



# **ACOS 6.0.8**

## **Event Logging Guide**

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# Introduction

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The Event Logging Mechanism is a flexible and extensible mechanism for logging events that occur in the ACOS system.

ACOS sends event logs over the ACOS event-based logging infrastructure. This provides a centralized logging infrastructure where applications generate and send logs through a common interface.

# Log Formats

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The Event logging infrastructure generates the following log formats:

- [Syslog](#)
- [Common Event Format \(CEF\)](#)
- [Log Event Extended Format \(LEEF\)](#)
- [Unique Log Identifier](#)

## Syslog

The Syslog format specifies a message format and a message transport mechanism. The message format consists of a small header followed by the log message body. The log message is unstructured (that is, unformatted) text.

### Header format

#### Example

```
2024-07-29T14:47:00.000 vThunder a10logd: [ACOS]<6>  
Server s1 is created
```

- *<facility|severity>* assists receiver to filter the message
- *2024-07-29T14:47:00.000* is the timestamp
- *vThunder* is the Thunder hostname
- *a10logd* is the name of the process
- *[ACOS]* is the name of the module
- *<6>* is the severity of the generated log with values from 0 to 7 with 0 being most critical
- Remaining text is the body of the message

## Common Event Format (CEF)

The CEF format is a class of structured log message specifications, which uses syslog as a transport. In syslog, the message is just plain text. However, CEF specifies the encoding of the commonly used fields in a key-value format. It also provides an extension mechanism for specifying additional fields.

### Header format

#### Example

```
Jul 17 15:52:03.620 vThunder CEF:0|A10|CGN|6.0.5-  
d|486715314709463043|Log DNS Request Header and  
Questions|2|proto=UDP src=15.15.15.10 spt=45749  
dst=15.15.15.99 dpt=53 cs1=Query cs1Label=Query cn1=9079  
cn1Label=Query ID cs2=Query cs2Label=Opcode cs3=RD|AD  
cs3Label=Header Flag cn2=1cn2Label=Question Count cn3=0  
cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record  
Count cn5=1 cn5Label=Additional Record Count  
dhost=www.a10.networks.com cs4=A cs 4Label=Query Type cs5=IN  
cs5Label=Query Class
```

- *Jul 17 15:52:03.620* is the timestamp
- *vThunder* is the Thunder hostname
- *CEF:0* is the CEF version string
- *A10* is the Device Vendor
- *CGN* is the Device Product
- *6.0.5-d* is the Device Version
- *486715314709463043* is the Log ID (Unique Log Identifier)
- *Log DNS Request Header and Questions* is the descriptive name of the log
- *2* is the CEF specific severity (importance)
- Other text is the extension portion of the message which is a placeholder for additional fields in the key-value pairs. Extensions are optional.

If an extension is unavailable, then the CEF log portion will be empty in the documentation and only the CEF header will be logged. CEF log can

have headers with the descriptive name or documentation providing the details of the event.

If an extension is available, the keys can be of three types:

- Predefined keywords (as supported by Arcsight CEF logger)
- Custom keys (cs\*, cn\*, c6a1\*, etc) with its respective Label
- Custom predefined keywords (a list of commonly used A10 specific custom keys, search for 'CEF: A10 specific custom pre-defined keywords' in event logs.

## Log Event Extended Format (LEEF)

The LEEF is a key-value structured format similar to CEF. It provides a consistent schema for event correlation and parsing across SIEM tools. LEEF logs are transported over Syslog and use a pipe (|) and tab-delimited (#011) syntax for field separation.

**Example** This configuration enables the LEEF format logging on ACOS and sends log to a remote syslog server using a collector group:

```
!
acos-events collector-group logging_1 udp
format leef
log-server syslog_server1 514
!
```

**Example** This example provides LEEF log output:

```
Jul 17 15:55:06.081 vThunder LEEF:1.0|A10|CGN|6.0.5-
d|486715314709463043 Log DNS Request Header and
Questions|sev=2#011proto=UDP#011src=15.15.15.10#0
11srcPort=41786#011dst=15.15.15.99#011dstPort=53#011Query=Quer
y#011Query_ID=56396#011Opcode=Query#011Header_
Flag=RD|AD#011Question_Count=1#011Answer_Record_
Count=0#011Authority_Record_Count=0#011Additional_Record_
Count=1#011dhost=www.a10.networks.com#011Query_
Type=A#011Query_Class=IN
```

- *Jul 17 15:55:06.081* — Timestamp
- *vThunder* — Hostname of the device generating the log
- *LEEF:1.0* — LEEF version identifier
- *A10* — Device Vendor
- *CGN* — Device Product
- *6.0.5-d* — Device Version
- *486715314709463043* — Unique Log Identifier
- *Log DNS Request Header and Questions* — Event descriptive name
- *sev=2* — Event severity
- The remaining key-value pairs (e.g., *proto=UDP, src=15.15.15.10, Query\_Type=A*) represent protocol, address, query, and record details.

## Unique Log Identifier

A unique log identifier (64 bit ID) can be used to identify each log in each release. By default, syslog format do not display Log ID. To enable the unique log identifier in syslog format, use the below command in the configuration:

```
acos-events log-properties add-msgid-in-header
```

The following changes takes place in the syslog message:

Unique message ID is added in the syslog header:

### Before:

```
Aug 28 10:05:38 vThunder a10logd: [ACOS]<6> Server s1 is created
```

### After:

```
Aug 28 10:05:38 vThunder a10logd: [ACOS]<6> 486758195662946306 Server s1  
is created
```

**Device Event Class ID** in CEF changes from **custom signature string + unique message ID** to **unique message ID**

### Before:



```
vThunder CEF:0|A10|CFW|4.1.4-GR1-P2|SLB 486758195662946308|SLB Server
exceeded Conn Limit or Conn Rate Limit|4|cs1=server cs1Label=Server Name
cs2=Too many connections cs2Label=Reason cn1=293 cn1Label=Limit
```

**After:**

```
vThunder CEF:0|A10|CFW|4.1.4-GR1-P2|486758195662946308|SLB Server exceeded
Conn Limit or Conn Rate Limit|4|cs1=server cs1Label=Server Name cs2=Too
many connections cs2Label=Reason cn1=293 cn1Label=Limit
```

Below is a comprehensive list of all the different fields in the documentation:

| Logname        | LogID              | Description                | Severity | ObjectLineage |
|----------------|--------------------|----------------------------|----------|---------------|
| config_failure | 243194379878006795 | Failed to add a class list | Warning  | class-list    |

**Logname:** The name of the log. This is not part of the log but used in the configuration if that level of granularity is needed.

**LogID:** The unique log Identifier to identify each log in each release.

**Description:** The description of the event (this is added in the descriptive-name field of the CEF)

**Severity:** The default severity of the event. The other severity values are emergency, alert, critical, error, warning, notification, information and debugging. This can be changed using `acos-events message-id` configuration in shared partition.

**ObjectLineage:** The internal hierarchy of the event. Object Lineage + Log Name can be used to uniquely identify an event across releases. This can be used in the message-selector configuration to enable or disable a log. For more information, see `acos-events message-selector`.

Click on the Logname to view more details about a particular event. For more details, see below example.

**Example** This configuration enables all the logs except class-list.config\_failure log

```
acos-events message-selector sell
rule 1
drop
message-id class-list.config_failure log-field-only
rule 2
message-id cmroot all
```

!

**Example** This configuration disables all the logs, except the logs under the class-list object

```
acos-events message-selector sell
rule 1
  message-id class-list all
rule 2
  drop
  message-id cmroot all
!
```

Table 1 : Event Logging

Table 17: Event Logging

|                |                                                                                                            |                                                    |                                  |            |
|----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|------------|
| Config_failure | 243194379878006795                                                                                         | Failed to add a class list                         | Warning                          | Class-list |
| CEF            |                                                                                                            |                                                    |                                  |            |
| Format         | cs1=\$name:%s: cs1Label=List Name cs2=\$config_type:%s: cs2Label=Config Type cs3=\$str:%s: cs3Label=String |                                                    |                                  |            |
| Example        | cs1=clist_name cs1Label=List Name cs2=string cs2Label=Config Type cs3=a10networks cs3Label=String          |                                                    |                                  |            |
| Syslog         |                                                                                                            |                                                    |                                  |            |
| Format         | Classlist \$name:%s:: Fail to config \$config_type:%s: \$str:%s:.                                          |                                                    |                                  |            |
| Example        | Classlist clist_name: Fail to config string a10networks.                                                   |                                                    |                                  |            |
| Variable       | Type                                                                                                       | Value                                              | Description                      |            |
| Name           | String                                                                                                     | {class_<br>list_name}                              | Class-list name                  |            |
| config_type    | String                                                                                                     | string<br>domain                                   | Type                             |            |
| str            | String                                                                                                     | {class_<br>list_<br>string_or_<br>domain_<br>name} | Class list string or domain name |            |

**CEF:** The CEF log of the event, if available.

**SYSLOG:** The syslog of the event, if available.

**Format:** The log format with the placeholders for run-time values. For example,  
`$name:%s`.

Here the *name* is the variable name and '`%s`' is for data type.

The data-types are: `s` - String, `u` - Unsigned Integer, `d` - Integer, `l` - Long, `x` - Hexadecimal Integer.

**Example:** The format string is expanded with variables substituted by an example value.

**Variable:** The variable name from each format consolidated in a single list.

**Type:** Data type of the variable. More types are provided to get better clarity about the variable.

IP V4 Address, IP V6 Address as unsigned, IP V6 Address, IP Address, String, Unsigned Integer, Integer, Long, Hexadecimal Integer, MAC Address.

**Value:** It could be one of the following:

- Range  
Example: 1-127
- Multi-line possible values that variable can take  
Example: string domain
- A name describing a run-time or user-defined value  
Example `{server_name}`

**Description:** The description of the variable.

# ACOS Events

---

The `acos-events` command is used to configure event-based logging in ACOS, including message-selector, log-server, collector-groups, templates, and active-template settings.

This command provides flexible and granular control over how event logs are generated, filtered, formatted, and delivered, either locally on the device or to external (remote) log servers.

## Module-Specific Logging Behavior

Some ACOS modules override the default event logging infrastructure with their own logging infrastructure:

- CGNv6

CGNv6 logs are generated by the CGN logging subsystem, not by the general event logging framework. For more information, refer to the **CGN Logging Guide** for configuration and output format details.

- AAM (Authentication, Authorization, and Management)

If AAM or authentication logs are configured to use CEF format, `acos-events` must be configured to enable proper log transmission.

- Explicit Proxy

The following table shows the different use cases for Explicit Proxy (EP) logging and their expected outcomes.

The log results are based on all the configurations described in the **Configuration Use Case** column being in effect at the same time.

| Type   | Configuration Use Case                                                                              | Log Results                                                     |
|--------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| EP Log | <ul style="list-style-type: none"><li>◦ Have an active <code>acos-events</code> template.</li></ul> | EP logs are sent to the external syslog server using the format |

| Type | Configuration Use Case                                                                                               | Log Results                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|      | <ul style="list-style-type: none"> <li>Use an ACOS-EVENT-LOG in your policy.</li> <li>Use a logging host.</li> </ul> | (Syslog, CEF, or LEEF) specified in the <code>acos-events</code> configuration. |

It is recommended that you use the first configuration scenario in the table above.

## Local vs External (Remote) Logging

ACOS supports both local logging and external (remote) logging mechanisms to provide flexibility in how events and system activities are recorded.

| Parameter             | Local Logging                                                                               | External (Remote) Logging                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Storage Location      | Logs are stored on the ACOS device's internal disk.                                         | Logs are sent to remote syslog servers configured under <code>log-server</code> or <code>collector-group</code> . |
| Configuration Command | <code>acos-events local-logging</code>                                                      | <code>acos-events log-server</code> and <code>acos-events collector-group</code>                                  |
| Use Case              | Useful for troubleshooting, short-term diagnostics, or when remote servers are unavailable. | Recommended for centralized log collection, analytics, compliance, and long-term retention.                       |
| Log Format Support    | Syslog text format only.                                                                    | Supports Syslog, CEF, or LEEF formats based on <code>collector-group</code> configuration.                        |
| Performance Impact    | Consumes local disk space and I/O resources; suitable for limited volume.                   | Offloads log storage and analysis to external systems; scalable for large deployments.                            |
| Retention             | Limited by disk quota set via <code>max-disk-space</code> .                                 | Retention depends on external server policy.                                                                      |
| Reliability           | Logs remain available even if network connectivity to external collectors fails.            | Logs may be lost if network connectivity is interrupted (unless redundancy is configured).                        |

| Parameter       | Local Logging                                                                      | External (Remote) Logging                                                          |
|-----------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Recommended Use | For on-device log verification or as a backup when remote servers are unreachable. | For production environments requiring centralized monitoring and SIEM integration. |

When both local and remote logging are enabled:

- Logs are written locally and simultaneously forwarded to external syslog collectors.
- Each collector group may use a different format (Syslog, CEF, or LEEF).
- Disk rotation and retention are automatically managed for local logs by the ACOS logging subsystem.

For more information on the `acos-events` command, refer *Command Line Interface Reference*.

## Configuration Example

The following example shows a complete ACOS event logging setup, including message selectors, remote log servers, collector groups, templates, active template assignment, and local logging:

```
ACOS(config)#sh running-config acos-events
! Message Selectors
acos-events message-selector S1
    rule 1
    message-id cmroot all
    !
acos-events message-selector S2
    rule 1
    message-id slb.template.policy.forward-policy all
    !
acos-events message-selector S3
    rule 1
    message-id slb.template.policy.forward-policy all
    deny
    rule 2
```

```
    message-id cmroot all
    !
! Remote Log Servers
acos-events log-server server1 172.16.1.190
    health-check-disable
    port 514 udp
    health-check-disable
    !
acos-events log-server2 172.16.1.191
    health-check-disable
    port 514 udp
    health-check-disable
    !
! Collector Groups
acos-events collector-group cg1 udp
    log-server server1 514
    !
acos-events collector-group cg2 udp
    format cef
    log-server server1 514
    !
! Templates
acos-events template T1
    message-selector S1
    collector-group cg1
    collector-group cg2
    !
acos-events template T2
    message-selector S2
    collector-group cg1
    message-selector S3
    collector-group cg2
    !
! Active Template
acos-events active-template T2
    !
! Local Logging
acos-events local-logging enable
```

```
acos-events local-logging rate-limit 2000
acos-events local-logging max-disk-space 500
!
```

In the configuration example, there are three message-selectors, two templates, and two collector groups:

| Parameter         |                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| message-selector  | message-selectors S1 | All logs are enabled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                   | message-selectors S2 | All logs under <code>slb.template.policy.forward-policy</code> object is enabled. The remaining logs are disabled.                                                                                                                                                                                                                                                                                                                                                                                                        |
|                   | message-selectors S3 | All logs are enabled except the logs under <code>slb.template.policy.forward-policy</code> object.<br>The following rules apply: <ul style="list-style-type: none"> <li>• Rule 1: This rule is applied first and disables the logs under the <code>slb.template.policy.forward-policy</code> object.</li> <li>• Rule 2: This rule is applied after rule 1 and it enables all logs except the <code>slb.template.policy.forward-policy</code> object. Only the first rule that matches a message ID is applied.</li> </ul> |
| remote log server | server1, server2     | Two servers are configured to receive logs over UDP on port 514.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| template          | template T1          | All logs are enabled for S1. They are sent in Syslog format to the log-server in <code>cg1</code> and in CEF format to the log-server in <code>cg2</code> .                                                                                                                                                                                                                                                                                                                                                               |
|                   | template T2          | All forward-policy logs for S2 are sent in Syslog format to <code>cg1</code> and all other logs, which are for S3, are sent in CEF format to <code>cg2</code> .                                                                                                                                                                                                                                                                                                                                                           |
| collector group   | cg1                  | Sends logs in Syslog format to the assigned log server.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



| Parameter       |     | Description                                                                            |
|-----------------|-----|----------------------------------------------------------------------------------------|
|                 | cg2 | Sends logs in CEF format to the assigned log server.                                   |
| active-template | T2  | Applied as the global active template, controlling the routing and formatting of logs. |
| local-logging   |     | Enabled to store logs on-device with rate limit and maximum disk space.                |

## Log Replication

If the selector groups within a collector group enable the same log, log replication is automatically supported when collector groups are binded under a template. For example, if you want the same log to be sent to eight different log-servers (the maximum supported) in syslog format, the configuration should be as follows:

```
acos-events collector-group cg1 udp
    log-server server1 514
acos-events collector-group cg2 udp
    log-server server2 514
acos-events collector-group cg3 udp
    log-server server3 514
acos-events collector-group cg4 udp
    log-server server4 514
acos-events collector-group cg5 udp
    log-server server5 514
acos-events collector-group cg6 udp
    log-server server6 514
acos-events collector-group cg7 udp
    log-server server7 514
acos-events collector-group cg8 udp
    log-server server8 514

acos-events template T1
    message-selector S1
        collector-group cg1
        collector-group cg2
        collector-group cg3
        collector-group cg4
```

```
collector-group cg5  
collector-group cg6  
collector-group cg7  
collector-group cg8
```

These collector groups can be of the same format or different formats. The log will be sent to one log-server in each collector group. The selection of log server is done in round-robin based method. However, if there is only one log-server in each collector group, it will be sent to that log-server every time.

## Event Logging with the Active Template

When the `acos-events active-template` command is configured through the Command Line Interface (CLI) and the log is generated using the `acos-events` API:

1. ACOS uses the configuration from the active-template instead of “logging-host” configuration.
2. The logs are transmitted to the local log, configured syslog server(s) in the format (Syslog or CEF) specified under “format” of the associated “collector-group(s)”.

Logs transmitted to the configured syslog server(s):

- **Data Plane Logging:** If the logs are generated from the data CPU of the load balancer process, they are transmitted through the data CPU only. If TCP is configured, then activating the `acos-events` template will create sessions equal to the number of data CPU which will be used to send logs. All the packet driven logs are in this category.
- **Control Plane Logging:** If the logs are generated from the control CPU of the load balancer process or from other process(es), they are transmitted through the control CPU. All the system or configuration related logs comes under this category.

## Event Logging without the Active Template

When the `acos-events active-template` command is not configured and the log is generated using the `acos-events` API:

1. ACOS uses the configuration from the “logging host” configuration, rather than the acos-events active template configuration. In this case, all the logs will be sent through control CPU.
2. The logs are transmitted to the local log and to the configured syslog server(s) in one of the predefined log formats in the following order: Syslog or CEF.

Logs transmitted to the configured syslog server(s):

- **Control Plane Logging:** The logs are transmitted through the control CPU.

**CEF: A10 specific custom pre-defined keywords:**

| Key Name               | Full Name                                                | Data Type | Length | Meaning                                 | Example                              |
|------------------------|----------------------------------------------------------|-----------|--------|-----------------------------------------|--------------------------------------|
| CUSTOM1                | Custom Attribute Value                                   | string    | 32     | NAS IP Address                          | 11.14.10.15                          |
| CUSTOM2                | Custom Attribute Value                                   | string    | 32     | Location                                | LocationA                            |
| CUSTOM3                | Custom Attribute Value                                   | string    | 32     | User name                               | UserA                                |
| ChargingGatewayAddress | Charging Gateway Address                                 | string    | 15     | Charging Gateway Address                | 7.7.7.7                              |
| GGSNaddress            | Gateway GPRS Support Node address                        | string    | 15     | Gateway GPRS Support Node address       | 9.9.9.9                              |
| IMEI                   | International Mobile Equipment Identitiy                 | String    | 16     | Unique ID for the device                | 999900000000010                      |
| IMSI                   | International Mobile Subscriber Identitiy                | String    | 16     | Unique ID for the user                  | 999900000000010                      |
| Ifname                 | Interface name                                           | string    |        | Interface name                          | ethernet 1                           |
| Ifv4                   | Interface IPv4 address                                   | string    |        | Interface IPv4 address                  | 10.10.10.10                          |
| MSISDN                 | Mobile Station International Subscriber Directory Number | String    | 15     | Mobile Phone number of the subscriber   | 40700000001                          |
| Q                      | requestNumber                                            | Number    | 64     | HTTP request number                     | 120                                  |
| RATtype                | Radio Access Technology                                  | String    | 10     | Subscriber Radio Access Technology type | EUTRAN                               |
| SGSNaddress            | Serving GPRS Support Node address                        | string    | 15     | Serving GPRS Support Node address       | 8.8.8.8                              |
| UserLocation           | User Location                                            | string    | 256    | User Location                           | attribute custom2 Location number 32 |
| category               | webAppCategory                                           | string    | 1023   | Web or Application Category Name        | Social Networks                      |
| certName               | Certificate Name                                         | string    | 1023   | Certificate Name                        | cmp_cert                             |
| classList              | Class List                                               | string    |        | Class list name                         | Class list A                         |
| current                | current value                                            | Number    |        | Current value in the context of the     | 1000                                 |

| message         |                          |        |      |                                                                                           |                                         |
|-----------------|--------------------------|--------|------|-------------------------------------------------------------------------------------------|-----------------------------------------|
| custom1Name     | Custom Attribute Name    | string | 16   | Custom Attribute Name                                                                     | User name or location or NAS IP address |
| custom2Name     | Custom Attribute Name    | string | 16   | Custom Attribute Name                                                                     | User name or location or NAS IP address |
| custom3Name     | Custom Attribute Name    | string | 16   | Custom Attribute Name                                                                     | User name or location or NAS IP address |
| devId           | Device id                | Number |      | Vrrp-a device id                                                                          | 8                                       |
| eventId         | Thread Id                | Number |      | Thread Id                                                                                 | 1                                       |
| funcName        | Function Name            | string | 1023 | Function Name                                                                             | lb_cmp_register_trigger_cb              |
| keytype         | Type of key              | String | 30   | Type of key in the context of the message                                                 | Service                                 |
| mcc             | Mobile Country Code      | String | 3    | Serving Node geographical code                                                            | 226                                     |
| mnc             | Mobile Network Code      | String | 3    | Serving Node telecom network code                                                         | 10                                      |
| module          | Module Name              | string | 31   | Module name of the message                                                                | VPN                                     |
| natPoolName     | NAT Pool Name            | string | 128  | NAT Pool Name                                                                             | poolA                                   |
| partId          | Partition id             | Number |      | Partition id of the partition                                                             | 127                                     |
| partName        | Partition name           | String | 14   | Name of the partition                                                                     | Shared                                  |
| pdnType         | Packet Data Network Type | String | 10   | Type of the network packet is going through                                               | IPv4                                    |
| rateLimit       | Rate Limit               | Number |      | Rate limit number in the context of the message.                                          | 1000                                    |
| threatAddressV4 | Threat IPv4              | string | 15   | Threat IPv4 address                                                                       | 5.5.5.5                                 |
| threatAddressV6 | Threat IPv6              | string |      | Threat IPv6 address                                                                       | 2001:abcd::7                            |
| threshold       | threshold value          | Number |      | Threshold value in the context of the message which current value crossed or didnt cross. | 500                                     |
| vrid            | Vrid value               | Number |      | Vrrp-a vrid value                                                                         | 31                                      |

## List of all the syslogs generated by the Event logging infrastructure:

| Logname                                             | LogId              | Destination           | Description                                       | Severity     | ObjectLineage          |
|-----------------------------------------------------|--------------------|-----------------------|---------------------------------------------------|--------------|------------------------|
| <a href="#">aaa-rule-hit</a>                        | 463890003072647177 | Remote only           | AAA-rule is hit                                   | notification | aam.authentication.log |
| <a href="#">auth-bypass</a>                         | 463890003072647182 | Remote only           | Authentication is bypassed                        | notification | aam.authentication.log |
| <a href="#">auth-context-get-fail</a>               | 463890003072647186 | Remote only           | Fail to get auth context                          | warning      | aam.authentication.log |
| <a href="#">auth-cookie-domain-error</a>            | 463890003072647193 | Remote only           | Cookie domain is configured incorrect in template | error        | aam.authentication.log |
| <a href="#">auth-failure-bypass</a>                 | 463890003072647183 | Remote only           | Authentication failure bypass is triggered        | notification | aam.authentication.log |
| <a href="#">auth-huge-ntlm-msg-rec</a>              | 463890003072647189 | Remote only           | Receive unexpected huge NTLM msg                  | warning      | aam.authentication.log |
| <a href="#">auth-password-set-fail</a>              | 463890003072647188 | Remote only           | Fail to set auth password                         | warning      | aam.authentication.log |
| <a href="#">auth-request</a>                        | 463890003072647172 | Remote only           | Send authentication request to auth-server        | notification | aam.authentication.log |
| <a href="#">auth-response</a>                       | 463890003072647173 | Remote only           | Receive authentication result from auth-server    | notification | aam.authentication.log |
| <a href="#">auth-session-table-data-parse-error</a> | 463890003072647191 | Remote only           | Fail to parse auth data in session table          | warning      | aam.authentication.log |
| <a href="#">auth-session-table-key-parse-error</a>  | 463890003072647190 | Remote only           | Fail to parse auth key in session table           | warning      | aam.authentication.log |
| <a href="#">auth-start-error</a>                    | 463890003072647185 | Remote only           | Fail to start authentication                      | warning      | aam.authentication.log |
| <a href="#">auth-template-get-fail</a>              | 463890003072647184 | Both Local and Remote | Fail to get auth template                         | warning      | aam.authentication.log |
| <a href="#">auth-username-set-fail</a>              | 463890003072647187 | Remote only           | Fail to set auth username                         | warning      | aam.authentication.log |
| <a href="#">auth-vport-get-fail</a>                 | 463890003072647192 | Remote only           | Fail to get vport value                           | warning      | aam.authentication.log |
| <a href="#">mssql-auth-result</a>                   | 463890003072647176 | Remote only           | Receive MSSQL authentication result               | notification | aam.authentication.log |

|                                     |                    |                       |                                                         |              |                                            |
|-------------------------------------|--------------------|-----------------------|---------------------------------------------------------|--------------|--------------------------------------------|
| <a href="#">retry-lock</a>          | 463890003072647178 | Remote only           | The times of authentication fail reach the limit        | notification | aam.authentication.log                     |
| <a href="#">retry-unlock</a>        | 463890003072647179 | Remote only           | The duration of retry lock passed                       | notification | aam.authentication.log                     |
| <a href="#">saml-auth-request</a>   | 463890003072647174 | Remote only           | Send SAML authentication request to IDP                 | notification | aam.authentication.log                     |
| <a href="#">saml-auth-response</a>  | 463890003072647175 | Remote only           | Receive SAML authentication result from SAML service    | notification | aam.authentication.log                     |
| <a href="#">session-create</a>      | 463890003072647169 | Remote only           | Auth session is created                                 | notification | aam.authentication.log                     |
| <a href="#">session-replace</a>     | 463890003072647171 | Remote only           | Auth session is replaced                                | notification | aam.authentication.log                     |
| <a href="#">session-terminate</a>   | 463890003072647170 | Remote only           | Auth session is terminated                              | notification | aam.authentication.log                     |
| <a href="#">account_realm</a>       | 463891111308427265 | Both Local and Remote | Account and realm for kerberos relay are not configured | warning      | aam.authentication.relay.kerberos.instance |
| <a href="#">rule-no-clause-msg</a>  | 67553994410557442  | Both Local and Remote | ACL with no clause and remarks is requested             | information  | access-list                                |
| <a href="#">rule_denied</a>         | 67553994410557441  | Both Local and Remote | ACL rules denied more connections than set limit        | warning      | access-list                                |
| <a href="#">reset-admin-pass</a>    | 85568392920039433  | Both Local and Remote | Reset admin password to default successfully            | information  | admin                                      |
| <a href="#">reset-enable-pass</a>   | 85568392920039432  | Both Local and Remote | Reset enable password to default successfully           | information  | admin                                      |
| <a href="#">reset-pass</a>          | 85568392920039435  | Both Local and Remote | Reset password to default successfully                  | information  | admin                                      |
| <a href="#">sess-timeout</a>        | 85568392920039437  | Both Local and Remote | Session timed out                                       | information  | admin                                      |
| <a href="#">sess-timeout-detail</a> | 85568392920039438  | Both Local and Remote | Session timed out                                       | information  | admin                                      |
| <a href="#">session-mgmt</a>        | 85568392920039426  | Both Local and Remote | Get user error                                          | error        | admin                                      |

|                                |                    |                       |                                                 |             |                  |
|--------------------------------|--------------------|-----------------------|-------------------------------------------------|-------------|------------------|
| <a href="#">update-pass</a>    | 85568392920039436  | Both Local and Remote | change password successfully                    | information | admin            |
| <a href="#">zero-key-cert</a>  | 85568392920039431  | Both Local and Remote | Zeroization of keys and certificates successful | information | admin            |
| <a href="#">zero-pass</a>      | 85568392920039434  | Both Local and Remote | Zeroization of passwords successful             | information | admin            |
| <a href="#">invalid-user</a>   | 94575592174780419  | Both Local and Remote | User is not a valid admin user                  | error       | admin-session    |
| <a href="#">mem-access-err</a> | 94575592174780420  | Both Local and Remote | Cannot access shared memory                     | error       | admin-session    |
| <a href="#">part-name-err</a>  | 94575592174780417  | Both Local and Remote | Error partition name                            | error       | admin-session    |
| <a href="#">role-err</a>       | 94575592174780418  | Both Local and Remote | Get role failed                                 | error       | admin-session    |
| <a href="#">sess-list-fail</a> | 94575592174780422  | Both Local and Remote | Get admin session list failed.                  | error       | admin-session    |
| <a href="#">type-fail</a>      | 94575592174780421  | Both Local and Remote | Get authen type failed.                         | error       | admin-session    |
| <a href="#">log</a>            | 85585985106083841  | Both Local and Remote | log ssh-pubkey operations                       | information | admin.ssh-pubkey |
| <a href="#">api-fail</a>       | 103582791429521413 | Both Local and Remote | audit_mmap_init failed                          | error       | audit            |
| <a href="#">file-len-err</a>   | 103582791429521412 | Both Local and Remote | file length error                               | error       | audit            |
| <a href="#">format-err</a>     | 103582791429521414 | Both Local and Remote | unknown file format                             | error       | audit            |
| <a href="#">lseek-fail</a>     | 103582791429521411 | Both Local and Remote | lseek failed.                                   | error       | audit            |
| <a href="#">mmap-fail</a>      | 103582791429521410 | Both Local and Remote | mmap failed.                                    | error       | audit            |
| <a href="#">open-fail</a>      | 103582791429521409 | Both Local and Remote | open file failed                                | error       | audit            |
| <a href="#">failed</a>         | 108086391056891911 | Both Local and Remote | authenticationfailed.                           | information | authorization    |



|                                                |                    | Remote                |                                                           |             |                       |
|------------------------------------------------|--------------------|-----------------------|-----------------------------------------------------------|-------------|-----------------------|
| <a href="#">succeed</a>                        | 108086391056891910 | Both Local and Remote | authentication successful.                                | information | authorization         |
| <a href="#">tacplus-auth</a>                   | 108086391056891907 | Both Local and Remote | tacplus authorization failed.                             | information | authorization         |
| <a href="#">tacplus-auth-part</a>              | 108086391056891909 | Both Local and Remote | authentication failed: assigned partition(s) nonexistent. | information | authorization         |
| <a href="#">tacplus-auth-s-part</a>            | 108086391056891908 | Both Local and Remote | authentication failed in service partition                | information | authorization         |
| <a href="#">tacplus-init</a>                   | 108086391056891905 | Both Local and Remote | tacplus initial failed.                                   | information | authorization         |
| <a href="#">tacplus-server</a>                 | 108086391056891906 | Both Local and Remote | Contact with tacplus server failed.                       | information | authorization         |
| <a href="#">fail-status</a>                    | 270215977642229761 | Both Local and Remote | deleting log file failed                                  | error       | backup                |
| <a href="#">fail-status</a>                    | 274719577269600257 | Both Local and Remote | get backup periodically password failed                   | error       | backup-periodic       |
| <a href="#">exec-banner-init</a>               | 112589990684262402 | Both Local and Remote | AACOS EXEC banner is set/removed.                         | information | banner                |
| <a href="#">login-banner-init</a>              | 112589990684262401 | Both Local and Remote | AACOS Login banner is set/removed.                        | information | banner                |
| <a href="#">ipd-bgp-ip-added</a>               | 518001918077829134 | Both Local and Remote | DDoS protection added IP on BGP advertisement             | warning     | cgnv6.ddos-protection |
| <a href="#">ipd-bgp-ip-removed</a>             | 518001918077829135 | Both Local and Remote | DDoS protection removed IP on BGP advertisement           | warning     | cgnv6.ddos-protection |
| <a href="#">ipd-dest-ip-rate-lim-drop</a>      | 518001918077829133 | Both Local and Remote | DDoS protection rate-limited drop for dest address        | warning     | cgnv6.ddos-protection |
| <a href="#">ipd-ip-l4-entry-added</a>          | 518001918077829122 | Both Local and Remote | DDoS protection added L4 entry - IPv4                     | warning     | cgnv6.ddos-protection |
| <a href="#">ipd-ip-l4-entry-added-rate-lim</a> | 518001918077829124 | Both Local and Remote | DDoS protection added rate limit L4 entry -               | warning     | cgnv6.ddos-protection |

|                                                    |                    | Remote                | IPv4                                                        |              |                            |
|----------------------------------------------------|--------------------|-----------------------|-------------------------------------------------------------|--------------|----------------------------|
| <a href="#">ipd-ip-l4-entry-removed</a>            | 518001918077829123 | Both Local and Remote | DDoS protection removed L4 entry - IPv4                     | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-ip-l4-entry-removed-rate-lim</a>   | 518001918077829125 | Both Local and Remote | DDoS protection removed L4 entry - IPv4                     | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-ipv6-l4-entry-added</a>            | 518001918077829126 | Both Local and Remote | DDoS protection added L4 entry - IPv6                       | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-ipv6-l4-entry-added-rate-lim</a>   | 518001918077829128 | Both Local and Remote | DDoS protection added rate limit L4 entry - IPv6            | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-ipv6-l4-entry-removed</a>          | 518001918077829127 | Both Local and Remote | DDoS protection removed L4 entry - IPv6                     | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-ipv6-l4-entry-removed-rate-lim</a> | 518001918077829129 | Both Local and Remote | DDoS protection removed rate limit L4 entry - IPv6          | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-l3-entry-added</a>                 | 518001918077829130 | Both Local and Remote | DDoS protection added L3 entry - IPv4                       | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-l3-entry-removed</a>               | 518001918077829131 | Both Local and Remote | DDoS protection removed L3 entry - IPv4                     | warning      | cgnv6.ddos-protection      |
| <a href="#">ipd-src-ip-rate-lim-drop</a>           | 518001918077829132 | Both Local and Remote | DDoS protection rate-limited drop for source address        | warning      | cgnv6.ddos-protection      |
| <a href="#">syn-cookie</a>                         | 518001918077829121 | Both Local and Remote | CGNV6 DDoS SYN Cookie Enabled/Disabled Logs                 | notification | cgnv6.ddos-protection      |
| <a href="#">port-range-in-use</a>                  | 518039576351080449 | Both Local and Remote | Some NAT ports are in use in the port range                 | warning      | cgnv6.lsn.port-reservation |
| <a href="#">cgn-summary-log</a>                    | 517985150525505545 | Both Local and Remote | Summary Error log for NAT Port and Quota allocation failure | information  | cgnv6.template.logging     |
| <a href="#">http-request-host</a>                  | 517985150525505543 | Remote only           | HTTP Request received (Host Log)                            | information  | cgnv6.template.logging     |

|                                        |                    |                       |                                              |             |                        |
|----------------------------------------|--------------------|-----------------------|----------------------------------------------|-------------|------------------------|
| <a href="#">http-request-url</a>       | 517985150525505544 | Remote only           | HTTP Request received (URL Log)              | information | cgnv6.template.logging |
| <a href="#">port-batch-pool-create</a> | 517985150525505541 | Remote only           | NAT port allocated from a port batching pool | information | cgnv6.template.logging |
| <a href="#">port-batch-pool-delete</a> | 517985150525505542 | Remote only           | NAT port deleted from a port batching pool   | information | cgnv6.template.logging |
| <a href="#">port-mapping-create</a>    | 517985150525505537 | Remote only           | NAT Port has been allocated                  | information | cgnv6.template.logging |
| <a href="#">port-mapping-delete</a>    | 517985150525505538 | Remote only           | NAT Port has been removed                    | information | cgnv6.template.logging |
| <a href="#">session-created</a>        | 517985150525505539 | Remote only           | Data Session has been created                | information | cgnv6.template.logging |
| <a href="#">session-deleted</a>        | 517985150525505540 | Remote only           | Data Session has been deleted                | information | cgnv6.template.logging |
| <a href="#">blade-fail-status</a>      | 693554342615056385 | Both Local and Remote | System chasis reset                          | error       | chassis-infra          |
| <a href="#">blade-reboot</a>           | 693554342615056388 | Both Local and Remote | System chasis reboot                         | emergency   | chassis-infra          |
| <a href="#">clidbg-connect</a>         | 693554342615056390 | Both Local and Remote | MASTER/BLADE a10clidbg Connected             | information | chassis-infra          |
| <a href="#">clidbg-disconnect</a>      | 693554342615056391 | Both Local and Remote | MASTER/BLADE a10clidbg disconnected          | information | chassis-infra          |
| <a href="#">init</a>                   | 693554342615056394 | Both Local and Remote | Blade/Master init done.                      | information | chassis-infra          |
| <a href="#">restore-succ</a>           | 693554342615056393 | Both Local and Remote | Restore on Blade succeeded.                  | information | chassis-infra          |
| <a href="#">scm-init</a>               | 693554342615056396 | Both Local and Remote | Blade/Master init done.                      | information | chassis-infra          |
| <a href="#">scmcfg-create-fail</a>     | 693554342615056397 | Both Local and Remote | thread create api failed                     | information | chassis-infra          |
| <a href="#">syscfg-create-fail</a>     | 693554342615056395 | Both Local and Remote | thread create api failed                     | warning     | chassis-infra          |

|                                    |                    |                       |                                                                        |             |                |
|------------------------------------|--------------------|-----------------------|------------------------------------------------------------------------|-------------|----------------|
| <a href="#">thread-create-fail</a> | 693554342615056392 | Both Local and Remote | The thread create api failed                                           | warning     | chassis-infra  |
| <a href="#">config_failure</a>     | 243194379878006795 | Both Local and Remote | Failed to add a class list                                             | warning     | class-list     |
| <a href="#">duplicate</a>          | 243194379878006787 | Both Local and Remote | List has a duplicate entry                                             | information | class-list     |
| <a href="#">exceed</a>             | 243194379878006788 | Both Local and Remote | Class list count has been exceeded                                     | information | class-list     |
| <a href="#">information</a>        | 243194379878006793 | Both Local and Remote | Class list has been loaded                                             | information | class-list     |
| <a href="#">invalid_char</a>       | 243194379878006790 | Both Local and Remote | black and white list has an invalid character in the line to be parsed | warning     | class-list     |
| <a href="#">invalid_format</a>     | 243194379878006789 | Both Local and Remote | Classlist or Blacklist/Whitelist has Invalid Format                    | warning     | class-list     |
| <a href="#">invalid_ip</a>         | 243194379878006796 | Both Local and Remote | List has an invalid ip entry                                           | warning     | class-list     |
| <a href="#">invalid_range</a>      | 243194379878006792 | Both Local and Remote | Invalid range for connection limit or id                               | warning     | class-list     |
| <a href="#">invalid_string</a>     | 243194379878006791 | Both Local and Remote | Black and white list has an invalid string for ip address              | warning     | class-list     |
| <a href="#">max_depth_exceed</a>   | 243194379878006785 | Both Local and Remote | Aho-Corasick depth exceeded depth                                      | warning     | class-list     |
| <a href="#">no_memory</a>          | 243194379878006786 | Both Local and Remote | The Black-white or class list has no memory                            | warning     | class-list     |
| <a href="#">warning</a>            | 243194379878006794 | Both Local and Remote | Class list warning for invalid configuration                           | warning     | class-list     |
| <a href="#">fail-status</a>        | 265729970200903681 | Both Local and Remote | configure sync failed                                                  | error       | configure.sync |
| <a href="#">info-status</a>        | 265729970200903682 | Both Local and Remote | configure sync not allowed for partition                               | information | configure.sync |
|                                    |                    | Both Local and Remote | copy configuration                                                     |             |                |

|                                                |                    |                       |                                           |             |                       |
|------------------------------------------------|--------------------|-----------------------|-------------------------------------------|-------------|-----------------------|
| <a href="#">file-status</a>                    | 378302368699121665 | Remote                | to/from remote server                     | information | copy                  |
| <a href="#">cea_reply</a>                      | 4538783999459337   | Both Local and Remote | CEA reply                                 | information | counter.port-diameter |
| <a href="#">conn_error</a>                     | 4538783999459329   | Both Local and Remote | Connection is closed with error           | debugging   | counter.port-diameter |
| <a href="#">conn_fin</a>                       | 4538783999459330   | Both Local and Remote | Connection is closed with fin             | debugging   | counter.port-diameter |
| <a href="#">dwa_reply</a>                      | 4538783999459334   | Both Local and Remote | Device watch dog reply                    | information | counter.port-diameter |
| <a href="#">dwa_timeout</a>                    | 4538783999459335   | Both Local and Remote | Device watch dog timeout                  | debugging   | counter.port-diameter |
| <a href="#">invalid_ayp</a>                    | 4538783999459340   | Both Local and Remote | Invalid attribute variable pair           | information | counter.port-diameter |
| <a href="#">no_client</a>                      | 4538783999459339   | Both Local and Remote | Cannot find client                        | information | counter.port-diameter |
| <a href="#">no_conn</a>                        | 4538783999459331   | Both Local and Remote | No connection available to start          | debugging   | counter.port-diameter |
| <a href="#">no_server</a>                      | 4538783999459338   | Both Local and Remote | Cannot find server                        | information | counter.port-diameter |
| <a href="#">start_conn</a>                     | 4538783999459332   | Both Local and Remote | A connection is started                   | debugging   | counter.port-diameter |
| <a href="#">thread_cea_reply</a>               | 4538783999459336   | Both Local and Remote | Per thread CEA reply                      | debugging   | counter.port-diameter |
| <a href="#">thread_dwa_reply</a>               | 4538783999459333   | Both Local and Remote | Per thread device watch dog reply         | debugging   | counter.port-diameter |
| <a href="#">request_header_log</a>             | 460985643107876865 | Remote only           | DNS logging for traffic                   | information | ddos.dns-logging      |
| <a href="#">request_header_log_v6</a>          | 460985643107876868 | Remote only           | DNS logging for traffic                   | information | ddos.dns-logging      |
| <a href="#">request_header_question_log</a>    | 460985643107876867 | Remote only           | Log DNS Request Header and Questions      | information | ddos.dns-logging      |
| <a href="#">request_header_question_log_v6</a> | 460985643107876870 | Remote only           | Log IPv6 DNS Request Header and Questions | information | ddos.dns-logging      |
| <a href="#">request_question_log</a>           | 460985643107876866 | Remote only           | Log DNS Request Question                  | information | ddos.dns-logging      |

|                                         |                    |                       |                                                            |             |                          |
|-----------------------------------------|--------------------|-----------------------|------------------------------------------------------------|-------------|--------------------------|
| <a href="#">request_question_log_v6</a> | 460985643107876869 | Remote only           | Log DNS Request Question                                   | information | ddos.dns-logging         |
| <a href="#">error</a>                   | 13528391068155906  | Both Local and Remote | Error on deleting partition                                | error       | delete.partition         |
| <a href="#">info</a>                    | 13528391068155905  | Both Local and Remote | Files erased successfully on partition deletion            | information | delete.partition         |
| <a href="#">deletion-info</a>           | 13880234789044225  | Both Local and Remote | Files erased successfully on partition deletion            | information | delete.service-partition |
| <a href="#">box-ready</a>               | 144115188075855880 | Both Local and Remote | Fail Safe set box ready for taking actions.                | information | fail-safe                |
| <a href="#">err-low-buffer</a>          | 144115188075855881 | Both Local and Remote | Fail Safe Software Error, I/O Buffer Low detected.         | warning     | fail-safe                |
| <a href="#">err-low-mem</a>             | 144115188075855882 | Both Local and Remote | Fail Safe Software Error, Session Memory Low detected.     | warning     | fail-safe                |
| <a href="#">ha-send-pkt-err</a>         | 144115188075855877 | Both Local and Remote | Fail Safe HA cannot send ADV packets.                      | warning     | fail-safe                |
| <a href="#">ha-standby</a>              | 144115188075855875 | Both Local and Remote | HA group change to Force Self Standby AUTO-Set/MANUAL-Set. | information | fail-safe                |
| <a href="#">ha-vrr-config</a>           | 144115188075855883 | Both Local and Remote | Fail Safe: y/NO HA/VRRP-A is configured.                   | information | fail-safe                |
| <a href="#">hw-mon</a>                  | 144115188075855886 | Both Local and Remote | Fail Safe HW Monitor Enabled/Disabled .                    | information | fail-safe                |
| <a href="#">init</a>                    | 144115188075855873 | Both Local and Remote | Fail Safe is initialized.                                  | information | fail-safe                |
| <a href="#">mem-reset</a>               | 144115188075855888 | Both Local and Remote | sess/sys mem threshold reset to default value.             | information | fail-safe                |
| <a href="#">mem-thresh</a>              | 144115188075855887 | Both Local and Remote | sess/sys/fpga mem threshold .                              | information | fail-safe                |

|                                            |                    |                       |                                                          |             |           |
|--------------------------------------------|--------------------|-----------------------|----------------------------------------------------------|-------------|-----------|
| <a href="#">recovery</a>                   | 144115188075855884 | Both Local and Remote | Fail Safe recovery notification to HA/VRRP-A/null.       | information | fail-safe |
| <a href="#">set-ha-standby</a>             | 144115188075855876 | Both Local and Remote | Fail Safe set/unset Force Self Standby for HA group .    | information | fail-safe |
| <a href="#">set-vrrp-standby</a>           | 144115188075855879 | Both Local and Remote | Fail Safe set/unset Force Self Standby for VRRP-A VRID . | information | fail-safe |
| <a href="#">sw-mon</a>                     | 144115188075855885 | Both Local and Remote | Fail Safe SW Monitor Enabled/Disabled fpga.              | information | fail-safe |
| <a href="#">timeout</a>                    | 144115188075855889 | Both Local and Remote | sw/hw error time out .                                   | warning     | fail-safe |
| <a href="#">timeout-reset</a>              | 144115188075855890 | Both Local and Remote | sw/hw error timeout reset to default value.              | warning     | fail-safe |
| <a href="#">vrrp-extra-msg</a>             | 144115188075855878 | Both Local and Remote | VRRP-A send extra message .                              | information | fail-safe |
| <a href="#">vrrp-standby</a>               | 144115188075855874 | Both Local and Remote | VRRP-A change to Force Self Standby AUTO-Set/MANUAL-Set. | information | fail-safe |
| <a href="#">debug-info</a>                 | 598978750440275970 | Both Local and Remote | file operation debug info                                | debugging   | file      |
| <a href="#">fail-status</a>                | 598978750440275969 | Both Local and Remote | file operation failed logs                               | information | file      |
| <a href="#">rename-status</a>              | 598978750440275971 | Both Local and Remote | file renamed operation                                   | error       | file      |
| <a href="#">service-export</a>             | 598978750440275973 | Both Local and Remote | file export info                                         | information | file      |
| <a href="#">service-import</a>             | 598978750440275972 | Both Local and Remote | System level file import info                            | information | file      |
| <a href="#">app-active-bundle-fail</a>     | 626000348204498971 | Both Local and Remote | Failed to activate application bundle                    | critical    | fw        |
| <a href="#">app-active-new-bundle-fail</a> | 626000348204498996 | Both Local and Remote | Failed to active new application bundle                  | warning     | fw        |

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| <a href="#">app-add-bundle-fail</a>         | 626000348204498972 | Both Local and Remote | Add application bundle failed                                            | critical    | fw |
| <a href="#">app-alloc-res-fail</a>          | 626000348204499009 | Both Local and Remote | Failed to allocate global resource for application classification module | information | fw |
| <a href="#">app-alloc-worker-fail</a>       | 626000348204498966 | Both Local and Remote | Allocate application worker failed                                       | critical    | fw |
| <a href="#">app-bundle-inuse</a>            | 626000348204498992 | Both Local and Remote | Application bundle is in used for traffic classification                 | warning     | fw |
| <a href="#">app-bundle-loaded</a>           | 626000348204499005 | Both Local and Remote | Application bundle is loaded                                             | information | fw |
| <a href="#">app-bundle-reload-fail</a>      | 626000348204499008 | Both Local and Remote | Failed to reload Application bundle                                      | information | fw |
| <a href="#">app-bundle-reloaded</a>         | 626000348204499007 | Both Local and Remote | Application bundle is reloaded                                           | information | fw |
| <a href="#">app-bundle-reloading</a>        | 626000348204499006 | Both Local and Remote | Reloading Application bundle                                             | information | fw |
| <a href="#">app-bundle-set-cb-fail</a>      | 626000348204498970 | Both Local and Remote | Set application bundle callback failed                                   | critical    | fw |
| <a href="#">app-category-fail</a>           | 626000348204498990 | Both Local and Remote | Enable/Disable application category failed                               | warning     | fw |
| <a href="#">app-category-no-app</a>         | 626000348204498985 | Both Local and Remote | Application category has no apps                                         | warning     | fw |
| <a href="#">app-category-not-consistent</a> | 626000348204498961 | Both Local and Remote | Application category info is not consistent                              | critical    | fw |
| <a href="#">app-config-success</a>          | 626000348204499002 | Both Local and Remote | Application configuration success                                        | information | fw |
| <a href="#">app-create-bundle-fail</a>      | 626000348204498968 | Both Local and Remote | Create application bundle failed                                         | critical    | fw |
| <a href="#">app-create-category-fail</a>    | 626000348204498963 | Both Local and Remote | Create application category failed                                       | critical    | fw |
| <a href="#">app-create-engine-fail</a>      | 626000348204498965 | Both Local and Remote | Create application engine failed                                         | critical    | fw |



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|-----------------------------------------------|--------------------|-----------------------|-------------------------------------------------|-------------|----|
| <a href="#">app-create-worker-fail</a>        | 626000348204498967 | Both Local and Remote | Create application worker failed                | critical    | fw |
| <a href="#">app-destroy-bundle-fail</a>       | 626000348204498986 | Both Local and Remote | Failed to destroy application bundle            | warning     | fw |
| <a href="#">app-enable-sig-fail</a>           | 626000348204498969 | Both Local and Remote | Enable application sig failed                   | critical    | fw |
| <a href="#">app-engine-basic-dpi-mode</a>     | 626000348204499004 | Both Local and Remote | Application engine is working in basic DPI mode | information | fw |
| <a href="#">app-engine-loaded</a>             | 626000348204499003 | Both Local and Remote | Application engine is loaded                    | information | fw |
| <a href="#">app-find-web-ext-tag-fail</a>     | 626000348204498983 | Both Local and Remote | Failed to find application web extension tag    | error       | fw |
| <a href="#">app-get-sig-fail</a>              | 626000348204498962 | Both Local and Remote | Get application sig failed                      | critical    | fw |
| <a href="#">app-get-tag-fail</a>              | 626000348204498984 | Both Local and Remote | Failed to get tags from application             | warning     | fw |
| <a href="#">app-id-exceed</a>                 | 626000348204498982 | Both Local and Remote | Application-ID exceeds upper limit              | error       | fw |
| <a href="#">app-mem-pool-type</a>             | 626000348204499010 | Both Local and Remote | Check application memory pool type              | information | fw |
| <a href="#">app-no-license</a>                | 626000348204498964 | Both Local and Remote | QOSMOS is not licensed                          | critical    | fw |
| <a href="#">app-path-too-long</a>             | 626000348204498991 | Both Local and Remote | Classification path is too long                 | warning     | fw |
| <a href="#">app-protocol-fail</a>             | 626000348204498989 | Both Local and Remote | Enable/Disable application protocol failed      | warning     | fw |
| <a href="#">app-reload-add-bundle-fail</a>    | 626000348204498997 | Both Local and Remote | Add application bundle failed                   | warning     | fw |
| <a href="#">app-reload-create-bundle-fail</a> | 626000348204498993 | Both Local and Remote | Create application bundle failed when reload    | warning     | fw |

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|-----------------------------------------------|--------------------|-----------------------|----------------------------------------------------|-------------|----|
| <a href="#">app-reload-enable-sig-fail</a>    | 626000348204498995 | Both Local and Remote | Enable application sig fail                        | warning     | fw |
| <a href="#">app-reload-engine-disabled</a>    | 626000348204498998 | Both Local and Remote | Application engine disabled during bundle reload   | warning     | fw |
| <a href="#">app-reload-get-sig-fail</a>       | 626000348204498988 | Both Local and Remote | Get application sig failed when reload             | warning     | fw |
| <a href="#">app-reload-set-bundle-cb-fail</a> | 626000348204498994 | Both Local and Remote | Set application bundle callback failed when reload | warning     | fw |
| <a href="#">app-stat-id-exceed</a>            | 626000348204498987 | Both Local and Remote | Application stat ID exceeds upper limit            | warning     | fw |
| <a href="#">app-tag-truncated</a>             | 626000348204498981 | Both Local and Remote | Application Tag name is truncated                  | critical    | fw |
| <a href="#">fw-byzone-fail</a>                | 626000348204498977 | Both Local and Remote | Prepare FW byzone data failed                      | critical    | fw |
| <a href="#">fw-compile-fail</a>               | 626000348204498959 | Both Local and Remote | Rule set compilation fail                          | critical    | fw |
| <a href="#">fw-compile-fail-time</a>          | 626000348204498958 | Both Local and Remote | Rule set compilation fail time                     | critical    | fw |
| <a href="#">fw-compile-oom</a>                | 626000348204498960 | Both Local and Remote | Rule set compilation fail due to out of memory     | critical    | fw |
| <a href="#">fw-compile-success</a>            | 626000348204499001 | Both Local and Remote | Rule Set complile success                          | information | fw |
| <a href="#">fw-create-rule-fail</a>           | 626000348204498973 | Both Local and Remote | Create FW rule failed                              | critical    | fw |
| <a href="#">fw-ip-helper-fail</a>             | 626000348204498976 | Both Local and Remote | Add rule for IP-helper failed                      | critical    | fw |
| <a href="#">fw-rule-by-uid-alloc-fail</a>     | 626000348204498980 | Both Local and Remote | Allocate memory for FW rule by uid table failed    | critical    | fw |
| <a href="#">fw-vcs-pkt-fail</a>               | 626000348204498975 | Both Local and Remote | Add rule for VCS packets failed                    | critical    | fw |
|                                               |                    | Both Local and Remote | Add rule for vrrp-a                                |             |    |

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|------------------------------------------|--------------------|-----------------------|--------------------------------------------|--------------|--------------------|
| <a href="#">fw-vrrp-rule-fail</a>        | 626000348204498974 | Remote                | session sync failed                        | critical     | fw                 |
| <a href="#">gtp-pcre2-compile-fail</a>   | 626000348204498979 | Both Local and Remote | GTP PCRE2 compilation failed               | critical     | fw                 |
| <a href="#">session-closed</a>           | 626000348204498955 | Remote only           | FW session is closed                       | information  | fw                 |
| <a href="#">session-denied</a>           | 626000348204498956 | Remote only           | FW session is denied                       | critical     | fw                 |
| <a href="#">session-opened</a>           | 626000348204498954 | Remote only           | FW session is opened                       | information  | fw                 |
| <a href="#">session-reset</a>            | 626000348204498957 | Remote only           | FW session is reset                        | critical     | fw                 |
| <a href="#">zone-alloc-fail</a>          | 626000348204498978 | Both Local and Remote | Allocate memory for zone failed            | critical     | fw                 |
| <a href="#">zone-create-exceed</a>       | 626000348204498999 | Both Local and Remote | Reached max zone limit                     | warning      | fw                 |
| <a href="#">zone-del-not-found</a>       | 626000348204499000 | Both Local and Remote | Delete failed because zone not found       | warning      | fw                 |
| <a href="#">fw-ip-l3-entry-added</a>     | 626545705971875841 | Both Local and Remote | FW DDoS protection added L3 entry - IPv4   | warning      | fw.ddos-protection |
| <a href="#">fw-ip-l3-entry-removed</a>   | 626545705971875842 | Both Local and Remote | FW DDoS protection removed L3 entry - IPv4 | warning      | fw.ddos-protection |
| <a href="#">fw-ipv6-l3-entry-added</a>   | 626545705971875843 | Both Local and Remote | FW DDoS protection added L3 entry - IPv6   | warning      | fw.ddos-protection |
| <a href="#">fw-ipv6-l3-entry-removed</a> | 626545705971875844 | Both Local and Remote | FW DDoS protection removed L3 entry - IPv6 | warning      | fw.ddos-protection |
| <a href="#">syn-cookie</a>               | 626335424373063681 | Both Local and Remote | Enable/Disable FW SYN Cookie Logs          | notification | fw.tcp.syn-cookie  |
| <a href="#">del</a>                      | 418834765345456130 | Both Local and Remote | Deleting GLM license                       | notification | glm                |
| <a href="#">disable</a>                  | 418834765345456131 | Both Local and Remote | disable GLM connect                        | notification | glm                |
| <a href="#">notif</a>                    | 418834765345456129 | Both Local and Remote | Setting GLM info                           | notification | glm                |
| <a href="#">msg_dns_error</a>            | 535981132215222277 | Both Local and Remote | GSLB parse fail                            | information  | gslb.dns           |

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|-----------------------------------------|--------------------|-----------------------|---------------------------------------------------|--------------|----------------------|
| <a href="#">msg_dns_error_v6</a>        | 535981132215222278 | Both Local and Remote | GSLB parse fail                                   | information  | gslb.dns             |
| <a href="#">msg_dns_query</a>           | 535981132215222273 | Both Local and Remote | GSLB receive a dns query                          | information  | gslb.dns             |
| <a href="#">msg_dns_query_v6</a>        | 535981132215222275 | Both Local and Remote | GSLB receive a ipv6 dns query                     | information  | gslb.dns             |
| <a href="#">msg_dns_response</a>        | 535981132215222274 | Both Local and Remote | GSLB receive a dns response                       | information  | gslb.dns             |
| <a href="#">msg_dns_response_v6</a>     | 535981132215222276 | Both Local and Remote | GSLB receive a ipv6 dns response                  | information  | gslb.dns             |
| <a href="#">msg_action</a>              | 535998724401266691 | Both Local and Remote | Action on GSLB object, either enabled or disabled | information  | gslb.service-ip      |
| <a href="#">msg_hc</a>                  | 535998724401266690 | Both Local and Remote | gslb health check info                            | information  | gslb.service-ip      |
| <a href="#">msg_noparam_info</a>        | 535998724401266689 | Both Local and Remote | gslb service-ip config limit exceeded             | information  | gslb.service-ip      |
| <a href="#">msg_state_change</a>        | 535998724401266692 | Both Local and Remote | GSLB object status is changed                     | information  | gslb.service-ip      |
| <a href="#">slb_device_state_change</a> | 535998724401266693 | Both Local and Remote | GSLB object status is changed                     | information  | gslb.service-ip      |
| <a href="#">msg_noparam_info</a>        | 535998999279173633 | Both Local and Remote | gslb service port exceed limit                    | information  | gslb.service-ip.port |
| <a href="#">slb_device_state_change</a> | 535998999279173634 | Both Local and Remote | GSLB object status is changed                     | information  | gslb.service-ip.port |
| <a href="#">msg</a>                     | 535963540029177857 | Both Local and Remote | GSLB initialization complete                      | information  | gslb.system          |
| <a href="#">msg_error</a>               | 535963540029177858 | Both Local and Remote | GSLB initialization failed at cache creation      | error        | gslb.system          |
| <a href="#">status</a>                  | 283726776524341249 | Both Local and Remote | hd monitor operation log                          | notification | hd-monitor           |
| <a href="#">service_member</a>          | 450395147109138433 | Both Local and Remote | service-group member operational status           | warning      | health.monitor       |

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| <a href="#">sub_compound_state</a>      | 450395512181358593 | Both Local and Remote | sub-compound status changed                                                             | information | health.monitor.method.compound |
| <a href="#">error</a>                   | 481885160128643074 | Both Local and Remote | System HSM error logs                                                                   | error       | hsm                            |
| <a href="#">info</a>                    | 481885160128643073 | Both Local and Remote | System HSM info logs                                                                    | information | hsm                            |
| <a href="#">export-info</a>             | 585467951558164481 | Both Local and Remote | Failed to move file                                                                     | information | import                         |
| <a href="#">fips-https</a>              | 585467951558164482 | Both Local and Remote | fips mode cannot use https                                                              | information | import                         |
| <a href="#">wget-authen-fail</a>        | 585467951558164488 | Both Local and Remote | wget username/password authentication failure                                           | error       | import                         |
| <a href="#">wget-file-error</a>         | 585467951558164485 | Both Local and Remote | wget file I/O error                                                                     | error       | import                         |
| <a href="#">wget-generic-error</a>      | 585467951558164483 | Both Local and Remote | wget generic error message                                                              | error       | import                         |
| <a href="#">wget-network-fail</a>       | 585467951558164486 | Both Local and Remote | wget network failure                                                                    | error       | import                         |
| <a href="#">wget-parse-error</a>        | 585467951558164484 | Both Local and Remote | wget parse error                                                                        | error       | import                         |
| <a href="#">wget-protocol-error</a>     | 585467951558164489 | Both Local and Remote | wget protocol error                                                                     | error       | import                         |
| <a href="#">wget-server-error</a>       | 585467951558164490 | Both Local and Remote | wget server return error                                                                | error       | import                         |
| <a href="#">wget-ssl-fail</a>           | 585467951558164487 | Both Local and Remote | wget SSL verification failure                                                           | error       | import                         |
| <a href="#">wget-unknown-error</a>      | 585467951558164491 | Both Local and Remote | wget return other error code                                                            | error       | import                         |
| <a href="#">copy-from-runnn-cfg-err</a> | 427841964600197123 | Both Local and Remote | Operational error logs for interface when copying from running-config to startup-config | error       | interface                      |
|                                         |                    | Both Local and Remote | Operational error logs for interface when                                               |             |                                |

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| <a href="#">copy-to-runn-cfg-err</a>     | 427841964600197124 | Remote                | copying from running-config to startup-config                                        | error        | interface          |
| <a href="#">runn-cfg-err-remove</a>      | 427841964600197125 | Both Local and Remote | Operational error logs to remove the interface from running-config                   | error        | interface          |
| <a href="#">runn-cfg-err-save</a>        | 427841964600197127 | Both Local and Remote | Operational error logs when saving backup interface flag                             | error        | interface          |
| <a href="#">shared-mem-error</a>         | 427841964600197121 | Both Local and Remote | Shared memory var su_g_penIfBackup cannot be accessible                              | error        | interface          |
| <a href="#">start-cfg-err-remove</a>     | 427841964600197126 | Both Local and Remote | Operational error logs when removing interface from startup-config                   | error        | interface          |
| <a href="#">state-error</a>              | 427841964600197122 | Both Local and Remote | Interface bring up/shutdown error logs                                               | error        | interface          |
| <a href="#">status-take-back</a>         | 427841964600197133 | Both Local and Remote | Interface takes back operation is success                                            | notification | interface          |
| <a href="#">status-take-over</a>         | 427841964600197132 | Both Local and Remote | Interface takes over operation is success                                            | notification | interface          |
| <a href="#">status-up-down</a>           | 427841964600197131 | Both Local and Remote | Interface status changed to up/down                                                  | notification | interface          |
| <a href="#">status-warn-ip-conflict</a>  | 427841964600197130 | Both Local and Remote | Interface warning logs when IP address conflicts with another machine on the network | warning      | interface          |
| <a href="#">status-warn-name</a>         | 427841964600197128 | Both Local and Remote | Operational logs when load interface name from a specific file.                      | warning      | interface          |
| <a href="#">status-warn-static-route</a> | 427841964600197129 | Both Local and Remote | Failed to add static route entries to the table.                                     | warning      | interface          |
| <a href="#">icmp_exceed</a>              | 427877148972285954 | Both Local and Remote | Ethernet Interface ICMP packet rate limit exceeded, drop all packets for lookup      | information  | interface.ethernet |

|                                      |                    |                       | period                                                                                   |             |                      |
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| <a href="#">icmpv6_exceed</a>        | 427877148972285955 | Both Local and Remote | Ethernet Interface ICMPV6 packet rate limit exceeded, drop all packets for lockup period | information | interface.ethernet   |
| <a href="#">port-state</a>           | 427877148972285953 | Both Local and Remote | Ethernet interface state change                                                          | information | interface.ethernet   |
| <a href="#">state</a>                | 427965109902508033 | Both Local and Remote | LIF interface state change                                                               | information | interface.lif        |
| <a href="#">port-state</a>           | 427947517716463617 | Both Local and Remote | Loopback interface state change                                                          | information | interface.loopback   |
| <a href="#">port-state</a>           | 427859556786241537 | Both Local and Remote | Management interface port status changes to up/down                                      | alert       | interface.management |
| <a href="#">second-port-state</a>    | 427859556786241538 | Both Local and Remote | Management2 interface port status changes to up/down                                     | alert       | interface.management |
| <a href="#">state</a>                | 427912333344374785 | Both Local and Remote | Trunk interface state change                                                             | information | interface.trunk      |
| <a href="#">intf-state</a>           | 427982702088552449 | Both Local and Remote | Tunnel interface state change                                                            | information | interface.tunnel     |
| <a href="#">icmp_exceed</a>          | 427929925530419202 | Both Local and Remote | Virtual Interface ICMP packet rate limit exceeded, drop all packets for lockup period    | information | interface.ve         |
| <a href="#">icmpv6_exceed</a>        | 427929925530419203 | Both Local and Remote | Virtual Interface ICMPV6 packet rate limit exceeded, drop all packets for lockup period  | information | interface.ve         |
| <a href="#">state</a>                | 427929925530419201 | Both Local and Remote | VE interface state change                                                                | information | interface.ve         |
| <a href="#">fragmentation-policy</a> | 247785940435599370 | Both Local and Remote | Anomaly drops for fragmentation policy match                                             | warning     | ip.anomaly-drop      |

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| <a href="#">general-attack-policy</a> | 247785940435599369 | Both Local and Remote | Anomaly drops for general attacks policy match | warning     | ip.anomaly-drop |
| <a href="#">ip-hdr-policy</a>         | 247785940435599366 | Both Local and Remote | Anomaly drops for IP header policy match       | warning     | ip.anomaly-drop |
| <a href="#">pbslb-policy</a>          | 247785940435599367 | Both Local and Remote | Anomaly drops for PBSLB policy match           | warning     | ip.anomaly-drop |
| <a href="#">tcp-attack-policy</a>     | 247785940435599361 | Both Local and Remote | Anomaly drops for tcp attcks policy match      | warning     | ip.anomaly-drop |
| <a href="#">tcp-hdr-policy</a>        | 247785940435599363 | Both Local and Remote | Anomaly drops for tcp syn policy match         | warning     | ip.anomaly-drop |
| <a href="#">tcp-syn-policy</a>        | 247785940435599362 | Both Local and Remote | Anomaly drops for tcp syn policy match         | warning     | ip.anomaly-drop |
| <a href="#">tcp-xmas-policy</a>       | 247785940435599364 | Both Local and Remote | Anomaly drops for tcp header policy match      | warning     | ip.anomaly-drop |
| <a href="#">tunnel-policy</a>         | 247785940435599368 | Both Local and Remote | Anomaly drops for tunnel policy match          | warning     | ip.anomaly-drop |
| <a href="#">udp-hdr-policy</a>        | 247785940435599365 | Both Local and Remote | Anomaly policy match for TCP attacks           | warning     | ip.anomaly-drop |
| <a href="#">create-error</a>          | 247909635493724164 | Both Local and Remote | System error logs                              | error       | ip.nat.pool     |
| <a href="#">xparent_mode</a>          | 256705178760118273 | Both Local and Remote | Failure to set IPv6 transparent mode address   | error       | ipv6            |
| <a href="#">checksum_adv</a>          | 256810731876384771 | Both Local and Remote | ICMP IPv6 Advertisement checksum error         | information | ipv6.neighbor   |
| <a href="#">dupe_adv</a>              | 256810731876384770 | Both Local and Remote | Duplicate IPv6 address detected                | warning     | ipv6.neighbor   |
| <a href="#">dupe_solic</a>            | 256810731876384769 | Both Local and Remote | Duplicate solicitation                         | warning     | ipv6.neighbor   |
| <a href="#">conn-fail</a>             | 148618787703226375 | Both Local and Remote | connect failed in sock init                    | information | ldap-server     |
| <a href="#">fail</a>                  | 148618787703226374 | Both Local and Remote | Could not get LDAP                             | information | ldap-server     |



|                                       |                    | Remote                | server                                                       |              |                     |
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| <a href="#">info</a>                  | 148618787703226370 | Both Local and Remote | LDAP info Logs                                               | information  | ldap-server         |
| <a href="#">invalid-attribute</a>     | 148618787703226372 | Both Local and Remote | invalid attribute                                            | warning      | ldap-server         |
| <a href="#">not-config</a>            | 148618787703226369 | Both Local and Remote | A10AdminPartition attribute is not configured in LDAP server | warning      | ldap-server         |
| <a href="#">oper-error</a>            | 148618787703226371 | Both Local and Remote | LDAP operation error                                         | error        | ldap-server         |
| <a href="#">partition-not-exist</a>   | 148618787703226373 | Both Local and Remote | partition not exist                                          | warning      | ldap-server         |
| <a href="#">fail</a>                  | 382823560512536578 | Both Local and Remote | link startup config failed                                   | error        | link.startup-config |
| <a href="#">succeed</a>               | 382823560512536577 | Both Local and Remote | link startup config succeed                                  | information  | link.startup-config |
| <a href="#">ctrl-cpu-blacklisted</a>  | 342273571680157702 | Both Local and Remote | multi-ctrl-cpu blacklisted                                   | notification | multi-ctrl-cpu      |
| <a href="#">ctrl-cpus-excess</a>      | 342273571680157703 | Both Local and Remote | multi-ctrl-cpu in excess                                     | notification | multi-ctrl-cpu      |
| <a href="#">ctrl-cpus-not-allowed</a> | 342273571680157704 | Both Local and Remote | multi-ctrl-cpus not allowed                                  | notification | multi-ctrl-cpu      |
| <a href="#">not-run-hw-diag</a>       | 342273571680157699 | Both Local and Remote | not run HW Diag when rebooted                                | notification | multi-ctrl-cpu      |
| <a href="#">notif</a>                 | 342273571680157697 | Both Local and Remote | multi-ctrl-cpu change                                        | notification | multi-ctrl-cpu      |
| <a href="#">run-def-prof</a>          | 342273571680157698 | Both Local and Remote | run the default profile when rebooted                        | notification | multi-ctrl-cpu      |
| <a href="#">run-hw-diag</a>           | 342273571680157700 | Both Local and Remote | run HW Diag when rebooted                                    | notification | multi-ctrl-cpu      |
| <a href="#">run-l7-opt-prof</a>       | 342273571680157701 | Both Local and Remote | run with L7 optimized profile when rebooted                  | notification | multi-ctrl-cpu      |
|                                       |                    | Both Local and Remote | Duplicate IP address                                         |              |                     |

|                                          |                    |                       |                                                                                |              |                      |
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| <a href="#">dupe_ipmac</a>               | 252412685365280769 | Remote                | detected                                                                       | warning      | network.arp          |
| <a href="#">send-ready</a>               | 252483054109458434 | Both Local and Remote | LLDP ready to send out the packet                                              | notification | network.lldp         |
| <a href="#">table-change</a>             | 252483054109458433 | Both Local and Remote | LLDP remote table changed                                                      | notification | network.lldp         |
| <a href="#">icmp_exceed</a>              | 252254355690881025 | Both Local and Remote | Trunk ICMP packet rate limit exceeded, drop ICMP packets for lockup period     | information  | network.trunk        |
| <a href="#">icmpv6_exceed</a>            | 252254355690881026 | Both Local and Remote | Trunk ICMPV6 packet rate limit exceeded, drop ICMPV6 packets for lockup period | information  | network.trunk        |
| <a href="#">vwire-state</a>              | 252606199411769345 | Both Local and Remote | Virtual wire state change                                                      | information  | network.virtual-wire |
| <a href="#">access_failure</a>           | 909727124728840203 | Both Local and Remote | Failed to access ngwaf binary                                                  | error        | ng-waf               |
| <a href="#">action_failure</a>           | 909727124728840194 | Both Local and Remote | a10ngwaf status change action failure                                          | error        | ng-waf               |
| <a href="#">action_success</a>           | 909727124728840193 | Both Local and Remote | a10ngwaf status change action success                                          | information  | ng-waf               |
| <a href="#">disable_on_vport_failure</a> | 909727124728840198 | Both Local and Remote | NGWAF disabling on vport failed                                                | error        | ng-waf               |
| <a href="#">disable_on_vport_success</a> | 909727124728840197 | Both Local and Remote | NGWAF disabling on vport succeeded                                             | information  | ng-waf               |
| <a href="#">enable_on_vport_failure</a>  | 909727124728840196 | Both Local and Remote | NGWAF enabling on vport failed                                                 | error        | ng-waf               |
| <a href="#">enable_on_vport_success</a>  | 909727124728840195 | Both Local and Remote | NGWAF enabling on vport succeeded                                              | information  | ng-waf               |
| <a href="#">fork_failure</a>             | 909727124728840205 | Both Local and Remote | Failed to create new a10ngwaf instance                                         | error        | ng-waf               |
| <a href="#">instances_limit_exceeded</a> | 909727124728840204 | Both Local and Remote | NGWAF instances limit reached                                                  | error        | ng-waf               |
| <a href="#">kill_instance_failure</a>    | 909727124728840207 | Both Local and Remote | Failed to kill an                                                              | error        | ng-waf               |

|                                                    |                    | Remote                | a10ngwaf instance                         |              |              |
|----------------------------------------------------|--------------------|-----------------------|-------------------------------------------|--------------|--------------|
| <a href="#">kill_instance_success</a>              | 909727124728840206 | Both Local and Remote | Killed an a10ngwaf instance               | information  | ng-waf       |
| <a href="#">killall_instances_failure</a>          | 909727124728840209 | Both Local and Remote | Failed to kill all a10ngwaf instances     | error        | ng-waf       |
| <a href="#">killall_instances_success</a>          | 909727124728840208 | Both Local and Remote | Killed all a10ngwaf instances             | information  | ng-waf       |
| <a href="#">max_tracked_custom_signal_exceeded</a> | 909727124728840211 | Both Local and Remote | Maximum tracked custom signal exceeded    | information  | ng-waf       |
| <a href="#">request_blocked</a>                    | 909727124728840200 | Remote only           | HTTP request is blocked by ng-waf         | error        | ng-waf       |
| <a href="#">request_marked</a>                     | 909727124728840210 | Remote only           | HTTP request is marked by ng-waf          | error        | ng-waf       |
| <a href="#">request_redirected</a>                 | 909727124728840213 | Remote only           | HTTP request is redirected by ng-waf      | error        | ng-waf       |
| <a href="#">restart_req_fail</a>                   | 909727124728840202 | Both Local and Remote | NGWAF restart request send failed         | error        | ng-waf       |
| <a href="#">restart_req_sent</a>                   | 909727124728840201 | Both Local and Remote | NGWAF restart request sent success        | information  | ng-waf       |
| <a href="#">set_server_info</a>                    | 909727124728840214 | Both Local and Remote | update NGWAF server info                  | information  | ng-waf       |
| <a href="#">vport_limit_exceeded</a>               | 909727124728840199 | Both Local and Remote | NGWAF vport limit reached                 | error        | ng-waf       |
| <a href="#">status-info</a>                        | 324259173170675713 | Both Local and Remote | no ntp server defined                     | information  | ntp          |
| <a href="#">notif</a>                              | 900719925474099201 | Both Local and Remote | offload-cpu change                        | notification | offload-cpus |
| <a href="#">creation-info</a>                      | 27021597764222982  | Both Local and Remote | Information related to partition creation | information  | partition    |
| <a href="#">creation_error</a>                     | 27021597764222977  | Both Local and Remote | Error on creating partition               | error        | partition    |
| <a href="#">deletion-info</a>                      | 27021597764222983  | Both Local and Remote | Information related to partition deletion | information  | partition    |

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|-----------------------------------------------------|--------------------|-----------------------|---------------------------------------------------------|-------------|---------------|
| <a href="#">deletion_error</a>                      | 27021597764222980  | Both Local and Remote | Error on deleting partition                             | error       | partition     |
| <a href="#">deletion_failure</a>                    | 27021597764222981  | Both Local and Remote | Error on deleting partition                             | error       | partition     |
| <a href="#">kernel_init_error</a>                   | 27021597764222984  | Both Local and Remote | Error on creating partition                             | error       | partition     |
| <a href="#">load_dir_error</a>                      | 27021597764222979  | Both Local and Remote | Failed to load dir on creating partition                | error       | partition     |
| <a href="#">mapping_file_error</a>                  | 27021597764222978  | Both Local and Remote | Mapping file error on creating partition                | error       | partition     |
| <a href="#">action</a>                              | 473071474920390662 | Both Local and Remote | when actions of PKI ACME-Certificate is triggered       | information | pki.acme-cert |
| <a href="#">function_acme_entry_exist_error</a>     | 473071474920390665 | Both Local and Remote | PKI ACME entry already exists for cert                  | error       | pki.acme-cert |
| <a href="#">function_acme_entry_not_found_error</a> | 473071474920390664 | Both Local and Remote | PKI ACME entry not found for cert                       | error       | pki.acme-cert |
| <a href="#">function_acme_in_use_error</a>          | 473071474920390666 | Both Local and Remote | PKI ACME-Certificate currently in use and delete failed | error       | pki.acme-cert |
| <a href="#">function_acme_parse_error</a>           | 473071474920390667 | Both Local and Remote | PKI ACME-Certificate parse token or value failed        | error       | pki.acme-cert |
| <a href="#">function_max_entry_reached_error</a>    | 473071474920390668 | Both Local and Remote | Maximum number of ACME entries is reached               | error       | pki.acme-cert |
| <a href="#">function_memory_error</a>               | 473071474920390669 | Both Local and Remote | PKI ACME memory allocate failed                         | error       | pki.acme-cert |
| <a href="#">registration</a>                        | 473071474920390661 | Both Local and Remote | PKI ACME-Certificate entry is created or deleted        | information | pki.acme-cert |
| <a href="#">token_registration</a>                  | 473071474920390663 | Both Local and Remote | PKI ACME challenge token is created                     | information | pki.acme-cert |
| <a href="#">action</a>                              | 473053882734346246 | Both Local and Remote | when actions of PKI CMP-Certificate is triggered        | information | pki.cmp-cert  |

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|-----------------------------------------------------|--------------------|-----------------------|---------------------------------------------------------|-------------|-----------------|
| <a href="#">function_cmp_entry_exist_error</a>      | 473053882734346248 | Both Local and Remote | PKI CMP entry already exists for cert                   | error       | pki.cmp-cert    |
| <a href="#">function_cmp_entry_not_found_error</a>  | 473053882734346247 | Both Local and Remote | PKI CMP entry not found for cert                        | error       | pki.cmp-cert    |
| <a href="#">function_cmp_in_use_error</a>           | 473053882734346249 | Both Local and Remote | PKI CMP-Certificate currently in use and delete failed  | error       | pki.cmp-cert    |
| <a href="#">function_max_entry_reached_error</a>    | 473053882734346250 | Both Local and Remote | Maximum number of CMP entries is reached                | error       | pki.cmp-cert    |
| <a href="#">function_memory_error</a>               | 473053882734346251 | Both Local and Remote | PKI CMP memory allocate failed                          | error       | pki.cmp-cert    |
| <a href="#">registration</a>                        | 473053882734346245 | Both Local and Remote | PKI CMP-Certificate entry is created or deleted         | information | pki.cmp-cert    |
| <a href="#">action</a>                              | 472895553059946500 | Both Local and Remote | when actions of PKI SCEP-Certificate is triggered       | information | pki.scep-cert   |
| <a href="#">function_max_entry_reached_error</a>    | 472895553059946504 | Both Local and Remote | Maximum number of SCEP entries is reached               | error       | pki.scep-cert   |
| <a href="#">function_memory_error</a>               | 472895553059946505 | Both Local and Remote | PKI SCEP memory allocate failed                         | error       | pki.scep-cert   |
| <a href="#">function_scep_entry_exist_error</a>     | 472895553059946502 | Both Local and Remote | PKI SCEP entry already exists for cert                  | error       | pki.scep-cert   |
| <a href="#">function_scep_entry_not_found_error</a> | 472895553059946501 | Both Local and Remote | PKI SCEP entry not found for cert                       | error       | pki.scep-cert   |
| <a href="#">function_scep_in_use_error</a>          | 472895553059946503 | Both Local and Remote | PKI SCEP-Certificate currently in use and delete failed | error       | pki.scep-cert   |
| <a href="#">registration</a>                        | 472895553059946497 | Both Local and Remote | PKI SCEP-Certificate entry is created or deleted        | information | pki.scep-cert   |
| <a href="#">XAUI-link-status</a>                    | 716072340751908868 | Both Local and Remote | XAUI link status                                        | information | plat-buff-stats |
| <a href="#">alloc-fail</a>                          | 716072340751908872 | Both Local and Remote | Unable to allocate                                      | error       | plat-buff-stats |

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|-------------------------------------------|--------------------|-----------------------|-------------------------------------------------------------|--------------|-----------------|
| <a href="#">core-crc-action</a>           | 716072340751908875 | Both Local and Remote | System is going to reboot due to Core CRC Error detection.. | emergency    | plat-buff-stats |
| <a href="#">core-crc-err</a>              | 716072340751908874 | Both Local and Remote | FPGA Core CRC Error                                         | error        | plat-buff-stats |
| <a href="#">csum-err</a>                  | 716072340751908873 | Both Local and Remote | verify_content: wrong csum                                  | error        | plat-buff-stats |
| <a href="#">error</a>                     | 716072340751908866 | Both Local and Remote | FPGA error from backend                                     | error        | plat-buff-stats |
| <a href="#">fpga-pkt-send-perf-failed</a> | 716072340751908876 | Both Local and Remote | FPGA packet send perf failed                                | information  | plat-buff-stats |
| <a href="#">invalid-buf-index</a>         | 716072340751908870 | Both Local and Remote | buffer invalid index                                        | error        | plat-buff-stats |
| <a href="#">map-fail</a>                  | 716072340751908871 | Both Local and Remote | Failed to map internal ring                                 | error        | plat-buff-stats |
| <a href="#">notice</a>                    | 716072340751908867 | Both Local and Remote | exceed rate limit                                           | notification | plat-buff-stats |
| <a href="#">status</a>                    | 716072340751908865 | Both Local and Remote | Failed to fill transmit chunk                               | information  | plat-buff-stats |
| <a href="#">warning</a>                   | 166633186212708354 | Both Local and Remote | Radius Role mismatch                                        | warning      | radius-server   |
| <a href="#">fail</a>                      | 373798769071751169 | Both Local and Remote | Reboot failed                                               | error        | reboot          |
| <a href="#">restart</a>                   | 373798769071751170 | Both Local and Remote | System is going to restart                                  | emergency    | reboot          |
| <a href="#">fail-status</a>               | 328762772798046210 | Both Local and Remote | Timer thread failure                                        | error        | reload          |
| <a href="#">succ</a>                      | 328762772798046211 | Both Local and Remote | Reload process Success                                      | information  | reload          |
| <a href="#">system-state</a>              | 328762772798046209 | Both Local and Remote | ACOS begin reload                                           | information  | reload          |
| <a href="#">neighbor-status</a>           | 549509523283378178 | Both Local and Remote | BGP neighbor status change                                  | notification | router.bgp      |

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|-----------------------------------------|--------------------|-----------------------|------------------------------------------------------|--------------|------------------|
| <a href="#">notification</a>            | 549509523283378180 | Both Local and Remote | BGP notification received/sent                       | notification | router.bgp       |
| <a href="#">prefixes-exceeded-info</a>  | 549509523283378177 | Both Local and Remote | BGP Prefixes exceeded maximum number                 | information  | router.bgp       |
| <a href="#">warning</a>                 | 549509523283378179 | Both Local and Remote | BGP Protocol                                         | warning      | router.bgp       |
| <a href="#">interface-info</a>          | 549544707655467009 | Both Local and Remote | IS-IS interface mode changed to active or passive    | information  | router.isis      |
| <a href="#">nsm-state-change</a>        | 549544707655467011 | Both Local and Remote | Neighbor FSM State Change                            | information  | router.isis      |
| <a href="#">routes-exceeded-warning</a> | 549544707655467010 | Both Local and Remote | Number of ISIS routes exceeding the system limits    | warning      | router.isis      |
| <a href="#">intf-add-notif</a>          | 549562299841511425 | Both Local and Remote | Notification for interface add to trunk              | notification | router.lacp      |
| <a href="#">intf-del-notif</a>          | 549562299841511426 | Both Local and Remote | Notification for interface removal from trunk        | notification | router.lacp      |
| <a href="#">n fsm-state-change</a>      | 549527115469422602 | Both Local and Remote | OSPF neighbor FSM State Change                       | information  | router.ospf      |
| <a href="#">routes-limit-exceeded</a>   | 549527115469422601 | Both Local and Remote | Maximum Number of OSPF Routes Exceeded               | warning      | router.ospf      |
| <a href="#">aflex-error</a>             | 220764342671376385 | Both Local and Remote | Could not get aflex name from partition              | error        | rrd.slb-server   |
| <a href="#">bw-error</a>                | 220764342671376386 | Both Local and Remote | Failed to add the black-white list                   | error        | rrd.slb-server   |
| <a href="#">import-error</a>            | 220764342671376387 | Both Local and Remote | Failed to create temporary directory for import      | error        | rrd.slb-server   |
| <a href="#">register-function</a>       | 630591908762091521 | Both Local and Remote | Failed to allocate memory register callback function | error        | scaleout.cluster |
| <a href="#">server_status</a>           | 630591908762091523 | Both Local and Remote | Cluster server status info                           | information  | scaleout.cluster |

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| <a href="#">vserver-traffic-map</a>  | 630591908762091522 | Both Local and Remote | Scaleout update virtual server traffic map                     | information  | scaleout.cluster                 |
| <a href="#">active_node_status</a>   | 630592458517905409 | Both Local and Remote | Nodes joining and leaving scaleout                             | information  | scaleout.cluster.cluster-devices |
| <a href="#">election_status</a>      | 630592458517905411 | Both Local and Remote | Election status                                                | information  | scaleout.cluster.cluster-devices |
| <a href="#">re_election</a>          | 630592458517905410 | Both Local and Remote | Re-election has been triggered                                 | information  | scaleout.cluster.cluster-devices |
| <a href="#">single_node_status</a>   | 630592458517905412 | Both Local and Remote | Single node status of a local device                           | information  | scaleout.cluster.cluster-devices |
| <a href="#">disabled</a>             | 630592183639998466 | Both Local and Remote | Local device being disabled                                    | information  | scaleout.cluster.local-device    |
| <a href="#">service_master_node</a>  | 630592183639998465 | Both Local and Remote | Local device mode                                              | information  | scaleout.cluster.local-device    |
| <a href="#">distribution</a>         | 630627093134180353 | Both Local and Remote | Distributing traffic map on change in active nodes in scaleout | information  | scaleout.traffic-map             |
| <a href="#">update</a>               | 630627093134180354 | Both Local and Remote | Change in traffic map status                                   | information  | scaleout.traffic-map             |
| <a href="#">license-bw-limit</a>     | 409827566090715137 | Both Local and Remote | License BW limit is set                                        | notification | scm                              |
| <a href="#">license-bw-unlimit</a>   | 409827566090715142 | Both Local and Remote | License BW is unlimited                                        | notification | scm                              |
| <a href="#">license-conn-limit</a>   | 409827566090715141 | Both Local and Remote | License Port/Connectivity limit is set                         | notification | scm                              |
| <a href="#">license-conn-unlimit</a> | 409827566090715146 | Both Local and Remote | License Port/Connectivity is unlimited                         | notification | scm                              |
| <a href="#">license-core-limit</a>   | 409827566090715140 | Both Local and Remote | System Reloaded/Rebooted due to license core limit is set      | notification | scm                              |
| <a href="#">license-core-unlimit</a> | 409827566090715145 | Both Local and Remote | System Reloaded/Rebooted due to license core is                | notification | scm                              |



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|----------------------------------------|--------------------|-----------------------|-------------------------------------------------------|--------------|-------------------|
|                                        |                    |                       | unlimited                                             |              |                   |
| <a href="#">license-memory-limit</a>   | 409827566090715139 | Both Local and Remote | System Rebooted due to license memory limit is set    | notification | scm               |
| <a href="#">license-memory-unlimit</a> | 409827566090715144 | Both Local and Remote | License memory is unlimited                           | notification | scm               |
| <a href="#">license-pps-limit</a>      | 409827566090715138 | Both Local and Remote | License PPS limit is set                              | notification | scm               |
| <a href="#">license-pps-unlimit</a>    | 409827566090715143 | Both Local and Remote | License PPS is unlimited                              | notification | scm               |
| <a href="#">creation-info</a>          | 747597538143502341 | Both Local and Remote | Information related to service partition creation     | information  | service-partition |
| <a href="#">creation_error</a>         | 747597538143502337 | Both Local and Remote | Error on creating service partition                   | error        | service-partition |
| <a href="#">deletion-info</a>          | 747597538143502342 | Both Local and Remote | Information related to service partition deletion     | information  | service-partition |
| <a href="#">deletion_error</a>         | 747597538143502339 | Both Local and Remote | Error on deleting service partition                   | error        | service-partition |
| <a href="#">deletion_failure</a>       | 747597538143502340 | Both Local and Remote | Error on deleting service partition                   | error        | service-partition |
| <a href="#">mapping_file_error</a>     | 747597538143502338 | Both Local and Remote | Mapping file error on creating service partition      | error        | service-partition |
| <a href="#">notif</a>                  | 414331165718085633 | Both Local and Remote | Setting product ID                                    | notification | set-product-id    |
| <a href="#">info</a>                   | 487778542453522433 | Both Local and Remote | aFleX log command executed                            | information  | slb.aflex-log     |
| <a href="#">qat-invalid-vf-count</a>   | 486406351942057985 | Both Local and Remote | Number of QAT VF instances are less than Polling CPUs | warning      | slb.common        |
| <a href="#">line_long</a>              | 487268369058234369 | Both Local and Remote | SLB FTP Proxy Line too long                           | warning      | slb.ftp-proxy     |
|                                        |                    | Both Local and        |                                                       |              |                   |

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| <a href="#">buff_queue_too_small</a>    | 487198000314056716 | Remote                | Buffer queue too small                                                       | warning     | slb.http-proxy |
| <a href="#">buff_queue_too_small_v4</a> | 487198000314056744 | Both Local and Remote | Buffer queue too small                                                       | warning     | slb.http-proxy |
| <a href="#">buff_queue_too_small_v6</a> | 487198000314056745 | Both Local and Remote | Buffer queue too small                                                       | warning     | slb.http-proxy |
| <a href="#">es_debug_event</a>          | 487198000314056732 | Both Local and Remote | HTTP ES debug event                                                          | debugging   | slb.http-proxy |
| <a href="#">es_event</a>                | 487198000314056731 | Both Local and Remote | HTTP ES event                                                                | information | slb.http-proxy |
| <a href="#">es_rate_v4</a>              | 487198000314056729 | Both Local and Remote | HTTP ES v4 request rate limit reached. Check server template conn-rate-limit | warning     | slb.http-proxy |
| <a href="#">es_rate_v6</a>              | 487198000314056730 | Both Local and Remote | HTTP ES v6 request rate limit reached. Check server template conn-rate-limit | warning     | slb.http-proxy |
| <a href="#">es_timeout_v4</a>           | 487198000314056727 | Both Local and Remote | HTTP ES v4 timeout                                                           | warning     | slb.http-proxy |
| <a href="#">es_timeout_v6</a>           | 487198000314056728 | Both Local and Remote | HTTP ES v6 timeout                                                           | warning     | slb.http-proxy |
| <a href="#">generic_log</a>             | 487198000314056726 | Both Local and Remote | No NAT pool available                                                        | warning     | slb.http-proxy |
| <a href="#">header_count</a>            | 487198000314056722 | Both Local and Remote | HTTP header at location count is too long                                    | warning     | slb.http-proxy |
| <a href="#">header_count_ip</a>         | 487198000314056754 | Both Local and Remote | HTTP header at location count is too long                                    | warning     | slb.http-proxy |
| <a href="#">header_detail</a>           | 487198000314056723 | Both Local and Remote | HTTP header detail when HTTP header is too long                              | warning     | slb.http-proxy |
| <a href="#">header_detail_ip</a>        | 487198000314056755 | Both Local and Remote | HTTP header detail when HTTP header is too long                              | warning     | slb.http-proxy |

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| <a href="#">header_invalid</a>            | 487198000314056720 | Both Local and Remote | HTTP header is invalid                            | warning     | slb.http-proxy |
| <a href="#">header_invalid_ip</a>         | 487198000314056752 | Both Local and Remote | HTTP header is invalid                            | warning     | slb.http-proxy |
| <a href="#">header_name_long</a>          | 487198000314056733 | Both Local and Remote | HTTP header name too long                         | warning     | slb.http-proxy |
| <a href="#">header_too_long</a>           | 487198000314056719 | Both Local and Remote | HTTP header is too long                           | warning     | slb.http-proxy |
| <a href="#">header_too_long_ip</a>        | 487198000314056751 | Both Local and Remote | HTTP header is too long                           | warning     | slb.http-proxy |
| <a href="#">http1x_request_event</a>      | 487198000314056735 | Remote only           | HTTP request event                                | information | slb.http-proxy |
| <a href="#">http_line_too_long</a>        | 487198000314056747 | Both Local and Remote | HTTP line too long                                | warning     | slb.http-proxy |
| <a href="#">http_line_too_long_ip</a>     | 487198000314056757 | Both Local and Remote | HTTP line too long                                | warning     | slb.http-proxy |
| <a href="#">http_request_event</a>        | 487198000314056734 | Remote only           | HTTP request event                                | information | slb.http-proxy |
| <a href="#">http_request_log</a>          | 487198000314056746 | Both Local and Remote | HTTP request                                      | warning     | slb.http-proxy |
| <a href="#">http_request_log_ip</a>       | 487198000314056756 | Both Local and Remote | HTTP request                                      | warning     | slb.http-proxy |
| <a href="#">http_resp_not_beg_hdr</a>     | 487198000314056748 | Both Local and Remote | HTTP response not beginning of header             | warning     | slb.http-proxy |
| <a href="#">http_resp_not_beg_hdr_ip</a>  | 487198000314056758 | Both Local and Remote | HTTP response not beginning of header             | warning     | slb.http-proxy |
| <a href="#">log_line</a>                  | 487198000314056721 | Both Local and Remote | HTTP header log when HTTP header name is too long | warning     | slb.http-proxy |
| <a href="#">log_line_ip</a>               | 487198000314056753 | Both Local and Remote | HTTP header log when HTTP header name is too long | warning     | slb.http-proxy |
| <a href="#">lwnode_rport_add_error</a>    | 487198000314056713 | Both Local and Remote | Lwnode rport add error                            | warning     | slb.http-proxy |
| <a href="#">lwnode_rport_create_error</a> | 487198000314056709 | Both Local and Remote | Failed to create lwnode dummy real port           | warning     | slb.http-proxy |

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| <a href="#">lwnode_rport_find_error</a>      | 487198000314056710 | Both Local and Remote | Lwnode rport find error                                     | warning  | slb.http-proxy |
| <a href="#">lwnode_rserver_create_error</a>  | 487198000314056708 | Both Local and Remote | Failed to create lwnode dummy rserver                       | warning  | slb.http-proxy |
| <a href="#">lwnode_service_create_error</a>  | 487198000314056711 | Both Local and Remote | Lwnode service create error                                 | critical | slb.http-proxy |
| <a href="#">lwnode_service_find_error</a>    | 487198000314056712 | Both Local and Remote | Lwnode service find error                                   | warning  | slb.http-proxy |
| <a href="#">message</a>                      | 487198000314056706 | Both Local and Remote | HTTP Cookie header has unknown format. Message key is given | warning  | slb.http-proxy |
| <a href="#">proxy_queue_depth_exceeds</a>    | 487198000314056724 | Both Local and Remote | HTTP queue depth exceeded                                   | warning  | slb.http-proxy |
| <a href="#">proxy_queue_depth_exceeds_v4</a> | 487198000314056736 | Both Local and Remote | HTTP queue depth exceeded                                   | warning  | slb.http-proxy |
| <a href="#">proxy_queue_depth_exceeds_v6</a> | 487198000314056738 | Both Local and Remote | HTTP queue depth exceeded                                   | warning  | slb.http-proxy |
| <a href="#">proxy_queue_full</a>             | 487198000314056725 | Both Local and Remote | HTTP queue full                                             | warning  | slb.http-proxy |
| <a href="#">proxy_queue_full_v4</a>          | 487198000314056737 | Both Local and Remote | HTTP queue full                                             | warning  | slb.http-proxy |
| <a href="#">proxy_queue_full_v6</a>          | 487198000314056739 | Both Local and Remote | HTTP queue full                                             | warning  | slb.http-proxy |
| <a href="#">queue_depth_exceed</a>           | 487198000314056714 | Both Local and Remote | Queue depth exceed                                          | warning  | slb.http-proxy |
| <a href="#">queue_depth_exceed_v4</a>        | 487198000314056740 | Both Local and Remote | Queue depth exceed                                          | warning  | slb.http-proxy |
| <a href="#">queue_depth_exceed_v6</a>        | 487198000314056742 | Both Local and Remote | Queue depth exceed                                          | warning  | slb.http-proxy |
| <a href="#">queue_full</a>                   | 487198000314056715 | Both Local and Remote | Queue full                                                  | warning  | slb.http-proxy |
| <a href="#">queue_full_v4</a>                | 487198000314056741 | Both Local and Remote | Queue full                                                  | warning  | slb.http-proxy |

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|---------------------------------------------|--------------------|-----------------------|----------------------------------------------|-------------|-----------------|
| <a href="#">queue_full_v6</a>               | 487198000314056743 | Both Local and Remote | Queue full                                   | warning     | slb.http-proxy  |
| <a href="#">too_many_headers</a>            | 487198000314056717 | Both Local and Remote | Too many headers in request                  | warning     | slb.http-proxy  |
| <a href="#">too_many_headers_ip</a>         | 487198000314056749 | Both Local and Remote | Too many headers in request                  | warning     | slb.http-proxy  |
| <a href="#">too_many_response_header</a>    | 487198000314056718 | Both Local and Remote | Too many response header                     | warning     | slb.http-proxy  |
| <a href="#">too_many_response_header_ip</a> | 487198000314056750 | Both Local and Remote | Too many response header                     | warning     | slb.http-proxy  |
| <a href="#">unknown_cookie</a>              | 487198000314056705 | Both Local and Remote | HTTP Cookie header has unknown format        | warning     | slb.http-proxy  |
| <a href="#">vport_retry</a>                 | 487198000314056707 | Both Local and Remote | HTTP Processing of aflex retry               | information | slb.http-proxy  |
| <a href="#">decompress_len</a>              | 486986894081523717 | Both Local and Remote | Decompression length error                   | information | slb.hw-compress |
| <a href="#">deflate_error</a>               | 486986894081523716 | Both Local and Remote | Deflate string length error                  | information | slb.hw-compress |
| <a href="#">error</a>                       | 486986894081523714 | Both Local and Remote | Unknown decompression error                  | error       | slb.hw-compress |
| <a href="#">info</a>                        | 486986894081523713 | Both Local and Remote | Compression information                      | information | slb.hw-compress |
| <a href="#">len</a>                         | 486986894081523715 | Both Local and Remote | SPDY compression length error                | information | slb.hw-compress |
| <a href="#">proxy_line_long</a>             | 487285961244278785 | Both Local and Remote | IMAP line too long                           | warning     | slb.imap-proxy  |
| <a href="#">class_list_policy</a>           | 487074855011745797 | Both Local and Remote | Service contains no class-list or aaa-policy | warning     | slb.mssql       |
| <a href="#">conn_failure</a>                | 487074855011745799 | Both Local and Remote | server connection failure                    | warning     | slb.mssql       |
| <a href="#">log</a>                         | 487074855011745793 | Both Local and Remote | mssql log message                            | warning     | slb.mssql       |
| <a href="#">message</a>                     | 487074855011745795 | Both Local and Remote | Unexpected message received                  | error       | slb.mssql       |

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| <a href="#">route_not_found</a>          | 487074855011745798 | Both Local and Remote | route is not found                                                                      | warning     | slb.mssql          |
| <a href="#">server_ssl_template</a>      | 487074855011745796 | Both Local and Remote | mssql ssl template error                                                                | error       | slb.mssql          |
| <a href="#">token</a>                    | 487074855011745794 | Both Local and Remote | unknown token error                                                                     | warning     | slb.mssql          |
| <a href="#">authentication_failure</a>   | 487057262825701382 | Both Local and Remote | Client failure to authenticate                                                          | warning     | slb.mysql          |
| <a href="#">log</a>                      | 487057262825701377 | Both Local and Remote | mysql log message                                                                       | warning     | slb.mysql          |
| <a href="#">login_error</a>              | 487057262825701378 | Both Local and Remote | User not found                                                                          | warning     | slb.mysql          |
| <a href="#">no_password</a>              | 487057262825701381 | Both Local and Remote | user password not found                                                                 | warning     | slb.mysql          |
| <a href="#">password_error</a>           | 487057262825701380 | Both Local and Remote | password length error                                                                   | warning     | slb.mysql          |
| <a href="#">ssl_error</a>                | 487057262825701379 | Both Local and Remote | SSL server error                                                                        | error       | slb.mysql          |
| <a href="#">slb_threshold_cross</a>      | 486459128500191233 | Both Local and Remote | SLB resource threshold above limit                                                      | alert       | slb.resource-usage |
| <a href="#">slb_threshold_normal</a>     | 486459128500191234 | Both Local and Remote | SLB resource threshold drops below limit                                                | information | slb.resource-usage |
| <a href="#">secure_gaming_crc_drop</a>   | 488007240872099841 | Both Local and Remote | Secure Gaming Packet Drop                                                               | information | slb.secure-gaming  |
| <a href="#">action</a>                   | 486758195662946306 | Both Local and Remote | SLB Server creation or deletion                                                         | information | slb.server         |
| <a href="#">conn_resv</a>                | 486758195662946313 | Both Local and Remote | SLB Server reservation count became negative                                            | warning     | slb.server         |
| <a href="#">duplicate_dynamic_server</a> | 486758195662946311 | Both Local and Remote | Static/Dynamic (for a different hostname)<br>SLB server with the same IP already exists | warning     | slb.server         |
| <a href="#">exceeded</a>                 | 486758195662946308 | Both Local and Remote | SLB Server exceeded Conn Limit or Conn                                                  | warning     | slb.server         |

|                                        |                    |                       | Rate Limit                                                                                 |             |                 |
|----------------------------------------|--------------------|-----------------------|--------------------------------------------------------------------------------------------|-------------|-----------------|
| <a href="#">fwlb_no_rserver_mac</a>    | 486758195662946314 | Both Local and Remote | FWLB spoofing MAC entry unavailable                                                        | information | slb.server      |
| <a href="#">gslb_dyn_svc_ip_exceed</a> | 486758195662946305 | Both Local and Remote | Information about GSLB Dynamic Service IP Exceeded                                         | information | slb.server      |
| <a href="#">resume</a>                 | 486758195662946310 | Both Local and Remote | SLB server is now eligible to resume accepting connections.                                | information | slb.server      |
| <a href="#">selection_failure</a>      | 486758195662946307 | Both Local and Remote | SLB Server selection failed                                                                | warning     | slb.server      |
| <a href="#">state</a>                  | 486758195662946312 | Both Local and Remote | SLB Server health state change                                                             | information | slb.server      |
| <a href="#">status_send_err</a>        | 486758195662946315 | Both Local and Remote | SLB Server error in sending health status update from Master to Blade                      | information | slb.server      |
| <a href="#">threshold</a>              | 486758195662946309 | Both Local and Remote | SLB server has exceeded its bandwidth rate limit threshold.                                | information | slb.server      |
| <a href="#">action</a>                 | 486758470540853250 | Both Local and Remote | SLB Server Port got created or deleted successfully.                                       | information | slb.server.port |
| <a href="#">conn_resv</a>              | 486758470540853256 | Both Local and Remote | SLB Server port reservation count became negative                                          | warning     | slb.server.port |
| <a href="#">critical</a>               | 486758470540853249 | Both Local and Remote | Could not find the authentication server associated with this slb server.                  | critical    | slb.server.port |
| <a href="#">dampening</a>              | 486758470540853260 | Both Local and Remote | SLB Real Server Port down due to dampening. Flaps exceeded max flaps in configured period. | information | slb.server.port |
|                                        |                    |                       | Back Server was disabled from selection                                                    |             |                 |

|                                           |                    |                       |                                                                                             |             |                    |
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| <a href="#">disable_using_backup_node</a> | 486758470540853252 | Both Local and Remote | for new connections. Connections will resume for primary server(s)                          | information | slb.server.port    |
| <a href="#">exceeded</a>                  | 486758470540853253 | Both Local and Remote | SLB Server Port selection failed due to exceeding conn limit or conn rate limit on the port | warning     | slb.server.port    |
| <a href="#">icmp_exceed</a>               | 486758470540853257 | Both Local and Remote | SLB Server port ICMP v4 packet rate limit exceeded                                          | information | slb.server.port    |
| <a href="#">icmpv6_exceed</a>             | 486758470540853258 | Both Local and Remote | SLB Server port ICMP v6 packet rate limit exceeded                                          | information | slb.server.port    |
| <a href="#">node_state</a>                | 486758470540853251 | Both Local and Remote | SLB server port state status change                                                         | information | slb.server.port    |
| <a href="#">pkts_loop</a>                 | 486758470540853259 | Both Local and Remote | SLB Real Server Port potential loop detected                                                | warning     | slb.server.port    |
| <a href="#">resume</a>                    | 486758470540853255 | Both Local and Remote | SLB server port is now eligible to resume accepting connections.                            | information | slb.server.port    |
| <a href="#">status_send_err</a>           | 486758470540853261 | Both Local and Remote | SLB server port state error in sending health status update from Master to Blade            | information | slb.server.port    |
| <a href="#">threshold</a>                 | 486758470540853254 | Both Local and Remote | SLB server port has exceeded its conn limit or bandwidth rate limit threshold.              | information | slb.server.port    |
| <a href="#">action</a>                    | 486758745418760194 | Both Local and Remote | SLB Server Service got created or deleted successfully.                                     | information | slb.server.service |
| <a href="#">node_state</a>                | 486758745418760193 | Both Local and Remote | SLB server service state status change                                                      | information | slb.server.service |
| <a href="#">dampening</a>                 | 486775787848990732 | Both Local and Remote | Service group currently down as a result of dampening                                       | information | slb.service-group  |



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|----------------------------------------------|--------------------|-----------------------|-----------------------------------------------------------------------------------|-------------|-------------------|
| <a href="#">disable_using_backup_sg_node</a> | 486775787848990722 | Both Local and Remote | Disabled new connections on backup server(s) on group, resume primary server port | information | slb.service-group |
| <a href="#">enable_stateful</a>              | 486775787848990731 | Both Local and Remote | Stateful method is currently enabled for service group                            | warning     | slb.service-group |
| <a href="#">enable_stateless</a>             | 486775787848990730 | Both Local and Remote | Stateless method is currently enabled for service group                           | warning     | slb.service-group |
| <a href="#">enable_using_backup_sg_node</a>  | 486775787848990723 | Both Local and Remote | Enabled new connections on server port in service group                           | information | slb.service-group |
| <a href="#">ip_host_reason</a>               | 486775787848990727 | Both Local and Remote | Reason for state change from server port without virtual-server configured        | information | slb.service-group |
| <a href="#">min_active_member_state</a>      | 486775787848990724 | Both Local and Remote | Service group minimum active member state                                         | warning     | slb.service-group |
| <a href="#">rate_limit</a>                   | 486775787848990729 | Both Local and Remote | Reset-unknown-conn packet rate limit exceeded.                                    | information | slb.service-group |
| <a href="#">sg_group</a>                     | 486775787848990725 | Both Local and Remote | Enabled new connections on server port in service group                           | information | slb.service-group |
| <a href="#">state</a>                        | 486775787848990721 | Both Local and Remote | Change in service group display state                                             | information | slb.service-group |
| <a href="#">status</a>                       | 486775787848990726 | Both Local and Remote | Change in service group status                                                    | information | slb.service-group |
| <a href="#">status_send_err</a>              | 486775787848990735 | Both Local and Remote | SLB Service Group error in sending health status update from Master to Blade      | information | slb.service-group |
| <a href="#">top_message</a>                  | 486775787848990733 | Both Local and Remote | Log top servers in service-group                                                  | information | slb.service-group |
|                                              |                    |                       | Log top 10 servers in                                                             |             |                   |

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| <a href="#">top_message_param</a>                   | 486775787848990734 | Both Local and Remote | service-group by response-time                                          | information | slb.service-group       |
| <a href="#">vip_host_reason</a>                     | 486775787848990728 | Both Local and Remote | Reason for state change from server port with virtual-server configured | information | slb.service-group       |
| <a href="#">failed_to_get_blade_info</a>            | 487321145616367618 | Both Local and Remote | SLB Switch Failed to get blade info                                     | information | slb.switch              |
| <a href="#">ran_out_of_memory</a>                   | 487321145616367617 | Both Local and Remote | Ran out of memory                                                       | information | slb.switch              |
| <a href="#">log-ssl-alert</a>                       | 486706518616440845 | Both Local and Remote | SSL Alert Log                                                           | alert       | slb.template.client-ssl |
| <a href="#">log-ssl-cert-pinning-feedback-error</a> | 486706518616440861 | Both Local and Remote | Cert Pinning Feedback Error                                             | error       | slb.template.client-ssl |
| <a href="#">log-ssl-cert-pinning-notify</a>         | 486706518616440859 | Both Local and Remote | Cert Pinning Notify                                                     | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-crit-SVMFailed</a>              | 486706518616440857 | Both Local and Remote | Failed to create inet service group                                     | critical    | slb.template.client-ssl |
| <a href="#">log-ssl-err</a>                         | 486706518616440851 | Both Local and Remote | SSL Error Log                                                           | error       | slb.template.client-ssl |
| <a href="#">log-ssl-info</a>                        | 486706518616440837 | Both Local and Remote | SSL Information Log                                                     | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-Alert</a>                  | 486706518616440849 | Both Local and Remote | SSL Alert Message                                                       | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-Cert</a>                   | 486706518616440850 | Both Local and Remote | SSL Certificate Information                                             | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-InterceptFailed</a>        | 486706518616440846 | Both Local and Remote | SSL Intercept Failed                                                    | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-MaxSNILimit</a>            | 486706518616440841 | Both Local and Remote | SSL Max SNI Limit                                                       | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-RetrieveFailedSubject</a>  | 486706518616440842 | Both Local and Remote | SSL Retrieve Subject Failed                                             | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-RetrieveFailedUPN</a>      | 486706518616440843 | Both Local and Remote | SSL Retrieve UPN Failed                                                 | information | slb.template.client-ssl |

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| <a href="#">log-ssl-info-RetrieveFailedUPNTwo</a> | 486706518616440844 | Both Local and Remote | SSL Retrieve UPN Subject Failed   | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-SNIFailedCreation</a>    | 486706518616440838 | Both Local and Remote | SSL SNI Context Creation Failed   | information | slb.template.client-ssl |
| <a href="#">log-ssl-info-VerifFailed</a>          | 486706518616440848 | Both Local and Remote | SSL Server CA Verification Failed | information | slb.template.client-ssl |
| <a href="#">log-ssl-sni-bypass</a>                | 486706518616440860 | Both Local and Remote | SNI bypassed                      | information | slb.template.client-ssl |
| <a href="#">log-ssl-warn</a>                      | 486706518616440839 | Both Local and Remote | SSL Warning Log                   | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-CertError</a>            | 486706518616440840 | Both Local and Remote | SSL Certificate Error             | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-ClassListFailed</a>      | 486706518616440852 | Both Local and Remote | Failed to Load Multi-Class-list   | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-QueueDepth</a>           | 486706518616440847 | Both Local and Remote | SSL Queue Depth                   | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-RequestTimeoutV4</a>     | 486706518616440854 | Both Local and Remote | IPV4 Request was Timed-out        | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-RequestTimeoutV6</a>     | 486706518616440855 | Both Local and Remote | IPV6 Request Timed-out            | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-SVMFailed</a>            | 486706518616440856 | Both Local and Remote | SSL SVM Failed                    | warning     | slb.template.client-ssl |
| <a href="#">log-ssl-warn-failure</a>              | 486706518616440853 | Both Local and Remote | SSL Failure Warning               | warning     | slb.template.client-ssl |
| <a href="#">ssli-bypass</a>                       | 486706518616440834 | Both Local and Remote | SSL Inspection Bypassed           | information | slb.template.client-ssl |
| <a href="#">ssli-fail</a>                         | 486706518616440835 | Both Local and Remote | SSL Inspection Failed             | error       | slb.template.client-ssl |
| <a href="#">ssli-session-start</a>                | 486706518616440836 | Both Local and Remote | SSL Inspection Start              | information | slb.template.client-ssl |
| <a href="#">ssli-sni-cert-match-fail</a>          | 486706518616440858 | Both Local and Remote | SNI and cert not matched          | warning     | slb.template.client-ssl |
| <a href="#">ssli-success</a>                      | 486706518616440833 | Both Local and Remote | SSL Inspection Successful         | information | slb.template.client-ssl |

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| <a href="#">port-termination</a>                    | 486707068372254721 | Both Local and Remote | Real port empty when terminating persistent TCP connection | warning     | slb.template.connection-reuse |
| <a href="#">fqdn_label_count_filter_drop_log</a>    | 486707618128068613 | Remote only           | Log DNS Query Drop for FQDN label count Filter             | information | slb.template.dns              |
| <a href="#">fqdn_label_count_filter_drop_log_v6</a> | 486707618128068614 | Remote only           | Log DNS Query Drop for FQDN label count Filter             | information | slb.template.dns              |
| <a href="#">fqdn_length_filter_drop_log</a>         | 486707618128068611 | Remote only           | Log DNS Query Drop for FQDN label length Filter            | information | slb.template.dns              |
| <a href="#">fqdn_length_filter_drop_log_v6</a>      | 486707618128068612 | Remote only           | Log DNS Query Drop for FQDN label length Filter            | information | slb.template.dns              |
| <a href="#">tld_filter_drop_log</a>                 | 486707618128068609 | Remote only           | Log DNS Query Drop for TLD Filter                          | information | slb.template.dns              |
| <a href="#">tld_filter_drop_log_v6</a>              | 486707618128068610 | Remote only           | Log DNS Query Drop for TLD Filter                          | information | slb.template.dns              |
| <a href="#">request_header_log</a>                  | 486715314709463041 | Remote only           | DNS logging for traffic                                    | information | slb.template.dns-logging      |
| <a href="#">request_header_log_v6</a>               | 486715314709463048 | Remote only           | DNS logging for traffic                                    | information | slb.template.dns-logging      |
| <a href="#">request_header_question_log</a>         | 486715314709463043 | Remote only           | Log DNS Request Header and Questions                       | information | slb.template.dns-logging      |
| <a href="#">request_header_question_log_v6</a>      | 486715314709463050 | Remote only           | Log DNS Request Header and Questions                       | information | slb.template.dns-logging      |
| <a href="#">request_question_log</a>                | 486715314709463042 | Remote only           | Log DNS Request Question                                   | information | slb.template.dns-logging      |
| <a href="#">request_question_log_v6</a>             | 486715314709463049 | Remote only           | Log DNS Request Question                                   | information | slb.template.dns-logging      |
| <a href="#">response_both_log</a>                   | 486715314709463045 | Remote only           | Log ipv4 DNS Response Header and Answer                    | information | slb.template.dns-logging      |
| <a href="#">response_both_log_rcode</a>             | 486715314709463052 | Remote only           | Log ipv4 DNS Response Header and Answer with Rcode         | information | slb.template.dns-logging      |

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| <a href="#">response_both_log_v6</a>         | 486715314709463047 | Remote only           | Log ipv6 DNS Response Header and Answer                                                            | information | slb.template.dns-logging                |
| <a href="#">response_both_log_v6_rcode</a>   | 486715314709463054 | Remote only           | Log ipv6 DNS Response Header and Answer with Rcode                                                 | information | slb.template.dns-logging                |
| <a href="#">response_header_log</a>          | 486715314709463044 | Remote only           | Log ipv4 DNS Response Header                                                                       | information | slb.template.dns-logging                |
| <a href="#">response_header_log_rcode</a>    | 486715314709463051 | Remote only           | Log ipv4 DNS Response Header with Rcode                                                            | information | slb.template.dns-logging                |
| <a href="#">response_header_log_v6</a>       | 486715314709463046 | Remote only           | Log ipv6 DNS Response Header                                                                       | information | slb.template.dns-logging                |
| <a href="#">response_header_log_v6_rcode</a> | 486715314709463053 | Remote only           | Log ipv6 DNS Response Header with Rcode                                                            | information | slb.template.dns-logging                |
| <a href="#">request_log</a>                  | 486715327594364929 | Remote only           | Custom DNS request log                                                                             | information | slb.template.dns-logging.custom-log     |
| <a href="#">response_log</a>                 | 486715327594364930 | Remote only           | Custom DNS response log                                                                            | information | slb.template.dns-logging.custom-log     |
| <a href="#">timeout_log</a>                  | 486715327594364931 | Remote only           | Custom DNS timeout log                                                                             | information | slb.template.dns-logging.custom-log     |
| <a href="#">exceed_rate</a>                  | 486707639602905089 | Both Local and Remote | This source address and hostname combination has exceeded the filter-rate and will be rate-limited | warning     | slb.template.dns.response-rate-limiting |
| <a href="#">policy_executed</a>              | 486707665506926593 | Both Local and Remote | This DNS reply hit the rule in Response Policy Zone                                                | information | slb.template.dns.rpz.logging            |
| <a href="#">proxy_queue_depth</a>            | 486705693982720001 | Both Local and Remote | HTTP proxy queue limit exceeded                                                                    | warning     | slb.template.http                       |
| <a href="#">proxy_queue_depth_v4</a>         | 486705693982720003 | Both Local and Remote | HTTP proxy queue limit exceeded                                                                    | warning     | slb.template.http                       |
| <a href="#">proxy_queue_depth_v6</a>         | 486705693982720004 | Both Local and Remote | HTTP proxy queue limit exceeded                                                                    | warning     | slb.template.http                       |

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| <a href="#">server_ssl_context</a>           | 486705693982720002 | Both Local and Remote | Server SSL Context Failed                                       | warning     | slb.template.http                  |
| <a href="#">line_too_long</a>                | 486708167883882497 | Both Local and Remote | SLB IMAP-POP3 Request Line Too Long                             | warning     | slb.template.imap-pop3             |
| <a href="#">link-cost-bandwidth-exceeded</a> | 486716139343183873 | Both Local and Remote | Link exceeded bandwidth interval                                | warning     | slb.template.link-cost             |
| <a href="#">http</a>                         | 486709001107537921 | Remote only           | Receive Forward Proxy HTTP request and response                 | information | slb.template.policy.forward-policy |
| <a href="#">no_client_conn_reuse</a>         | 486709267395510273 | Both Local and Remote | no-client-conn-reuse does not work with https ssl connections   | warning     | slb.template.port                  |
| <a href="#">header_count</a>                 | 486710366907138055 | Both Local and Remote | SIP request header table exists                                 | warning     | slb.template.sip                   |
| <a href="#">header_invalid</a>               | 486710366907138052 | Both Local and Remote | SIP template header is invalid                                  | warning     | slb.template.sip                   |
| <a href="#">header_long</a>                  | 486710366907138051 | Both Local and Remote | SIP template header is too long                                 | warning     | slb.template.sip                   |
| <a href="#">line_long</a>                    | 486710366907138049 | Both Local and Remote | SIP request line is longer than the threshold                   | warning     | slb.template.sip                   |
| <a href="#">too_many_headers</a>             | 486710366907138050 | Both Local and Remote | SIP template has more headers than the capacity of header table | warning     | slb.template.sip                   |
| <a href="#">unknown_request</a>              | 486710366907138053 | Both Local and Remote | SIP template request is unknown                                 | warning     | slb.template.sip                   |
| <a href="#">unknown_version</a>              | 486710366907138054 | Both Local and Remote | SIP template unknown version                                    | warning     | slb.template.sip                   |
| <a href="#">header_count</a>                 | 486710641785044995 | Both Local and Remote | SMTP records the number of headers                              | warning     | slb.template.smtp                  |
| <a href="#">line_long</a>                    | 486710641785044993 | Both Local and Remote | SMTP request line is too long                                   | warning     | slb.template.smtp                  |
| <a href="#">mail</a>                         | 486710641785044996 | Both Local and Remote | SMTP mail transaction                                           | information | slb.template.smtp                  |

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|--------------------------------------|--------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|
| <a href="#">too_many_headers</a>     | 486710641785044994 | Both Local and Remote | SMTP request has more headers than the capacity of header table                                                        | warning     | slb.template.smtp       |
| <a href="#">half-close-deprecate</a> | 486711191540858881 | Both Local and Remote | user tries to use half-close-idle-time option                                                                          | warning     | slb.template.tcp-proxy  |
| <a href="#">action</a>               | 486793380035035137 | Both Local and Remote | SLB Virtual-Server Action                                                                                              | information | slb.virtual-server      |
| <a href="#">conn_limit</a>           | 486793380035035143 | Both Local and Remote | SLB Virtual Server connection limit exceeded                                                                           | warning     | slb.virtual-server      |
| <a href="#">conn_rate_limit</a>      | 486793380035035144 | Both Local and Remote | SLB Virtual Server connection rate limit exceeded                                                                      | warning     | slb.virtual-server      |
| <a href="#">disable_vport_debug</a>  | 486793380035035139 | Both Local and Remote | Debugging SLB Virtual-Server virtual-port list                                                                         | information | slb.virtual-server      |
| <a href="#">exceeded</a>             | 486793380035035140 | Both Local and Remote | SLB Virtual Server exceeded limit                                                                                      | warning     | slb.virtual-server      |
| <a href="#">icmp_exceed</a>          | 486793380035035141 | Both Local and Remote | SLB Virtual Server ICMP packet rate limit exceeded, drop all ICMP packets to this virtual server for lockup period     | information | slb.virtual-server      |
| <a href="#">icmpv6_exceed</a>        | 486793380035035142 | Both Local and Remote | SLB Virtual Server ICMPv6 packet rate limit exceeded, drop all ICMPv6 packets to this virtual server for lockup period | information | slb.virtual-server      |
| <a href="#">state_change</a>         | 486793380035035138 | Both Local and Remote | SLB Virtual Server state change                                                                                        | information | slb.virtual-server      |
| <a href="#">action</a>               | 486793654912942081 | Both Local and Remote | SLB Virtual Server Port is created/deleted                                                                             | information | slb.virtual-server.port |
| <a href="#">conn_limit</a>           | 486793654912942087 | Both Local and Remote | SLB Virtual Server port exceeded configured connection limit and logging enabled                                       | warning     | slb.virtual-server.port |

|                                   |                    |                       |                                                                                                         |             |                         |
|-----------------------------------|--------------------|-----------------------|---------------------------------------------------------------------------------------------------------|-------------|-------------------------|
| <a href="#">conn_rate_limit</a>   | 486793654912942088 | Both Local and Remote | SLB Virtual Server port exceeded configured connection rate limit on vport template and logging enabled | warning     | slb.virtual-server.port |
| <a href="#">exceeded</a>          | 486793654912942086 | Both Local and Remote | SLB Virtual Server port exceeded limit                                                                  | warning     | slb.virtual-server.port |
| <a href="#">lw_port</a>           | 486793654912942083 | Both Local and Remote | SLB Virtual Server Port failure at server selection during aflex lw port command                        | warning     | slb.virtual-server.port |
| <a href="#">query-rate-high</a>   | 486793654912942098 | Both Local and Remote | SLB Virtual Server port QPS touch configured high threshold on vport template                           | warning     | slb.virtual-server.port |
| <a href="#">query-rate-low</a>    | 486793654912942099 | Both Local and Remote | SLB Virtual Server port QPS touch configured low threshold on vport template                            | warning     | slb.virtual-server.port |
| <a href="#">query-rate-normal</a> | 486793654912942100 | Both Local and Remote | SLB Virtual Server port QPS back to normal                                                              | warning     | slb.virtual-server.port |
| <a href="#">ssl_sni</a>           | 486793654912942085 | Both Local and Remote | Failed to create SSL context for SNI configuration in client-ssl template under vport                   | information | slb.virtual-server.port |
| <a href="#">status</a>            | 486793654912942082 | Both Local and Remote | GSLB is enabled/disabled on SLB Virtual Server Port                                                     | information | slb.virtual-server.port |
| <a href="#">type_state</a>        | 486793654912942084 | Both Local and Remote | SLB Virtual Server Port state changed                                                                   | information | slb.virtual-server.port |
| <a href="#">snmp-restart</a>      | 571957152676052996 | Both Local and Remote | The snmpd restarted                                                                                     | warning     | snmp-server             |
| <a href="#">status</a>            | 216172782113783809 | Both Local and Remote | ssh login grace time                                                                                    | information | ssh-login-grace-time    |
| <a href="#">log</a>               | 211669182486413313 | Both Local and Remote | log sshd operations                                                                                     | information | sshd                    |
|                                   |                    | Both Local and Remote | SYN cookie                                                                                              |             |                         |



|                                                 |                    |                       |                                                    |             |            |
|-------------------------------------------------|--------------------|-----------------------|----------------------------------------------------|-------------|------------|
| <a href="#">syn-cookie-status</a>               | 436849163854938113 | Remote                | configuration status                               | information | syn-cookie |
| <a href="#">AAA-rm-fail</a>                     | 175640385467449566 | Both Local and Remote | Disk is full and remove old AAA logs automatically | warning     | system     |
| <a href="#">Compression-report-error</a>        | 175640385467449479 | Both Local and Remote | board report error                                 | error       | system     |
| <a href="#">HeartBeat-api-connect-failed</a>    | 175640385467449458 | Both Local and Remote | create connect failed                              | error       | system     |
| <a href="#">HeartBeat-api-connection-failed</a> | 175640385467449459 | Both Local and Remote | create thread failed                               | error       | system     |
| <a href="#">HeartBeat-api-create-failed</a>     | 175640385467449457 | Both Local and Remote | create thread failed                               | error       | system     |
| <a href="#">TRANSMIT_INIT</a>                   | 175640385467449345 | Both Local and Remote | ftp Initial transmit environment failed.           | error       | system     |
| <a href="#">a10Stat-error</a>                   | 175640385467449499 | Both Local and Remote | a10stat failed                                     | error       | system     |
| <a href="#">a10Stat-kill</a>                    | 175640385467449525 | Both Local and Remote | a10Stat killed process.                            | warning     | system     |
| <a href="#">a10lb-failed</a>                    | 175640385467449477 | Both Local and Remote | a10lb failed                                       | error       | system     |
| <a href="#">a10monitor-restart-failed</a>       | 175640385467449452 | Both Local and Remote | a10monitor restart failed                          | error       | system     |
| <a href="#">a10monitor-restart-process</a>      | 175640385467449447 | Both Local and Remote | process restart                                    | error       | system     |
| <a href="#">a10monitor-start</a>                | 175640385467449500 | Both Local and Remote | process failed                                     | error       | system     |
| <a href="#">a10stat-allocate-mem-error</a>      | 175640385467449470 | Both Local and Remote | allocate memory failed                             | error       | system     |
| <a href="#">a10stat-thread-create-error</a>     | 175640385467449471 | Both Local and Remote | thread create failed                               | error       | system     |
| <a href="#">a10timer-pid-fail</a>               | 175640385467449529 | Both Local and Remote | Get a10timer pid failure                           | warning     | system     |
| <a href="#">acos-reboot-failed</a>              | 175640385467449361 | Both Local and Remote | ACOS reboot failed                                 | critical    | system     |

|                                       |                    | Remote                |                                      |             |        |
|---------------------------------------|--------------------|-----------------------|--------------------------------------|-------------|--------|
| <a href="#">acos-reboot-ready</a>     | 175640385467449403 | Both Local and Remote | ACOS is ready to reboot              | critical    | system |
| <a href="#">acos-rebooting</a>        | 175640385467449395 | Both Local and Remote | ACOS is rebooting                    | critical    | system |
| <a href="#">acos-shutdown-failed</a>  | 175640385467449359 | Both Local and Remote | ACOS shutdown failed                 | critical    | system |
| <a href="#">acos-shutdown-ready</a>   | 175640385467449402 | Both Local and Remote | ACOS is ready to shutdown            | critical    | system |
| <a href="#">acos-shutting</a>         | 175640385467449394 | Both Local and Remote | ACOS is shutting down                | critical    | system |
| <a href="#">aflex-get-error</a>       | 175640385467449481 | Both Local and Remote | file access failed                   | error       | system |
| <a href="#">asm-api-config</a>        | 175640385467449469 | Both Local and Remote | api failed                           | error       | system |
| <a href="#">audit-log-get</a>         | 175640385467449407 | Both Local and Remote | audit log get failure                | error       | system |
| <a href="#">auth-failed</a>           | 175640385467449508 | Both Local and Remote | Authentication failed.               | warning     | system |
| <a href="#">blade-operation</a>       | 175640385467449550 | Both Local and Remote | Blade Went to Operational Phase      | information | system |
| <a href="#">cannot-open-file</a>      | 175640385467449515 | Both Local and Remote | Cannot open alb status file          | warning     | system |
| <a href="#">cannot-open-fpga-temp</a> | 175640385467449524 | Both Local and Remote | Open Fpga Temperature pipe failed    | warning     | system |
| <a href="#">cannot-set-sighup</a>     | 175640385467449366 | Both Local and Remote | Cannot set SIGHUP handling function  | critical    | system |
| <a href="#">cannot-set-sigint</a>     | 175640385467449368 | Both Local and Remote | Cannot set SIGINT handling function  | critical    | system |
| <a href="#">cannot-set-sigpipe</a>    | 175640385467449370 | Both Local and Remote | Cannot set SIGPIPE handling function | critical    | system |
| <a href="#">cannot-set-sigquit</a>    | 175640385467449369 | Both Local and Remote | Cannot set SIGQUIT handling function | critical    | system |

|                                                |                    |                       |                                                   |             |        |
|------------------------------------------------|--------------------|-----------------------|---------------------------------------------------|-------------|--------|
| <a href="#">cannot-set-sigterm</a>             | 175640385467449367 | Both Local and Remote | Cannot set SIGTERM handling function              | critical    | system |
| <a href="#">cannot-set-sigusr1</a>             | 175640385467449371 | Both Local and Remote | Cannot set SIGUSR1 handling function              | critical    | system |
| <a href="#">cannot-set-sigusr2</a>             | 175640385467449372 | Both Local and Remote | Cannot set SIGUSR2 handling function              | critical    | system |
| <a href="#">cannot-state-port</a>              | 175640385467449526 | Both Local and Remote | Failed to obtain port state.                      | warning     | system |
| <a href="#">change-ser-port-fail</a>           | 175640385467449532 | Both Local and Remote | Change service port failed.                       | warning     | system |
| <a href="#">clear-core-failure</a>             | 175640385467449409 | Both Local and Remote | clear core failed                                 | error       | system |
| <a href="#">clear-dumpthread-failure</a>       | 175640385467449410 | Both Local and Remote | clear dumpthread failed                           | error       | system |
| <a href="#">cli-no-space-left</a>              | 175640385467449418 | Both Local and Remote | disk is full                                      | error       | system |
| <a href="#">copy-interface-mapping-failure</a> | 175640385467449413 | Both Local and Remote | copy ipi file failed                              | error       | system |
| <a href="#">core</a>                           | 175640385467449349 | Both Local and Remote | System core Configuration changed                 | information | system |
| <a href="#">core-ht</a>                        | 175640385467449350 | Both Local and Remote | System core hyper-threading Configuration changed | information | system |
| <a href="#">couldnot-find-host</a>             | 175640385467449442 | Both Local and Remote | unknown host                                      | error       | system |
| <a href="#">cpu-temperature-failed</a>         | 175640385467449521 | Both Local and Remote | CPU temperature sw state change failed            | warning     | system |
| <a href="#">cpu-used</a>                       | 175640385467449389 | Both Local and Remote | The CPU has been used                             | critical    | system |
| <a href="#">cpulimit-err</a>                   | 175640385467449534 | Both Local and Remote | gzip cpulimit process start error                 | warning     | system |
| <a href="#">create-file-fail</a>               | 175640385467449517 | Both Local and Remote | Cannot create Intf data file                      | warning     | system |
|                                                |                    | Both Local and        |                                                   |             |        |

|                                           |                    |                       |                                                          |              |        |
|-------------------------------------------|--------------------|-----------------------|----------------------------------------------------------|--------------|--------|
| <a href="#">crypto-board-access-error</a> | 175640385467449480 | Remote                | board is inaccessible                                    | error        | system |
| <a href="#">ctrlcpu-init-error</a>        | 175640385467449473 | Both Local and Remote | memory init failed                                       | error        | system |
| <a href="#">data-port</a>                 | 175640385467449348 | Both Local and Remote | System data port Configuration changed                   | information  | system |
| <a href="#">data-port-change</a>          | 175640385467449352 | Both Local and Remote | System data port index changed                           | information  | system |
| <a href="#">db-init-failure</a>           | 175640385467449373 | Both Local and Remote | Init DB module failure                                   | critical     | system |
| <a href="#">db-module-failure</a>         | 175640385467449462 | Both Local and Remote | module exit failure                                      | error        | system |
| <a href="#">db-version-error</a>          | 175640385467449518 | Both Local and Remote | WARNING: DB version is unmatched                         | warning      | system |
| <a href="#">debug-file-open-error</a>     | 175640385467449456 | Both Local and Remote | open file error                                          | error        | system |
| <a href="#">disable-2x40</a>              | 175640385467449580 | Both Local and Remote | System will not support the 2x40g mode when rebooted     | notification | system |
| <a href="#">disable-4x10</a>              | 175640385467449578 | Both Local and Remote | System will not support the 4x10g mode when rebooted     | notification | system |
| <a href="#">disable-jumbo</a>             | 175640385467449582 | Both Local and Remote | System will not support the jumbo packets when rebooted. | notification | system |
| <a href="#">disk-used</a>                 | 175640385467449391 | Both Local and Remote | The disk has been used                                   | critical     | system |
| <a href="#">dns-watch-reload-failed</a>   | 175640385467449463 | Both Local and Remote | NTP error                                                | error        | system |
| <a href="#">dns-watch-thread-failed</a>   | 175640385467449383 | Both Local and Remote | Failed to start DNS watch thread                         | critical     | system |
| <a href="#">dns-watch-update-failed</a>   | 175640385467449464 | Both Local and Remote | NTP error                                                | error        | system |
| <a href="#">eanbel-rr-cpu</a>             | 175640385467449514 | Both Local and Remote | Enabled round robin on packets to data CPU               | warning      | system |

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| <a href="#">egress-pps-drop-limit</a>          | 175640385467449598 | Both Local and Remote | Pkt drop due to Egress PPS limit                       | warning      | system |
| <a href="#">enable-2x40</a>                    | 175640385467449579 | Both Local and Remote | System will support the 2x40g mode when rebooted       | notification | system |
| <a href="#">enable-4x10</a>                    | 175640385467449577 | Both Local and Remote | System will support the 4x10g mode when rebooted       | notification | system |
| <a href="#">enable-jumbo</a>                   | 175640385467449581 | Both Local and Remote | System will support the jumbo packets when rebooted.   | notification | system |
| <a href="#">epr-tool-error</a>                 | 175640385467449450 | Both Local and Remote | epr failed                                             | error        | system |
| <a href="#">ethernet-exceed-error</a>          | 175640385467449502 | Both Local and Remote | error exceed limit                                     | error        | system |
| <a href="#">ethernet-exceed-inq-drop</a>       | 175640385467449596 | Both Local and Remote | Ingress-Q exceed limit                                 | error        | system |
| <a href="#">fail-getting-swo-buff</a>          | 175640385467449586 | Both Local and Remote | Fail gettnq swo_buff.                                  | error        | system |
| <a href="#">failsafe-error</a>                 | 175640385467449475 | Both Local and Remote | failsafe error                                         | error        | system |
| <a href="#">failsafe-ha-err</a>                | 175640385467449511 | Both Local and Remote | Fail Safe HA Force Self Standby Status is Invalid.     | warning      | system |
| <a href="#">failsafe-timeout</a>               | 175640385467449512 | Both Local and Remote | Fail Safe action timeout.                              | warning      | system |
| <a href="#">failsafe-timestamp</a>             | 175640385467449504 | Both Local and Remote | print info                                             | error        | system |
| <a href="#">failsafe-vrrp-err</a>              | 175640385467449510 | Both Local and Remote | Fail Safe VRRP-A Force Self Standby Status is Invalid. | warning      | system |
| <a href="#">fast-aging-disabled</a>            | 175640385467449356 | Both Local and Remote | disabling fast aging                                   | critical     | system |
| <a href="#">fast-aging-half-open-threshold</a> | 175640385467449591 | Both Local and Remote | enabling fast aging for half open threshold            | critical     | system |

|                                                   |                    |                       |                                                           |              |        |
|---------------------------------------------------|--------------------|-----------------------|-----------------------------------------------------------|--------------|--------|
|                                                   |                    |                       | reached                                                   |              |        |
| <a href="#">fast-aging-memory-constraint</a>      | 175640385467449593 | Both Local and Remote | enabling fast aging for memory threshold reached          | critical     | system |
| <a href="#">fast-aging-syn-check-on-threshold</a> | 175640385467449592 | Both Local and Remote | enabling fast aging for syn check on threshold reached    | critical     | system |
| <a href="#">fast-aging-total-free-conn</a>        | 175640385467449594 | Both Local and Remote | enabling fast aging for total free conn threshold reached | critical     | system |
| <a href="#">fatal-error-access</a>                | 175640385467449364 | Both Local and Remote | Unknown Fatal error occurs                                | critical     | system |
| <a href="#">fips-notif</a>                        | 175640385467449354 | Both Local and Remote | zeroize FIPS card                                         | notification | system |
| <a href="#">fork-failed</a>                       | 175640385467449474 | Both Local and Remote | fork failed                                               | error        | system |
| <a href="#">get-license-bad-code</a>              | 175640385467449417 | Both Local and Remote | error code when getting license                           | error        | system |
| <a href="#">get-license-send-failure</a>          | 175640385467449415 | Both Local and Remote | send license message failed                               | error        | system |
| <a href="#">get-license-wrong-msg-length</a>      | 175640385467449416 | Both Local and Remote | license msg length is incorrect                           | error        | system |
| <a href="#">greater-than-threshold</a>            | 175640385467449387 | Both Local and Remote | System is greater than threshold                          | critical     | system |
| <a href="#">hdd-storage-limit</a>                 | 175640385467449385 | Both Local and Remote | Hard Drive may have reached its storage limit             | critical     | system |
| <a href="#">health-err-count</a>                  | 175640385467449585 | Both Local and Remote | IO_CHAN Health Error Count.                               | warning      | system |
| <a href="#">health-rx-count</a>                   | 175640385467449584 | Both Local and Remote | IO_CHAN Health RX Count.                                  | warning      | system |
| <a href="#">health-tx-count</a>                   | 175640385467449587 | Both Local and Remote | IO_CHAN Health TX Count.                                  | warning      | system |
| <a href="#">heartbeat-timeout</a>                 | 175640385467449569 | Both Local and Remote | There is a HeartBeat timeout .                            | notification | system |

|                                             |                    |                       |                                              |              |        |
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| <a href="#">hmon-failed-times</a>           | 175640385467449498 | Both Local and Remote | hmon failed                                  | error        | system |
| <a href="#">hmon-thread-failed</a>          | 175640385467449476 | Both Local and Remote | hmon error                                   | error        | system |
| <a href="#">hrxq-change</a>                 | 175640385467449571 | Both Local and Remote | System will Deep HRXQ when rebooted/reloaded | notification | system |
| <a href="#">idt-switch-reset</a>            | 175640385467449478 | Both Local and Remote | disk is full                                 | error        | system |
| <a href="#">ingress-pps-drop-limit</a>      | 175640385467449597 | Both Local and Remote | Pkt drop due to Ingress PPS limit            | warning      | system |
| <a href="#">init-cli-config-failure</a>     | 175640385467449378 | Both Local and Remote | Init CLI config failure                      | critical     | system |
| <a href="#">init-dns-failure</a>            | 175640385467449377 | Both Local and Remote | Init DNS of sysutil module failure           | critical     | system |
| <a href="#">init-interface-failure</a>      | 175640385467449365 | Both Local and Remote | Init interface of sysutil module failure.    | critical     | system |
| <a href="#">init-mgmt-config-failure</a>    | 175640385467449376 | Both Local and Remote | Init mgmt config of sysutil module failure   | critical     | system |
| <a href="#">init-monitor-config-failure</a> | 175640385467449380 | Both Local and Remote | Init monitor config failure                  | critical     | system |
| <a href="#">init-netutil-config-failure</a> | 175640385467449379 | Both Local and Remote | Init Netutil config failure                  | critical     | system |
| <a href="#">init-raid-config-failure</a>    | 175640385467449375 | Both Local and Remote | Init raid config of sysutil module failure   | critical     | system |
| <a href="#">init-task-table-failure</a>     | 175640385467449381 | Both Local and Remote | Init task table failure                      | critical     | system |
| <a href="#">init-time-config-failure</a>    | 175640385467449374 | Both Local and Remote | Init time config of sysutil module failure   | critical     | system |
| <a href="#">invalid-io-chan</a>             | 175640385467449583 | Both Local and Remote | Invalid IO_CHAN.                             | error        | system |
| <a href="#">invalid-msg</a>                 | 175640385467449568 | Both Local and Remote | Invalid of arguments for msg_type            | warning      | system |
|                                             |                    | Both Local and        |                                              |              |        |

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| <a href="#">invalid-option</a>            | 175640385467449472 | Remote                | invalid option                                         | error        | system |
| <a href="#">invalid-username-length</a>   | 175640385467449468 | Both Local and Remote | ipassword failure                                      | error        | system |
| <a href="#">io-core</a>                   | 175640385467449351 | Both Local and Remote | System IO core Configuration changed                   | information  | system |
| <a href="#">ip-got-dhcp</a>               | 175640385467449540 | Both Local and Remote | A lease IP is gotten from DHCP server                  | information  | system |
| <a href="#">ip-renew-dhcp</a>             | 175640385467449541 | Both Local and Remote | A lease IP is renewed                                  | information  | system |
| <a href="#">lb-process-dead-rebooting</a> | 175640385467449393 | Both Local and Remote | LB process not responding. Rebooting AX.               | critical     | system |
| <a href="#">link-startup-config</a>       | 175640385467449533 | Both Local and Remote | Link startup-config to profil                          | information  | system |
| <a href="#">log-rotate-fail</a>           | 175640385467449561 | Both Local and Remote | Fail to rotate logs to save disk space                 | warning      | system |
| <a href="#">lower-than-threshold</a>      | 175640385467449388 | Both Local and Remote | System is lesser than threshold                        | critical     | system |
| <a href="#">malloc-fail-env</a>           | 175640385467449523 | Both Local and Remote | Cannot malloc                                          | warning      | system |
| <a href="#">many-ports</a>                | 175640385467449543 | Both Local and Remote | Too many ports were specified.                         | information  | system |
| <a href="#">many-proxy-ports</a>          | 175640385467449542 | Both Local and Remote | Too many radius proxy ports were specified.            | information  | system |
| <a href="#">many-serv-ports</a>           | 175640385467449544 | Both Local and Remote | Too many service ports were specified.                 | information  | system |
| <a href="#">master-operation</a>          | 175640385467449549 | Both Local and Remote | Master Went to Operational Phase                       | information  | system |
| <a href="#">memory-used</a>               | 175640385467449390 | Both Local and Remote | The memory has been used                               | critical     | system |
| <a href="#">mgmt-drop</a>                 | 175640385467449574 | Both Local and Remote | Broadcast packets on mgmt port exceeded the rate limit | notification | system |
|                                           |                    |                       |                                                        |              |        |



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|---------------------------------------|--------------------|-----------------------|----------------------------------------------|--------------|--------|
| <a href="#">mgmt-port</a>             | 175640385467449346 | Both Local and Remote | System management port Configuration changed | information  | system |
| <a href="#">mgmt-reset-drop</a>       | 175640385467449576 | Both Local and Remote | dropped broadcast mgmt was reset.            | notification | system |
| <a href="#">mgmt-zero-drop</a>        | 175640385467449575 | Both Local and Remote | dropped broadcast mgmt was reset to 0.       | notification | system |
| <a href="#">missed-health-packets</a> | 175640385467449588 | Both Local and Remote | FPGA channel missed health packets.          | error        | system |
| <a href="#">mmap-fail</a>             | 175640385467449519 | Both Local and Remote | mmap file                                    | warning      | system |
| <a href="#">mon-hw-fan-fail</a>       | 175640385467449396 | Both Local and Remote | FAN Failed                                   | critical     | system |
| <a href="#">mon-hw-power-status</a>   | 175640385467449399 | Both Local and Remote | SYSTEM Power Status                          | critical     | system |
| <a href="#">mon-hw-power-voltage</a>  | 175640385467449400 | Both Local and Remote | SYSTEM Power Voltage                         | critical     | system |
| <a href="#">mon-hw-sys-temp</a>       | 175640385467449397 | Both Local and Remote | SYSTEM Temperature Out Of Range              | critical     | system |
| <a href="#">mon-hw-treshold</a>       | 175640385467449398 | Both Local and Remote | SYSTEM Value Over Threshold                  | critical     | system |
| <a href="#">mon-process</a>           | 175640385467449551 | Both Local and Remote | System monitor process started/stopped.      | information  | system |
| <a href="#">mon_hw_mon_threshold</a>  | 175640385467449392 | Both Local and Remote | SYSTEM Monitoring Treshold                   | critical     | system |
| <a href="#">no-ip-address</a>         | 175640385467449443 | Both Local and Remote | missing ip address                           | error        | system |
| <a href="#">no-self</a>               | 175640385467449535 | Both Local and Remote | Do not self                                  | information  | system |
| <a href="#">no-serv-ports</a>         | 175640385467449545 | Both Local and Remote | None of service ports were specified.        | information  | system |
| <a href="#">ntp-not-reachable</a>     | 175640385467449496 | Both Local and Remote | ntp failed                                   | error        | system |
|                                       |                    | Both Local and Remote | NTP server is in polling                     |              |        |

|                                        |                    |                       |                                                                       |             |        |
|----------------------------------------|--------------------|-----------------------|-----------------------------------------------------------------------|-------------|--------|
| <a href="#">ntp-polling</a>            | 175640385467449559 | Remote                | state                                                                 | information | system |
| <a href="#">ntp-reachable</a>          | 175640385467449558 | Both Local and Remote | NTP server is reachable                                               | information | system |
| <a href="#">ntp-server-sync</a>        | 175640385467449404 | Both Local and Remote | NTP server is in sync with system                                     | information | system |
| <a href="#">ntp-set-time-hard</a>      | 175640385467449556 | Both Local and Remote | No NTP server defined. Setting time source to hardware calendar       | information | system |
| <a href="#">ntp-set-time-hard-fail</a> | 175640385467449557 | Both Local and Remote | No NTP server defined. Failed to set time source to hardware calendar | information | system |
| <a href="#">ntp-status-unknown</a>     | 175640385467449497 | Both Local and Remote | ntp failed                                                            | error       | system |
| <a href="#">open-session-failed</a>    | 175640385467449516 | Both Local and Remote | Cannot open more sessions.                                            | warning     | system |
| <a href="#">open-sys-file-error</a>    | 175640385467449484 | Both Local and Remote | open file failed                                                      | error       | system |
| <a href="#">pkt-drop-limit</a>         | 175640385467449527 | Both Local and Remote | Pkt drop due to bandwidth limit                                       | warning     | system |
| <a href="#">poll-mode</a>              | 175640385467449347 | Both Local and Remote | System management poll mode Configuration changed                     | information | system |
| <a href="#">power-invalid-status</a>   | 175640385467449599 | Both Local and Remote | System detected power supplies are not in valid status                | warning     | system |
| <a href="#">power-recover</a>          | 175640385467449563 | Both Local and Remote | System recovered in power supplies.                                   | information | system |
| <a href="#">process-die</a>            | 175640385467449573 | Both Local and Remote | Detected process death                                                | warning     | system |
| <a href="#">process-dsiable</a>        | 175640385467449565 | Both Local and Remote | Process is disabled and stop it                                       | information | system |
| <a href="#">process-restart-error</a>  | 175640385467449507 | Both Local and Remote | process restart failed                                                | error       | system |

|                                                |                    |                       |                                            |             |        |
|------------------------------------------------|--------------------|-----------------------|--------------------------------------------|-------------|--------|
| <a href="#">process-signal-fail</a>            | 175640385467449528 | Both Local and Remote | send signal failure                        | warning     | system |
| <a href="#">process-start</a>                  | 175640385467449567 | Both Local and Remote | The processes of module started/stopped    | information | system |
| <a href="#">prod-oem-file-missing</a>          | 175640385467449445 | Both Local and Remote | OEM file error                             | error       | system |
| <a href="#">prof-link-failed</a>               | 175640385467449358 | Both Local and Remote | Failed to link profile to startup-config   | critical    | system |
| <a href="#">prof-parse-err</a>                 | 175640385467449357 | Both Local and Remote | parse error from profile                   | critical    | system |
| <a href="#">public-key-size</a>                | 175640385467449482 | Both Local and Remote | key size error                             | error       | system |
| <a href="#">read-only-mount</a>                | 175640385467449386 | Both Local and Remote | File system is mounted READ ONLY           | critical    | system |
| <a href="#">reboot-blade-failed</a>            | 175640385467449451 | Both Local and Remote | reboot failed                              | error       | system |
| <a href="#">reboot-count-file-access-error</a> | 175640385467449453 | Both Local and Remote | access file failed                         | error       | system |
| <a href="#">reboot-count-file-size-error</a>   | 175640385467449454 | Both Local and Remote | file size error                            | error       | system |
| <a href="#">reboot-file-open-error</a>         | 175640385467449455 | Both Local and Remote | open file error                            | error       | system |
| <a href="#">reboot-fork-failure</a>            | 175640385467449467 | Both Local and Remote | fork failed                                | error       | system |
| <a href="#">reboot-shutdown-failure</a>        | 175640385467449483 | Both Local and Remote | system failure                             | error       | system |
| <a href="#">reload-chm</a>                     | 175640385467449552 | Both Local and Remote | reloaded from call chm_api_reload executed | information | system |
| <a href="#">reload-configure-error</a>         | 175640385467449465 | Both Local and Remote | reload failed                              | error       | system |
| <a href="#">reload-schedule-error</a>          | 175640385467449466 | Both Local and Remote | reload failed                              | error       | system |
|                                                |                    | Both Local and Remote | ACOS has reloaded                          |             |        |

|                                                  |                    |                       |                                                                               |             |        |
|--------------------------------------------------|--------------------|-----------------------|-------------------------------------------------------------------------------|-------------|--------|
| <a href="#">reload-succed</a>                    | 175640385467449538 | Remote                | successfully.                                                                 | information | system |
| <a href="#">remove-file-fail</a>                 | 175640385467449589 | Both Local and Remote | remove file failed                                                            | error       | system |
| <a href="#">remove-interface-mapping-failure</a> | 175640385467449414 | Both Local and Remote | remove file failed                                                            | error       | system |
| <a href="#">rename-sys-file-error</a>            | 175640385467449486 | Both Local and Remote | rename file failed                                                            | error       | system |
| <a href="#">restore-config-failed</a>            | 175640385467449505 | Both Local and Remote | restore failed                                                                | error       | system |
| <a href="#">save-config-failed</a>               | 175640385467449494 | Both Local and Remote | save file failed                                                              | error       | system |
| <a href="#">save-interface-mapping-failure</a>   | 175640385467449412 | Both Local and Remote | save inteface mapping failed                                                  | error       | system |
| <a href="#">save-sys-file-failure</a>            | 175640385467449411 | Both Local and Remote | save timezone file failed                                                     | error       | system |
| <a href="#">sb-forced-open-file-error</a>        | 175640385467449448 | Both Local and Remote | open file failure                                                             | error       | system |
| <a href="#">sb-forced-process-file-error</a>     | 175640385467449449 | Both Local and Remote | process file failure                                                          | error       | system |
| <a href="#">schedule-reboot</a>                  | 175640385467449536 | Both Local and Remote | Scheduledreboot .                                                             | information | system |
| <a href="#">schedule-reboot-cancel</a>           | 175640385467449537 | Both Local and Remote | ACOS schedule cancelled.                                                      | information | system |
| <a href="#">scp-succeed</a>                      | 175640385467449530 | Both Local and Remote | Scp successfully.                                                             | information | system |
| <a href="#">sess-limit-fail</a>                  | 175640385467449554 | Both Local and Remote | Cannot set session limit to which is less than the number of active sessions. | information | system |
| <a href="#">sess-timeout</a>                     | 175640385467449555 | Both Local and Remote | Session timed out                                                             | information | system |
| <a href="#">set-boot-image</a>                   | 175640385467449539 | Both Local and Remote | Set next HD/CF boot from image                                                | information | system |

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| <a href="#">set-time-source-failed</a> | 175640385467449495 | Both Local and Remote | process file failed                                    | error        | system |
| <a href="#">signal-process</a>         | 175640385467449560 | Both Local and Remote | Received SIGHUP signal from process                    | warning      | system |
| <a href="#">single-board-enable</a>    | 175640385467449547 | Both Local and Remote | Single Board Mode Enabled                              | information  | system |
| <a href="#">smime-send-failed</a>      | 175640385467449363 | Both Local and Remote | Failed to send smime mail.                             | critical     | system |
| <a href="#">sn-oem-file-missing</a>    | 175640385467449446 | Both Local and Remote | OEM file error                                         | error        | system |
| <a href="#">socket-failed</a>          | 175640385467449487 | Both Local and Remote | socket error                                           | error        | system |
| <a href="#">spe-change</a>             | 175640385467449570 | Both Local and Remote | System will run the SPE profile when rebooted/reloaded | notification | system |
| <a href="#">spe-set</a>                | 175640385467449572 | Both Local and Remote | Setting up SPE profile                                 | notification | system |
| <a href="#">ssh-auth-set</a>           | 175640385467449553 | Both Local and Remote | set SSH_AUTH_SOCK                                      | information  | system |
| <a href="#">stat-insufficient-disk</a> | 175640385467449405 | Both Local and Remote | Insufficient disk space                                | warning      | system |
| <a href="#">stop-rr-cpu</a>            | 175640385467449513 | Both Local and Remote | Stopped round robin on packets to data CPU             | warning      | system |
| <a href="#">su_SCPFile-failed</a>      | 175640385467449491 | Both Local and Remote | scp failed                                             | error        | system |
| <a href="#">su_SFTPFile-failed</a>     | 175640385467449490 | Both Local and Remote | sftp failed                                            | error        | system |
| <a href="#">sys-temperature-failed</a> | 175640385467449520 | Both Local and Remote | System temperature sw state change failed              | warning      | system |
| <a href="#">system-reboot-failed</a>   | 175640385467449362 | Both Local and Remote | System reboot failed                                   | critical     | system |
| <a href="#">system-reboot-failure</a>  | 175640385467449401 | Both Local and Remote | System reboot failure                                  | critical     | system |
|                                        |                    | Both Local and        |                                                        |              |        |

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|------------------------------------------|--------------------|-----------------------|---------------------------------------------------------------|--------------|--------------------|
| <a href="#">system-shutdown-failed</a>   | 175640385467449360 | Remote                | System shutdown failed                                        | critical     | system             |
| <a href="#">system-shutdown-failure</a>  | 175640385467449384 | Both Local and Remote | System shutdown failure                                       | critical     | system             |
| <a href="#">sysutil-interface-failed</a> | 175640385467449460 | Both Local and Remote | module exit failure                                           | error        | system             |
| <a href="#">sysutil-session-failed</a>   | 175640385467449461 | Both Local and Remote | module exit failure                                           | error        | system             |
| <a href="#">tar-return-error</a>         | 175640385467449503 | Both Local and Remote | file format wrong                                             | error        | system             |
| <a href="#">temp-recover</a>             | 175640385467449564 | Both Local and Remote | System recovered and now within acceptable temperature range. | warning      | system             |
| <a href="#">temp-val</a>                 | 175640385467449562 | Both Local and Remote | temprature value info                                         | warning      | system             |
| <a href="#">time-sync-conf-failed</a>    | 175640385467449382 | Both Local and Remote | Failed to get time sync conf                                  | critical     | system             |
| <a href="#">time-sync-thread-failed</a>  | 175640385467449595 | Both Local and Remote | Failed to start time sync thread                              | critical     | system             |
| <a href="#">update-if-err</a>            | 175640385467449501 | Both Local and Remote | update interface failed                                       | error        | system             |
| <a href="#">upgrade-no-space-error</a>   | 175640385467449444 | Both Local and Remote | disk space calculate error                                    | error        | system             |
| <a href="#">user-session-opened</a>      | 175640385467449406 | Both Local and Remote | A session for user has been opened                            | notification | system             |
| <a href="#">vrrp-timer-err</a>           | 175640385467449509 | Both Local and Remote | VRRP-A send_adv timer on invalid parid                        | warning      | system             |
| <a href="#">web-server-restart</a>       | 175640385467449546 | Both Local and Remote | Web server is restarted due to http port changes              | information  | system             |
| <a href="#">write-sys-file-error</a>     | 175640385467449485 | Both Local and Remote | write file failed                                             | error        | system             |
| <a href="#">cps-threshold</a>            | 177188497839357954 | Both Local and Remote | Connections Per Second (CPS) threshold exceeded               | information  | system.apps-global |

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| <a href="#">sessions-threshold</a>        | 177188497839357953 | Both Local and Remote | Number of Sessions threshold exceeded                                 | information | system.apps-global    |
| <a href="#">icmp_exceed</a>               | 176484810397581313 | Both Local and Remote | ICMP packet rate limit exceeded, Drop all packets for lockup period   | information | system.icmp           |
| <a href="#">icmp_exceed</a>               | 176502402583625729 | Both Local and Remote | ICMPv6 packet rate limit exceeded, Drop all packets for lockup period | information | system.icmp6          |
| <a href="#">entry_added_v4</a>            | 177434788443979777 | Both Local and Remote | IP-ThreatList added entry for IPv4                                    | information | system.ip-threat-list |
| <a href="#">entry_added_v6</a>            | 177434788443979778 | Both Local and Remote | IP-ThreatList added entry for IPv6                                    | information | system.ip-threat-list |
| <a href="#">entry_removed_v4</a>          | 177434788443979779 | Both Local and Remote | IP-ThreatList removed entry for IPv4                                  | information | system.ip-threat-list |
| <a href="#">entry_removed_v6</a>          | 177434788443979780 | Both Local and Remote | IP-ThreatList removed entry for IPv6                                  | information | system.ip-threat-list |
| <a href="#">mc-watchdog-fail</a>          | 176308888537137154 | Both Local and Remote | ipmitool mc watchdog failed                                           | error       | system.ipmi           |
| <a href="#">sel-time-get-fail</a>         | 176308888537137155 | Both Local and Remote | ipmitool sel time failed                                              | error       | system.ipmi           |
| <a href="#">sel-time-set-fail</a>         | 176308888537137160 | Both Local and Remote | ipmitool sel time failed                                              | error       | system.ipmi           |
| <a href="#">set-flash-interval-fail</a>   | 176308888537137161 | Both Local and Remote | ipmitool flash check failed                                           | error       | system.ipmi           |
| <a href="#">set-flash-interval-fail-1</a> | 176308888537137162 | Both Local and Remote | ipmitool flash check failed                                           | error       | system.ipmi           |
| <a href="#">set-reset-interval-fail</a>   | 176308888537137166 | Both Local and Remote | ipmitool reset failed                                                 | error       | system.ipmi           |
| <a href="#">set-ssd-interval-fail</a>     | 176308888537137163 | Both Local and Remote | ipmitool ssd check failed                                             | error       | system.ipmi           |
| <a href="#">set-ssd-interval-fail-1</a>   | 176308888537137164 | Both Local and Remote | ipmitool ssd check failed                                             | error       | system.ipmi           |
|                                           |                    | Both Local and Remote | ipmitool flash check                                                  |             |                       |

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|------------------------------------------------|--------------------|-----------------------|-------------------------------------------|-------------|------------------------------|
| <a href="#">show-flash-interval-fail</a>       | 176308888537137157 | Remote                | failed                                    | error       | system.ipmi                  |
| <a href="#">show-reset-interval-fail</a>       | 176308888537137156 | Both Local and Remote | ipmitool reset interval failed            | error       | system.ipmi                  |
| <a href="#">show-ssd-interval-fail</a>         | 176308888537137158 | Both Local and Remote | ipmitool ssd check failed                 | error       | system.ipmi                  |
| <a href="#">show-suppress-interval-fail</a>    | 176308888537137159 | Both Local and Remote | ipmitool suppress failed                  | error       | system.ipmi                  |
| <a href="#">watchdog-init-countdown-fail</a>   | 176308888537137167 | Both Local and Remote | ipmitool watchdog failed                  | error       | system.ipmi                  |
| <a href="#">watchdog-init-pre-timeout-fail</a> | 176308888537137168 | Both Local and Remote | ipmitool watchdog failed                  | error       | system.ipmi                  |
| <a href="#">already-free</a>                   | 176027413560426500 | Both Local and Remote | Memory already freed                      | error       | system.memory                |
| <a href="#">cache-not-found</a>                | 176027413560426501 | Both Local and Remote | cache chunk not found                     | error       | system.memory                |
| <a href="#">entry-not-found</a>                | 176027413560426503 | Both Local and Remote | entry not found                           | error       | system.memory                |
| <a href="#">rezone-violation</a>               | 176027413560426505 | Both Local and Remote | memory rezone failure                     | error       | system.memory                |
| <a href="#">size-big</a>                       | 176027413560426504 | Both Local and Remote | size error                                | error       | system.memory                |
| <a href="#">wrong-magic</a>                    | 176027413560426502 | Both Local and Remote | wrong magic                               | error       | system.memory                |
| <a href="#">wrong-trailer</a>                  | 176027413560426498 | Both Local and Remote | Wrong trailer from cache free             | error       | system.memory                |
| <a href="#">wrong-trailer-addendum</a>         | 176027413560426499 | Both Local and Remote | Wrong trailer addendum during memory free | error       | system.memory                |
| <a href="#">info</a>                           | 177557933746290689 | Both Local and Remote | port configure changed                    | information | system.probe-network-devices |
| <a href="#">access-challenge</a>               | 176995258670776335 | Both Local and Remote | RADIUS access-challenge missing state     | error       | system.radius.server         |
| <a href="#">bind-fail</a>                      | 176995258670776326 | Both Local and Remote | Radius authenticate                       | error       | system.radius.server         |



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|--------------------------------|--------------------|-----------------------|------------------------------------------------------|-------------|----------------------|
|                                |                    | Remote                | bind failed                                          |             |                      |
| <a href="#">id-not-match</a>   | 176995258670776332 | Both Local and Remote | Response packet ID does not match                    | warning     | system.radius.server |
| <a href="#">ignor-dup</a>      | 176995258670776334 | Both Local and Remote | ignoring duplicate client id                         | warning     | system.radius.server |
| <a href="#">missing-a10</a>    | 176995258670776336 | Both Local and Remote | System doesn't get the A10 specific attribute        | error       | system.radius.server |
| <a href="#">missing-config</a> | 176995258670776321 | Both Local and Remote | Could not get radius server configuration            | error       | system.radius.server |
| <a href="#">missing-mem</a>    | 176995258670776322 | Both Local and Remote | Could not get memory                                 | error       | system.radius.server |
| <a href="#">missing-priv</a>   | 176995258670776338 | Both Local and Remote | System doesn't get the A10-Admin-Privilege attribute | information | system.radius.server |
| <a href="#">nas-ip-fail</a>    | 176995258670776324 | Both Local and Remote | Look up NAS-IP-Address failed                        | warning     | system.radius.server |
| <a href="#">no-reponse</a>     | 176995258670776327 | Both Local and Remote | RADIUS server failed to respond                      | error       | system.radius.server |
| <a href="#">none</a>           | 176995258670776323 | Both Local and Remote | Could not get radius server                          | error       | system.radius.server |
| <a href="#">none-reponse</a>   | 176995258670776333 | Both Local and Remote | All RADIUS server failed to respond                  | error       | system.radius.server |
| <a href="#">pkt-corrupt</a>    | 176995258670776330 | Both Local and Remote | RADIUS packet is corrupted                           | error       | system.radius.server |
| <a href="#">reading-err</a>    | 176995258670776329 | Both Local and Remote | Error reading for response from RADIUS server        | error       | system.radius.server |
| <a href="#">snd-pkt-err</a>    | 176995258670776325 | Both Local and Remote | Error sending RADIUS packet to server                | error       | system.radius.server |
| <a href="#">vendor-info</a>    | 176995258670776337 | Both Local and Remote | System gets the vendor specific attribute            | information | system.radius.server |
| <a href="#">verify-fail</a>    | 176995258670776331 | Both Local and Remote | RADIUS packet fails verification                     | error       | system.radius.server |
|                                |                    |                       | Verification of                                      |             |                      |

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| <a href="#">verify-message-auth</a>       | 176995258670776339 | Both Local and Remote | Message-Authenticator attribute failed                  | error        | system.radius.server      |
| <a href="#">waiting-err</a>               | 176995258670776328 | Both Local and Remote | Error waiting for response from RADIUS server           | error        | system.radius.server      |
| <a href="#">info</a>                      | 177469972816068609 | Both Local and Remote | Number of Descriptor size per queue for port changed    | information  | system.set-rxtx-desc-size |
| <a href="#">info</a>                      | 177487565002113025 | Both Local and Remote | Number of Queues per port changed                       | information  | system.set-rxtx-queue     |
| <a href="#">mismatch-correction</a>       | 177892185281134594 | Both Local and Remote | ARP/ND6/IPv4 FIB/IPv6 FIB/MAC table mismatch correction | notification | system.table-integrity    |
| <a href="#">mismatch-error</a>            | 177892185281134593 | Both Local and Remote | ARP/ND6/IPv4 FIB/IPv6 FIB/MAC table mismatch            | error        | system.table-integrity    |
| <a href="#">ftp-abnormal-failed</a>       | 177417196257935363 | Both Local and Remote | ftp failed                                              | error        | system.timeout-value      |
| <a href="#">ftp-failed</a>                | 177417196257935385 | Both Local and Remote | ftp failed                                              | error        | system.timeout-value      |
| <a href="#">ftp-open-nectrc-failed</a>    | 177417196257935361 | Both Local and Remote | open ftp file failed                                    | error        | system.timeout-value      |
| <a href="#">ftp-write-nectrc-failed</a>   | 177417196257935362 | Both Local and Remote | write ftp file failed                                   | error        | system.timeout-value      |
| <a href="#">insufficient-disk-space</a>   | 177417196257935364 | Both Local and Remote | disk is full                                            | error        | system.timeout-value      |
| <a href="#">scp-abnormal-failed</a>       | 177417196257935380 | Both Local and Remote | scp failed                                              | error        | system.timeout-value      |
| <a href="#">scp-file-permission-error</a> | 177417196257935383 | Both Local and Remote | scp file error                                          | error        | system.timeout-value      |
| <a href="#">scp-no-space-error</a>        | 177417196257935384 | Both Local and Remote | disk is full                                            | error        | system.timeout-value      |
| <a href="#">scp-password-error</a>        | 177417196257935381 | Both Local and Remote | scp failed                                              | error        | system.timeout-value      |

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| <a href="#">scp-su_SCPFile-exit</a>        | 177417196257935379 | Both Local and Remote | process exit                                                        | error | system.timeout-value |
| <a href="#">scp-timeout-error</a>          | 177417196257935382 | Both Local and Remote | scp timeout                                                         | error | system.timeout-value |
| <a href="#">scp-transfer-failed-status</a> | 177417196257935378 | Both Local and Remote | scp failed                                                          | error | system.timeout-value |
| <a href="#">sftp-abnormal-failed</a>       | 177417196257935373 | Both Local and Remote | sftp failed                                                         | error | system.timeout-value |
| <a href="#">sftp-file-permission-error</a> | 177417196257935376 | Both Local and Remote | sftp failed                                                         | error | system.timeout-value |
| <a href="#">sftp-no-space-error</a>        | 177417196257935377 | Both Local and Remote | disk is full                                                        | error | system.timeout-value |
| <a href="#">sftp-password-error</a>        | 177417196257935374 | Both Local and Remote | sftp failed                                                         | error | system.timeout-value |
| <a href="#">sftp-timeout-error</a>         | 177417196257935375 | Both Local and Remote | sftp timeout                                                        | error | system.timeout-value |
| <a href="#">system-fread-error</a>         | 177417196257935370 | Both Local and Remote | fread failed                                                        | error | system.timeout-value |
| <a href="#">tftp-abnormal-failed</a>       | 177417196257935365 | Both Local and Remote | tftp failed                                                         | error | system.timeout-value |
| <a href="#">tftp-communication-error</a>   | 177417196257935368 | Both Local and Remote | tftp failed                                                         | error | system.timeout-value |
| <a href="#">tftp-failed-status</a>         | 177417196257935386 | Both Local and Remote | tftp failed                                                         | error | system.timeout-value |
| <a href="#">tftp-local-error</a>           | 177417196257935371 | Both Local and Remote | tftp local error (out of memory, can't create/read file, and so on) | error | system.timeout-value |
| <a href="#">tftp-network-error</a>         | 177417196257935369 | Both Local and Remote | tftp failed                                                         | error | system.timeout-value |
| <a href="#">tftp-rec-error</a>             | 177417196257935372 | Both Local and Remote | received some kind of error (like access denied).                   | error | system.timeout-value |
| <a href="#">tftp-timeout-error</a>         | 177417196257935367 | Both Local and Remote | tftp timeout                                                        | error | system.timeout-value |

| Remote                           |                    |                       |                                                              |              |                      |
|----------------------------------|--------------------|-----------------------|--------------------------------------------------------------|--------------|----------------------|
| <a href="#">tftp-usage-error</a> | 177417196257935366 | Both Local and Remote | tftp failed                                                  | error        | system.timeout-value |
| <a href="#">Unkown-author</a>    | 396316767208603657 | Both Local and Remote | Unkown authorization method                                  | error        | tacacs-server        |
| <a href="#">auth-fail</a>        | 396316767208603658 | Both Local and Remote | authorization failed with TACACS+ server                     | error        | tacacs-server        |
| <a href="#">bind-info</a>        | 396316767208603649 | Both Local and Remote | tacacs server bind                                           | information  | tacacs-server        |
| <a href="#">conn-err</a>         | 396316767208603653 | Both Local and Remote | Connection error with TACACS                                 | error        | tacacs-server        |
| <a href="#">down</a>             | 396316767208603672 | Both Local and Remote | tacacs server is down                                        | warning      | tacacs-server        |
| <a href="#">error-receive</a>    | 396316767208603665 | Both Local and Remote | Error receiving TACACS+ Authorization RESPONSE from server   | error        | tacacs-server        |
| <a href="#">error-send</a>       | 396316767208603664 | Both Local and Remote | Error sending TACACS+ Authorization REQUEST packet to server | error        | tacacs-server        |
| <a href="#">fail-auth-debug</a>  | 396316767208603670 | Both Local and Remote | Fail to get authorization debug level                        | error        | tacacs-server        |
| <a href="#">fail-auth-method</a> | 396316767208603669 | Both Local and Remote | Fail to get authorization methods                            | error        | tacacs-server        |
| <a href="#">fail-get-server</a>  | 396316767208603666 | Both Local and Remote | Fail to get TACACS+ servers                                  | error        | tacacs-server        |
| <a href="#">fallback-mgmt</a>    | 396316767208603673 | Both Local and Remote | TACACS+ Connection fallback to mgmt interface                | information  | tacacs-server        |
| <a href="#">get-address-fail</a> | 396316767208603652 | Both Local and Remote | tacacs server get address fail                               | notification | tacacs-server        |
| <a href="#">invalid-status</a>   | 396316767208603663 | Both Local and Remote | Invalid RESPONSE status from TACACS+                         | error        | tacacs-server        |

|                                   |                    | Remote                | server                                                             |              |               |
|-----------------------------------|--------------------|-----------------------|--------------------------------------------------------------------|--------------|---------------|
| <a href="#">msg</a>               | 396316767208603660 | Both Local and Remote | RESPONSE server message                                            | error        | tacacs-server |
| <a href="#">no-auth-method</a>    | 396316767208603661 | Both Local and Remote | RESPONSE data field MUST contain alternative authorization method  | error        | tacacs-server |
| <a href="#">no-character</a>      | 396316767208603655 | Both Local and Remote | tacplus_shell_parse No characters are found on command line        | error        | tacacs-server |
| <a href="#">no-memory</a>         | 396316767208603654 | Both Local and Remote | insufficient memory space                                          | error        | tacacs-server |
| <a href="#">no-server-auth</a>    | 396316767208603662 | Both Local and Remote | Authorization failed, other alt auth method indicated wont be used | error        | tacacs-server |
| <a href="#">no-server-use</a>     | 396316767208603668 | Both Local and Remote | No more TACACS+ servers to use or not allowed to use               | error        | tacacs-server |
| <a href="#">parse-errorr</a>      | 396316767208603667 | Both Local and Remote | Cannot parse the command line correctly                            | error        | tacacs-server |
| <a href="#">return-status</a>     | 396316767208603659 | Both Local and Remote | TACACS+ server returns a FOLLOW status.                            | error        | tacacs-server |
| <a href="#">role-mismatch</a>     | 396316767208603650 | Both Local and Remote | tacacs role mismatch                                               | warning      | tacacs-server |
| <a href="#">unknown-auth</a>      | 396316767208603671 | Both Local and Remote | Unkown authorization method                                        | error        | tacacs-server |
| <a href="#">unrecognized-type</a> | 396316767208603656 | Both Local and Remote | unrecognized authorization type                                    | error        | tacacs-server |
| <a href="#">up</a>                | 396316767208603651 | Both Local and Remote | tacacs server is up                                                | warning      | tacacs-server |
| <a href="#">time-out</a>          | 193654783976931329 | Both Local and Remote | terminal timeout                                                   | notification | terminal      |
| <a href="#">compat-fail</a>       | 364791569817010180 | Both Local and Remote | compatibility check failed.                                        | warning      | upgrade       |

|                                           |                    |                       |                                                       |             |            |
|-------------------------------------------|--------------------|-----------------------|-------------------------------------------------------|-------------|------------|
| <a href="#">dcs-image-corrupt</a>         | 364791569817010184 | Both Local and Remote | dcs img mgmt file is corrupt by ext img upgrade       | error       | upgrade    |
| <a href="#">fail-status</a>               | 364791569817010177 | Both Local and Remote | Upgrade image is invalid                              | error       | upgrade    |
| <a href="#">integrity-fail</a>            | 364791569817010182 | Both Local and Remote | file is invalid: image integrity test failed          | error       | upgrade    |
| <a href="#">invalid-file</a>              | 364791569817010181 | Both Local and Remote | Upgrade image file is invalid.                        | error       | upgrade    |
| <a href="#">invalid-gui-img</a>           | 364791569817010185 | Both Local and Remote | Upgrade GUI image file is invalid.                    | error       | upgrade    |
| <a href="#">invalid-rollback-gui-img</a>  | 364791569817010186 | Both Local and Remote | Rollback GUI image file is invalid.                   | error       | upgrade    |
| <a href="#">old-image</a>                 | 364791569817010183 | Both Local and Remote | Upgrade image is too old for the current platform     | warning     | upgrade    |
| <a href="#">warning</a>                   | 364791569817010178 | Both Local and Remote | Upgrade exits with signals                            | warning     | upgrade    |
| <a href="#">failed-vcs-status-changed</a> | 63067986969231362  | Both Local and Remote | failed to change vcs state Logs                       | information | vcs.action |
| <a href="#">vcs-status-changed</a>        | 63067986969231361  | Both Local and Remote | vcs status changed                                    | information | vcs.action |
| <a href="#">anomaly-clear</a>             | 761108337025613827 | Both Local and Remote | Anomaly cleared for monitored entity                  | information | visibility |
| <a href="#">anomaly-det-entity</a>        | 761108337025613826 | Both Local and Remote | New anomaly detected for monitored entity             | information | visibility |
| <a href="#">anomaly-det-metric</a>        | 761108337025613825 | Both Local and Remote | New anomaly detected for a metric in monitored entity | information | visibility |
| <a href="#">dir-create-fail</a>           | 761108337025613829 | Both Local and Remote | Directory creation failed                             | error       | visibility |
| <a href="#">oom</a>                       | 761108337025613828 | Both Local and Remote | visibility module out of memory                       | error       | visibility |
| <a href="#">rl-infra-oom</a>              | 761108337025613832 | Both Local and Remote | rate limiting infra out of                            | error       | visibility |

|                                               |                    | Remote                | memory                                                     |             |             |
|-----------------------------------------------|--------------------|-----------------------|------------------------------------------------------------|-------------|-------------|
| <a href="#">session-log-enq-fail</a>          | 761108337025613831 | Both Local and Remote | Visiblty Session log enqueue fail                          | error       | visibility  |
| <a href="#">shared-job-enq-fail</a>           | 761108337025613830 | Both Local and Remote | Enqueue to Visibility shared job queue failed              | error       | visibility  |
| <a href="#">information</a>                   | 58546795155816449  | Both Local and Remote | HA VRRP-A Information Log                                  | information | vrrp-a      |
| <a href="#">vrid-adv-timer-invalid</a>        | 58740309202305035  | Both Local and Remote | VRRP-A adv timer invalid                                   | information | vrrp-a.vrid |
| <a href="#">vrid-adv-timer-pend</a>           | 58740309202305030  | Both Local and Remote | VRRP-A adv timer pending when set vrid                     | information | vrrp-a.vrid |
| <a href="#">vrid-bgp-failed</a>               | 58740309202305025  | Both Local and Remote | Notify BGP about vrid state failed                         | information | vrrp-a.vrid |
| <a href="#">vrid-config-consistency-check</a> | 58740309202305048  | Both Local and Remote | VRID related configs are different between boxes           | information | vrrp-a.vrid |
| <a href="#">vrid-discarded</a>                | 58740309202305032  | Both Local and Remote | VRRP-A discarded notify because of rate limite             | information | vrrp-a.vrid |
| <a href="#">vrid-dual-active</a>              | 58740309202305043  | Both Local and Remote | give up due to double master                               | information | vrrp-a.vrid |
| <a href="#">vrid-follower-info</a>            | 58740309202305027  | Both Local and Remote | VRID follower state info                                   | information | vrrp-a.vrid |
| <a href="#">vrid-follower-set-flag</a>        | 58740309202305029  | Both Local and Remote | Force sVRRP-A follower set active/standby flag to resource | information | vrrp-a.vrid |
| <a href="#">vrid-follower-unknown-event</a>   | 58740309202305028  | Both Local and Remote | VRRP-A follower received unknown event type                | information | vrrp-a.vrid |
| <a href="#">vrid-heartbeat-miss</a>           | 58740309202305047  | Both Local and Remote | VRRP-a VRID heartbeats missing                             | information | vrrp-a.vrid |
| <a href="#">vrid-invalid-info</a>             | 58740309202305026  | Both Local and Remote | VRRP-A vrid invalid info                                   | information | vrrp-a.vrid |
|                                               |                    | Both Local and        | VRRP-A master down                                         |             |             |

|                                                |                   |                       |                                                            |             |             |
|------------------------------------------------|-------------------|-----------------------|------------------------------------------------------------|-------------|-------------|
| <a href="#">vrid-master-down-timer-invalid</a> | 58740309202305036 | Remote                | timer invalid                                              | information | vrrp-a.vrid |
| <a href="#">vrid-master-down-timer-pend</a>    | 58740309202305031 | Both Local and Remote | VRRP-A master down timer pending when set vrid/initialized | information | vrrp-a.vrid |
| <a href="#">vrid-missing-ipv4</a>              | 58740309202305062 | Both Local and Remote | missing floating ipv4 tuple                                | information | vrrp-a.vrid |
| <a href="#">vrid-missing-ipv6</a>              | 58740309202305061 | Both Local and Remote | missing floating ipv6 tuple                                | information | vrrp-a.vrid |
| <a href="#">vrid-missing-linklocal-ipv6</a>    | 58740309202305034 | Both Local and Remote | missing link local floating ipv6 tuple                     | information | vrrp-a.vrid |
| <a href="#">vrid-send-garp</a>                 | 58740309202305037 | Both Local and Remote | VRRP-A tried to send garp on standby                       | information | vrrp-a.vrid |
| <a href="#">vrid-set-stop</a>                  | 58740309202305033 | Both Local and Remote | VRRP-A vrid stop, set stop flag                            | information | vrrp-a.vrid |
| <a href="#">vrid-start</a>                     | 58740309202305041 | Both Local and Remote | VRRP-A vrid start                                          | information | vrrp-a.vrid |
| <a href="#">vrid-state-count</a>               | 58740309202305045 | Both Local and Remote | VRRP-a VRID state changes count, to active or standby      | information | vrrp-a.vrid |
| <a href="#">vrid-state-timer-inaccurate</a>    | 58740309202305046 | Both Local and Remote | VRRP-a VRID timer is inaccurate                            | warning     | vrrp-a.vrid |
| <a href="#">vrid-stop</a>                      | 58740309202305042 | Both Local and Remote | VRRP-A vrid stop                                           | information | vrrp-a.vrid |
| <a href="#">vrid-switch-active</a>             | 58740309202305039 | Both Local and Remote | vrrp vrid switch to active                                 | information | vrrp-a.vrid |
| <a href="#">vrid-switch-standby</a>            | 58740309202305040 | Both Local and Remote | vrrp vrid switch to standby                                | information | vrrp-a.vrid |
| <a href="#">vrid-track-status</a>              | 58740309202305044 | Both Local and Remote | VRRP-a VRID tracking options state changes                 | information | vrrp-a.vrid |
| <a href="#">vrid-track-vlan</a>                | 58740309202305038 | Both Local and Remote | VRRP-A vrid track vlan timeout                             | information | vrrp-a.vrid |
| <a href="#">vrrp-destory-partition-failed</a>  | 58740309202305051 | Both Local and Remote | Wait for VRRP-A destory partition failed                   | information | vrrp-a.vrid |
|                                                |                   |                       |                                                            |             |             |



|                                              |                    |                       |                                               |              |              |
|----------------------------------------------|--------------------|-----------------------|-----------------------------------------------|--------------|--------------|
| <a href="#">vrrp-disable-failed</a>          | 58740309202305049  | Both Local and Remote | Wait for VRRP-A disable failed                | information  | vrrp-a.vrid  |
| <a href="#">vrrp-duplicate-dev-id</a>        | 58740309202305053  | Both Local and Remote | Received duplicated VRRP-A device id          | information  | vrrp-a.vrid  |
| <a href="#">vrrp-invalid-control-message</a> | 58740309202305052  | Both Local and Remote | VRRP-A invalid control message type           | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-create</a>          | 58740309202305054  | Both Local and Remote | VRRP-a session sync create on standby         | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-delete</a>          | 58740309202305055  | Both Local and Remote | VRRP-a session sync delete on standby         | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-tuple-v4-create</a> | 58740309202305056  | Both Local and Remote | VRRP-a session sync tuple program create ipv4 | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-tuple-v4-delete</a> | 58740309202305057  | Both Local and Remote | VRRP-a session sync tuple program delete ipv4 | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-tuple-v6-create</a> | 58740309202305058  | Both Local and Remote | VRRP-a session sync tuple program create ipv6 | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-tuple-v6-delete</a> | 58740309202305059  | Both Local and Remote | VRRP-a session sync tuple program ipv6        | information  | vrrp-a.vrid  |
| <a href="#">vrrp-session-tuple-wrapper</a>   | 58740309202305060  | Both Local and Remote | VRRP-a session sync tuple program wrapper     | information  | vrrp-a.vrid  |
| <a href="#">vrrp-thread-failed</a>           | 58740309202305050  | Both Local and Remote | Wait for vrrp thread quiescent state failed   | information  | vrrp-a.vrid  |
| <a href="#">modsecurity-log</a>              | 873698327709876225 | Both Local and Remote | waf-rule-set matched                          | notification | waf-rule-set |
| <a href="#">config-save</a>                  | 653039538154766338 | Both Local and Remote | Running configuration save status             | information  | write.memory |
| <a href="#">open-fail</a>                    | 653039538154766341 | Both Local and Remote | open file fail                                | error        | write.memory |
| <a href="#">status</a>                       | 653039538154766337 | Both Local and Remote | Failed to link profile                        | critical     | write.memory |
| <a href="#">updat-config-time-failure</a>    | 653039538154766339 | Both Local and Remote | Update last configuration saved               | error        | write.memory |

|                          |                    |                       |                    |       |              |
|--------------------------|--------------------|-----------------------|--------------------|-------|--------------|
|                          |                    | Remote                | time failure       |       |              |
| <a href="#">wrt-fail</a> | 653039538154766340 | Both Local and Remote | write to file fail | error | write.memory |

| Logname      | LogId                                                                                                                                              | Destination                      | Description                | Severity                       | ObjectLineage          |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------|--------------------------------|------------------------|
| aaa-rule-hit | 463890003072647177                                                                                                                                 | Remote only                      | AAA-rule is hit            | notification                   | aam.authentication.log |
| CEF          |                                                                                                                                                    |                                  |                            |                                |                        |
| Format       | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: act=\$act:%s: cs1=\$cs1:%s: cs1Label=AAA-Policy/AAA-Rule Index           |                                  |                            |                                |                        |
| Example      | proto=TCP src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 act=deny cs1=AAA-policy:aaa_policy_basic/AAA-rule 1 cs1Label=AAA-Policy/AAA-Rule Index |                                  |                            |                                |                        |
| Variable     | Type                                                                                                                                               | Value                            |                            | Description                    |                        |
| proto        | String                                                                                                                                             | TCP                              |                            | protocol                       |                        |
| src          | String                                                                                                                                             | {source_ip}                      |                            | source ip                      |                        |
| spt          | Unsigned Integer                                                                                                                                   | 1-65535                          |                            | source port                    |                        |
| dst          | String                                                                                                                                             | {destination_ip}                 |                            | destination ip                 |                        |
| dpt          | Unsigned Integer                                                                                                                                   | 1-65535                          |                            | destination port               |                        |
| act          | String                                                                                                                                             | deny<br>bypass                   |                            | action                         |                        |
| cs1          | String                                                                                                                                             | {aaa-policy_name_and_rule_index} |                            | aaa-policy name and rule index |                        |
| auth-bypass  | 463890003072647182                                                                                                                                 | Remote only                      | Authentication is bypassed | notification                   | aam.authentication.log |
| CEF          |                                                                                                                                                    |                                  |                            |                                |                        |
| Format       | cs1=\$src:%s: cs1Label=sip cn1=\$spt:%u: cn1Label=sport cs2=\$dst:%s: cs2Label=dip cn2=\$dpt:%u: cn2Label=dport cs3=\$uri:%s: cs3Label=uri         |                                  |                            |                                |                        |
| Example      | cs1=192.168.98.187 cs1Label=sip cn1=1 cn1Label=sport cs2=192.168.98.100 cs2Label=dip cn2=1 cn2Label=dport cs3=192.168.98.117:80 cs3Label=uri       |                                  |                            |                                |                        |
| SYSLOG       |                                                                                                                                                    |                                  |                            |                                |                        |
| Format       | AAM Bypass src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: uri=\$uri:%s:                                                                   |                                  |                            |                                |                        |
| Example      | AAM Bypass src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 uri=192.168.98.117:80                                                                 |                                  |                            |                                |                        |
| Variable     | Type                                                                                                                                               | Value                            |                            | Description                    |                        |
| src          | String                                                                                                                                             | {source_ip}                      |                            | source ip                      |                        |
| spt          | Unsigned Integer                                                                                                                                   | 1-65535                          |                            | source port                    |                        |
| dst          | String                                                                                                                                             | {destination_ip}                 |                            | destination ip                 |                        |
|              |                                                                                                                                                    |                                  |                            |                                |                        |

|                          |                                                                                                                                                                    |                                                                           |                                                   |                    |                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------|--------------------|------------------------|
| dpt                      | Unsigned Integer                                                                                                                                                   | 1-65535                                                                   |                                                   | destination port   |                        |
| uri                      | String                                                                                                                                                             | {uri}                                                                     |                                                   | uri                |                        |
| auth-context-get-fail    | 463890003072647186                                                                                                                                                 | Remote only                                                               | Fail to get auth context                          | warning            | aam.authentication.log |
| CEF                      |                                                                                                                                                                    |                                                                           |                                                   |                    |                        |
| Format                   | msg=\$msg:%s:                                                                                                                                                      |                                                                           |                                                   |                    |                        |
| Example                  | msg=Fail to get context                                                                                                                                            |                                                                           |                                                   |                    |                        |
| SYSLOG                   |                                                                                                                                                                    |                                                                           |                                                   |                    |                        |
| Format                   | \$msg:%s:                                                                                                                                                          |                                                                           |                                                   |                    |                        |
| Example                  | Fail to get context                                                                                                                                                |                                                                           |                                                   |                    |                        |
| Variable                 | Type                                                                                                                                                               | Value                                                                     |                                                   | Description        |                        |
| msg                      | String                                                                                                                                                             | Fail to get context                                                       |                                                   | fail message       |                        |
| auth-cookie-domain-error | 463890003072647193                                                                                                                                                 | Remote only                                                               | Cookie domain is configured incorrect in template | error              | aam.authentication.log |
| CEF                      |                                                                                                                                                                    |                                                                           |                                                   |                    |                        |
| Format                   | msg=\$msg:%s: cs1=\$tmpname:%s: cs1Label=Template Name cs2=\$cookiedomain:%s: cs2Label=Cookie Domain Name                                                          |                                                                           |                                                   |                    |                        |
| Example                  | msg=[AUTH] template configures cookie domain as a TLD or public suffix domain cs1=template_basic cs1Label=Template Name cs2=A10.com.tw cs2Label=Cookie Domain Name |                                                                           |                                                   |                    |                        |
| SYSLOG                   |                                                                                                                                                                    |                                                                           |                                                   |                    |                        |
| Format                   | \$msg:%s: template_name=\$tempname:%s: cookie_domain_name=\$cookiedomain:%s:                                                                                       |                                                                           |                                                   |                    |                        |
| Example                  | [AUTH] template configures cookie domain as a TLD or public suffix domain template_name=template_basic cookie_domain_name=A10.com.tw                               |                                                                           |                                                   |                    |                        |
| Variable                 | Type                                                                                                                                                               | Value                                                                     |                                                   | Description        |                        |
| msg                      | String                                                                                                                                                             | [AUTH] template configures cookie domain as a TLD or public suffix domain |                                                   | auth error message |                        |
| tmpname                  | String                                                                                                                                                             | {template_name}                                                           |                                                   | template name      |                        |
| cookiedomain             | String                                                                                                                                                             | {cookie_domain_name}                                                      |                                                   | cookie domain name |                        |
| tempname                 | String                                                                                                                                                             | {template_name}                                                           |                                                   | template name      |                        |
| auth-failure-bypass      | 463890003072647183                                                                                                                                                 | Remote only                                                               | Authentication failure bypass is triggered        | notification       | aam.authentication.log |
|                          |                                                                                                                                                                    |                                                                           |                                                   |                    |                        |

| CEF                    |                                                                                                                                                                                                                                 |                                                                     |                                  |                  |                        |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|------------------|------------------------|
| Format                 | cs1=\$src:%s: cs1Label=sip cn1=\$spt:%u: cn1Label=sport cs2=\$dst:%s: cs2Label=dip cn2=\$dpt:%u: cn2Label=dport cs3=\$user:%s: cs3Label=user cs4=\$aaapolicy:%s: cs4Label=aaa-policy name cn3=\$idx:%u: cn3Label=aaa-rule index |                                                                     |                                  |                  |                        |
| Example                | cs1=192.168.98.187 cs1Label=sip cn1=1 cn1Label=sport cs2=192.168.98.100 cs2Label=dip cn2=1 cn2Label=dport cs3=jelly123 cs3Label=user cs4=aaa_policy_ldap cs4Label=aaa-policy name cn3=1 cn3Label=aaa-rule index                 |                                                                     |                                  |                  |                        |
| SYSLOG                 |                                                                                                                                                                                                                                 |                                                                     |                                  |                  |                        |
| Format                 | AAM Failure Bypass src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: user=\$user:%s: aaa-policy name=\$aaapolicy:%s: aaa-rule index=\$idx:%u:                                                                             |                                                                     |                                  |                  |                        |
| Example                | AAM Failure Bypass src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 user=jelly123 aaa-policy name=aaa_policy_ldap aaa-rule index=1                                                                                             |                                                                     |                                  |                  |                        |
| Variable               | Type                                                                                                                                                                                                                            | Value                                                               |                                  | Description      |                        |
| src                    | String                                                                                                                                                                                                                          | {source_ip}                                                         |                                  | source ip        |                        |
| spt                    | Unsigned Integer                                                                                                                                                                                                                | 1-65535                                                             |                                  | source port      |                        |
| dst                    | String                                                                                                                                                                                                                          | {destination_ip}                                                    |                                  | destination ip   |                        |
| dpt                    | Unsigned Integer                                                                                                                                                                                                                | 1-65535                                                             |                                  | destination port |                        |
| user                   | String                                                                                                                                                                                                                          | {user_name}                                                         |                                  | user name        |                        |
| aaapolicy              | String                                                                                                                                                                                                                          | {aaa-policy_name}                                                   |                                  | aaa-policy name  |                        |
| idx                    | Unsigned Integer                                                                                                                                                                                                                | {aaa_rule_index}                                                    |                                  | aaa rule index   |                        |
| auth-huge-ntlm-msg-rec | 463890003072647189                                                                                                                                                                                                              | Remote only                                                         | Receive unexpected huge NTLM msg | warning          | aam.authentication.log |
| CEF                    |                                                                                                                                                                                                                                 |                                                                     |                                  |                  |                        |
| Format                 | msg=\$msg:%s: cs1=\$cs1:%u: cs1Label=Packet Size                                                                                                                                                                                |                                                                     |                                  |                  |                        |
| Example                | msg=An unexpected huge ntlm type2 message is received. Stop ntlm relay. cs1=51223 cs1Label=Packet Size                                                                                                                          |                                                                     |                                  |                  |                        |
| SYSLOG                 |                                                                                                                                                                                                                                 |                                                                     |                                  |                  |                        |
| Format                 | \$msg:%s: packet_size=\$packet_size:%u:                                                                                                                                                                                         |                                                                     |                                  |                  |                        |
| Example                | An unexpected huge ntlm type2 message is received. Stop ntlm relay. packet_size=51223                                                                                                                                           |                                                                     |                                  |                  |                        |
| Variable               | Type                                                                                                                                                                                                                            | Value                                                               |                                  | Description      |                        |
| msg                    | String                                                                                                                                                                                                                          | An unexpected huge ntlm type2 message is received. Stop ntlm relay. |                                  | error message    |                        |
| cs1                    | Unsigned Integer                                                                                                                                                                                                                | {packet_size}                                                       |                                  | packet size      |                        |

|                        |                                                                                                                                                                                                                                                                             |                     |                                            |                  |                        |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|------------------|------------------------|
| packetsize             | Unsigned Integer                                                                                                                                                                                                                                                            | {packet_size}       |                                            | packet size      |                        |
| auth-password-set-fail | 463890003072647188                                                                                                                                                                                                                                                          | Remote only         | Fail to set auth password                  | warning          | aam.authentication.log |
| CEF                    |                                                                                                                                                                                                                                                                             |                     |                                            |                  |                        |
| Format                 | msg=\$msg:%s: cs1=\$cs1:%u: cs1Label=Auth id cs2=\$cs2:%u: cs2Label=error id                                                                                                                                                                                                |                     |                                            |                  |                        |
| Example                | msg=cannot set password cs1=0 cs1Label=Auth id cs2=0 cs2Label=error id                                                                                                                                                                                                      |                     |                                            |                  |                        |
| SYSLOG                 |                                                                                                                                                                                                                                                                             |                     |                                            |                  |                        |
| Format                 | \$msg:%s: auth-id=\$authid:%u: error-id=\$errorid:%u:                                                                                                                                                                                                                       |                     |                                            |                  |                        |
| Example                | cannot set password auth-id=0 error-id=0                                                                                                                                                                                                                                    |                     |                                            |                  |                        |
| Variable               | Type                                                                                                                                                                                                                                                                        | Value               |                                            | Description      |                        |
| msg                    | String                                                                                                                                                                                                                                                                      | cannot set password |                                            | fail message     |                        |
| cs1                    | Unsigned Integer                                                                                                                                                                                                                                                            | {auth_id}           |                                            | auth id          |                        |
| cs2                    | Unsigned Integer                                                                                                                                                                                                                                                            | 0-11                |                                            | error id         |                        |
| authid                 | Unsigned Integer                                                                                                                                                                                                                                                            | {auth_id}           |                                            | auth id          |                        |
| errorid                | Unsigned Integer                                                                                                                                                                                                                                                            | 0-11                |                                            | error id         |                        |
| auth-request           | 463890003072647172                                                                                                                                                                                                                                                          | Remote only         | Send authentication request to auth-server | notification     | aam.authentication.log |
| CEF                    |                                                                                                                                                                                                                                                                             |                     |                                            |                  |                        |
| Format                 | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: externalId=\$externalId:%u: suser=\$suser:%s: cs1=\$cs1:%s: cs1Label=Auth-Server Type cs2=\$cs2:%s: cs2Label=Auth-Server Host cs3=\$cs3:%s: cs3Label=Auth-Logon Type cs4=\$cs4:%s: cs4Label=Realm |                     |                                            |                  |                        |
| Example                | proto=TCP src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 externalId=2 suser=jelly123 cs1=RADIUS cs1Label=Auth-Server Type cs2=192.168.98.136 cs2Label=Auth-Server Host cs3=http-authenticate cs3Label=Auth-Logon Type cs4=A10-TPLAB.COM cs4Label=Realm                   |                     |                                            |                  |                        |
| Variable               | Type                                                                                                                                                                                                                                                                        | Value               |                                            | Description      |                        |
| proto                  | String                                                                                                                                                                                                                                                                      | TCP                 |                                            | protocol         |                        |
| src                    | String                                                                                                                                                                                                                                                                      | {source_ip}         |                                            | source ip        |                        |
| spt                    | Unsigned Integer                                                                                                                                                                                                                                                            | 1-65535             |                                            | source port      |                        |
| dst                    | String                                                                                                                                                                                                                                                                      | {destination_ip}    |                                            | destination ip   |                        |
| dpt                    | Unsigned Integer                                                                                                                                                                                                                                                            | 1-65535             |                                            | destination port |                        |
| externalId             | Unsigned Integer                                                                                                                                                                                                                                                            | {auth_request_id}   |                                            | auth request id  |                        |

| suser         | String                                                                                                                                                                                                                                                                                                                                              | {username}                                        | username                                       |                  |                        |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------|------------------|------------------------|
| cs1           | String                                                                                                                                                                                                                                                                                                                                              | RADIUS<br>LDAP<br>OCSP<br>NTLM-SMB<br>Kerberos    | auth server type                               |                  |                        |
| cs2           | String                                                                                                                                                                                                                                                                                                                                              | {auth_server_host}                                | auth server host                               |                  |                        |
| cs3           | String                                                                                                                                                                                                                                                                                                                                              | http-authenticate<br>form-logon<br>kerberos-relay | auth-logon type                                |                  |                        |
| cs4           | String                                                                                                                                                                                                                                                                                                                                              | {auth_realm}                                      | auth realm                                     |                  |                        |
| auth-response | 463890003072647173                                                                                                                                                                                                                                                                                                                                  | Remote only                                       | Receive authentication result from auth-server | notification     | aam.authentication.log |
| CEF           |                                                                                                                                                                                                                                                                                                                                                     |                                                   |                                                |                  |                        |
| Format        | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: externalId=\$externalId:%u: suser=\$suser:%s: msg=\$msg:%s: cs1=\$cs1:%s: cs1Label=Auth-Server Type cs2=\$cs2:%s: cs2Label=Auth-Server Host cs3=\$cs3:%s: cs3Label=Auth-Logon Type cs4=\$cs4:%s: cs4Label=Realm cs5=\$cs5:%s: cs5Label=Resource Access                    |                                                   |                                                |                  |                        |
| Example       | proto=TCP src=192.168.98.100 spt=1 dst=192.168.98.187 dpt=1 externalId=2 suser=jelly123 msg=FAILURE Unknown user name or bad password cs1=RADIUS cs1Label=Auth-Server Type cs2=192.168.98.136 cs2Label=Auth-Server Host cs3=http-authenticate cs3Label=Auth-Logon Type cs4=A10-TPLAB.COM cs4Label=Realm cs5=192.168.98.100 cs5Label=Resource Access |                                                   |                                                |                  |                        |
| Variable      | Type                                                                                                                                                                                                                                                                                                                                                | Value                                             |                                                | Description      |                        |
| proto         | String                                                                                                                                                                                                                                                                                                                                              | TCP                                               |                                                | protocol         |                        |
| src           | String                                                                                                                                                                                                                                                                                                                                              | {source_ip}                                       |                                                | source ip        |                        |
| spt           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                    | 1-65535                                           |                                                | source port      |                        |
| dst           | String                                                                                                                                                                                                                                                                                                                                              | {destination_ip}                                  |                                                | destination ip   |                        |
| dpt           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                    | 1-65535                                           |                                                | destination port |                        |
| externalId    | Unsigned Integer                                                                                                                                                                                                                                                                                                                                    | {auth_request_id}                                 |                                                | auth request id  |                        |
| suser         | String                                                                                                                                                                                                                                                                                                                                              | {username}                                        |                                                | username         |                        |
| msg           | String                                                                                                                                                                                                                                                                                                                                              | {auth_error_msg}                                  |                                                | auth error msg   |                        |
| cs1           | String                                                                                                                                                                                                                                                                                                                                              | RADIUS<br>LDAP<br>OCSP<br>NTLM-SMB                |                                                | auth server type |                        |

|                                     |                                                |                                                                 |                                          |                  |                        |
|-------------------------------------|------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|------------------|------------------------|
| Kerberos                            |                                                |                                                                 |                                          |                  |                        |
| cs2                                 | String                                         | {auth_server_host}                                              |                                          | auth server host |                        |
| cs3                                 | String                                         | http-authenticate<br>form-logon<br>kerberos-relay<br>ntlm-relay |                                          | auth-logon type  |                        |
| cs4                                 | String                                         | {auth_realm}                                                    |                                          | auth realm       |                        |
| cs5                                 | String                                         | {resource_access}                                               |                                          | resource access  |                        |
| auth-session-table-data-parse-error | 463890003072647191                             | Remote only                                                     | Fail to parse auth data in session table | warning          | aam.authentication.log |
| CEF                                 |                                                |                                                                 |                                          |                  |                        |
| Format                              | msg=\$msg:%s:                                  |                                                                 |                                          |                  |                        |
| Example                             | msg=Parse auth session table entry data fail!! |                                                                 |                                          |                  |                        |
| SYSLOG                              |                                                |                                                                 |                                          |                  |                        |
| Format                              | \$msg:%s:                                      |                                                                 |                                          |                  |                        |
| Example                             | Parse auth session table entry data fail!!     |                                                                 |                                          |                  |                        |
| Variable                            | Type                                           | Value                                                           |                                          | Description      |                        |
| msg                                 | String                                         | Parse auth session table entry data fail!!                      |                                          | fail message     |                        |
| auth-session-table-key-parse-error  | 463890003072647190                             | Remote only                                                     | Fail to parse auth key in session table  | warning          | aam.authentication.log |
| CEF                                 |                                                |                                                                 |                                          |                  |                        |
| Format                              | msg=\$msg:%s:                                  |                                                                 |                                          |                  |                        |
| Example                             | msg=Parse auth session table entry key fail!!  |                                                                 |                                          |                  |                        |
| SYSLOG                              |                                                |                                                                 |                                          |                  |                        |
| Format                              | \$msg:%s:                                      |                                                                 |                                          |                  |                        |
| Example                             | Parse auth session table entry key fail!!      |                                                                 |                                          |                  |                        |
| Variable                            | Type                                           | Value                                                           |                                          | Description      |                        |
| msg                                 | String                                         | Parse auth session table entry key fail!!                       |                                          | fail message     |                        |
| auth-start-error                    | 463890003072647185                             | Remote only                                                     | Fail to start authentication             | warning          | aam.authentication.log |



| CEF                    |                    |                                                               |                           |               |                        |
|------------------------|--------------------|---------------------------------------------------------------|---------------------------|---------------|------------------------|
| Format                 |                    | msg=\$msg:%s: cs1=\$cs1:%s: cs1Label=Fail Reason              |                           |               |                        |
| Example                |                    | msg=Fail to start auth cs1=Error happens cs1Label=Fail Reason |                           |               |                        |
| SYSLOG                 |                    |                                                               |                           |               |                        |
| Format                 |                    | \$msg:%s: fail reason=\$failreason:%s:                        |                           |               |                        |
| Example                |                    | Fail to start auth fail reason=Error happens                  |                           |               |                        |
| Variable               | Type               | Value                                                         |                           | Description   |                        |
| msg                    | String             | Fail to start auth                                            |                           | error message |                        |
| cs1                    | String             | Error happens                                                 |                           | fail reason   |                        |
|                        |                    | Fail to get auth_ctx_t                                        |                           |               |                        |
|                        |                    | Invaild idx                                                   |                           |               |                        |
|                        |                    | Incorrect auth_inst_t state                                   |                           |               |                        |
|                        |                    | Invalid parameter                                             |                           |               |                        |
|                        |                    | Fail to get PROXY                                             |                           |               |                        |
|                        |                    | Invalid authentication server                                 |                           |               |                        |
|                        |                    | Fail to get auth_info                                         |                           |               |                        |
|                        |                    | Fail to alloc memory                                          |                           |               |                        |
|                        |                    | Response too large                                            |                           |               |                        |
| No corresponding data  |                    |                                                               |                           |               |                        |
| failreason             | String             | Error happens                                                 |                           | fail reason   |                        |
|                        |                    | Fail to get auth_ctx_t                                        |                           |               |                        |
|                        |                    | Invaild idx                                                   |                           |               |                        |
|                        |                    | Incorrect auth_inst_t state                                   |                           |               |                        |
|                        |                    | Invalid parameter                                             |                           |               |                        |
|                        |                    | Fail to get PROXY                                             |                           |               |                        |
|                        |                    | Invalid authentication server                                 |                           |               |                        |
|                        |                    | Fail to get auth_info                                         |                           |               |                        |
|                        |                    | Fail to alloc memory                                          |                           |               |                        |
|                        |                    | Response too large                                            |                           |               |                        |
| No corresponding data  |                    |                                                               |                           |               |                        |
| auth-template-get-fail | 463890003072647184 | Both Local and Remote                                         | Fail to get auth template | warning       | aam.authentication.log |
| CEF                    |                    |                                                               |                           |               |                        |
| Format                 |                    | msg=\$msg:%s:                                                 |                           |               |                        |
| Example                |                    | msg=Fail to get template                                      |                           |               |                        |
| SYSLOG                 |                    |                                                               |                           |               |                        |

|                        |                    |                                                                              |                           |              |                        |
|------------------------|--------------------|------------------------------------------------------------------------------|---------------------------|--------------|------------------------|
| Format                 |                    | \$msg:%s:                                                                    |                           |              |                        |
| Example                |                    | Fail to get template                                                         |                           |              |                        |
| Variable               | Type               | Value                                                                        |                           | Description  |                        |
| msg                    | String             | Fail to get template                                                         |                           | fail message |                        |
| auth-username-set-fail | 463890003072647187 | Remote only                                                                  | Fail to set auth username | warning      | aam.authentication.log |
| CEF                    |                    |                                                                              |                           |              |                        |
| Format                 |                    | msg=\$msg:%s: cs1=\$cs1:%u: cs1Label=Auth id cs2=\$cs2:%u: cs2Label=error id |                           |              |                        |
| Example                |                    | msg=cannot set username cs1=0 cs1Label=Auth id cs2=0 cs2Label=error id       |                           |              |                        |
| SYSLOG                 |                    |                                                                              |                           |              |                        |
| Format                 |                    | \$msg:%s: auth-id=\$authid:%u: error-id=\$errorid:%u:                        |                           |              |                        |
| Example                |                    | cannot set username auth-id=0 error-id=0                                     |                           |              |                        |
| Variable               | Type               | Value                                                                        |                           | Description  |                        |
| msg                    | String             | cannot set username                                                          |                           | fail message |                        |
| cs1                    | Unsigned Integer   | {auth_id}                                                                    |                           | auth id      |                        |
| cs2                    | Unsigned Integer   | 0-11                                                                         |                           | error id     |                        |
| authid                 | Unsigned Integer   | {auth_id}                                                                    |                           | auth id      |                        |
| errorid                | Unsigned Integer   | 0-11                                                                         |                           | error id     |                        |
| auth-vport-get-fail    | 463890003072647192 | Remote only                                                                  | Fail to get vport value   | warning      | aam.authentication.log |
| CEF                    |                    |                                                                              |                           |              |                        |
| Format                 |                    | msg=\$msg:%s:                                                                |                           |              |                        |
| Example                |                    | msg=Fail to get vport                                                        |                           |              |                        |
| SYSLOG                 |                    |                                                                              |                           |              |                        |
| Format                 |                    | \$msg:%s:                                                                    |                           |              |                        |
| Example                |                    | Fail to get vport                                                            |                           |              |                        |
| Variable               | Type               | Value                                                                        |                           | Description  |                        |
| msg                    | String             | Fail to get vport                                                            |                           | fail message |                        |
|                        |                    |                                                                              |                           |              |                        |

| mssql-auth-result      | 463890003072647176                                                                                                                                                                                           | Remote only                                  | Receive MSSQL authentication result              | notification                 | aam.authentication.log |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|------------------------------|------------------------|
| CEF                    |                                                                                                                                                                                                              |                                              |                                                  |                              |                        |
| Format                 | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: destinationServiceName=\$destinationServiceName:%s: msg=\$msg:%s: suser=\$suser:%s: cs1=\$cs1:%s: cs1Label=Authentication Template |                                              |                                                  |                              |                        |
| Example                | proto=TCP src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 destinationServiceName=192.168.98.1:80 msg=fails suser=jelly123 cs1=auth_temp_basic cs1Label=Authentication Template                             |                                              |                                                  |                              |                        |
| Variable               | Type                                                                                                                                                                                                         | Value                                        |                                                  | Description                  |                        |
| proto                  | String                                                                                                                                                                                                       | TCP                                          |                                                  | protocol                     |                        |
| src                    | String                                                                                                                                                                                                       | {source_ip}                                  |                                                  | source ip                    |                        |
| spt                    | Unsigned Integer                                                                                                                                                                                             | 1-65535                                      |                                                  | source port                  |                        |
| dst                    | String                                                                                                                                                                                                       | {destination_ip}                             |                                                  | destination ip               |                        |
| dpt                    | Unsigned Integer                                                                                                                                                                                             | 1-65535                                      |                                                  | destination port             |                        |
| destinationServiceName | String                                                                                                                                                                                                       | {destination_service}                        |                                                  | destination service          |                        |
| msg                    | String                                                                                                                                                                                                       | fails<br>success with class-list<br>succeeds |                                                  | message of event             |                        |
| suser                  | String                                                                                                                                                                                                       | {user_name}                                  |                                                  | user name                    |                        |
| cs1                    | String                                                                                                                                                                                                       | {authentication_template_name}               |                                                  | authentication template name |                        |
| retry-lock             | 463890003072647176                                                                                                                                                                                           | Remote only                                  | The times of authentication fail reach the limit | notification                 | aam.authentication.log |
| CEF                    |                                                                                                                                                                                                              |                                              |                                                  |                              |                        |
| Format                 | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: msg=\$msg:%s: suser=\$suser:%s: cn1=\$cn1:%u: cn1Label=Retry Limit cn2=\$cn2:%u: cn2Label=Lockup Seconds                           |                                              |                                                  |                              |                        |
| Example                | proto=TCP src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 msg=Logon:basic-logon Account retry lock suser=jelly123 cn1=1 cn1Label=Retry Limit cn2=1 cn2Label=Lockup Seconds                                 |                                              |                                                  |                              |                        |
| Variable               | Type                                                                                                                                                                                                         | Value                                        |                                                  | Description                  |                        |
| proto                  | String                                                                                                                                                                                                       | TCP                                          |                                                  | protocol                     |                        |
| src                    | String                                                                                                                                                                                                       | {source_ip}                                  |                                                  | source ip                    |                        |
| spt                    | Unsigned Integer                                                                                                                                                                                             | 1-65535                                      |                                                  | source port                  |                        |

| dst               | String                                                                                                                                                                                 | {destination_ip}       |                                         | destination ip       |                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|----------------------|------------------------|
| dpt               | Unsigned Integer                                                                                                                                                                       | 1-65535                |                                         | destination port     |                        |
| msg               | String                                                                                                                                                                                 | {retry_lock_message}   |                                         | retry lock message   |                        |
| suser             | String                                                                                                                                                                                 | {user_name}            |                                         | user name            |                        |
| cn1               | Unsigned Integer                                                                                                                                                                       | 1-32                   |                                         | retry limit          |                        |
| cn2               | Unsigned Integer                                                                                                                                                                       | 1-86400                |                                         | lockup seconds       |                        |
| retry-unlock      | 463890003072647179                                                                                                                                                                     | Remote only            | The duration of retry lock passed       | notification         | aam.authentication.log |
| CEF               |                                                                                                                                                                                        |                        |                                         |                      |                        |
| Format            | msg=\$msg:%s: suser=\$suser:%s:                                                                                                                                                        |                        |                                         |                      |                        |
| Example           | msg=Logon:basic-logon Account retry unlock suser=jelly123                                                                                                                              |                        |                                         |                      |                        |
| Variable          | Type                                                                                                                                                                                   | Value                  |                                         | Description          |                        |
| msg               | String                                                                                                                                                                                 | {retry_unlock_message} |                                         | retry unlock message |                        |
| suser             | String                                                                                                                                                                                 | {user_name}            |                                         | user name            |                        |
| saml-auth-request | 463890003072647174                                                                                                                                                                     | Remote only            | Send SAML authentication request to IDP | notification         | aam.authentication.log |
| CEF               |                                                                                                                                                                                        |                        |                                         |                      |                        |
| Format            | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: externalId=\$externalId:%u: cs1=\$cs1:%s: cs1Label=Service Provider cs2=\$cs2:%s: cs2Label=Identity Provider |                        |                                         |                      |                        |
| Example           | proto=TCP src=192.168.98.187 spt=1 dst=192.168.98.100 dpt=1 externalId=2 cs1=sp cs1Label=Service Provider cs2=idp cs2Label=Identity Provider                                           |                        |                                         |                      |                        |
| Variable          | Type                                                                                                                                                                                   | Value                  |                                         | Description          |                        |
| proto             | String                                                                                                                                                                                 | TCP                    |                                         | protocol             |                        |
| src               | String                                                                                                                                                                                 | {source_ip}            |                                         | source ip            |                        |
| spt               | Unsigned Integer                                                                                                                                                                       | 1-65535                |                                         | source port          |                        |
| dst               | String                                                                                                                                                                                 | {destination_ip}       |                                         | destination ip       |                        |
| dpt               | Unsigned Integer                                                                                                                                                                       | 1-65535                |                                         | destination port     |                        |
| externalId        | Unsigned Integer                                                                                                                                                                       | {saml_auth_request_id} |                                         | saml auth request id |                        |

| cs1                | String                                                                                                                                                                                                                                                                                                 | {service_provider_name}  |                                                      | service provider name  |                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------|------------------------|------------------------|
| cs2                | String                                                                                                                                                                                                                                                                                                 | {identity_provider_name} |                                                      | identity provider name |                        |
| saml-auth-response | 463890003072647175                                                                                                                                                                                                                                                                                     | Remote only              | Receive SAML authentication result from SAML service | notification           | aam.authentication.log |
| CEF                |                                                                                                                                                                                                                                                                                                        |                          |                                                      |                        |                        |
| Format             | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: externalId=\$externalId:%u: suser=\$suser:%s: msg=\$msg:%s: cs1=\$cs1:%s: cs1Label=Service Provider cs2=\$cs2:%s: cs2Label=Identity Provider cs3=\$cs3:%s: cs3Label=Auth-Relay Type cs4=\$cs4:%s: cs4Label=Resource Access   |                          |                                                      |                        |                        |
| Example            | proto=TCP src=192.168.98.100 spt=1 dst=192.168.98.187 dpt=1 externalId=0 suser=jelly123 msg=FAILURE Unknown user name or bad password cs1=sp cs1Label=Service Provider cs2=idp cs2Label=Identity Provider cs3=WS-federation-relay cs3Label=Auth-Relay Type cs4=192.168.98.100 cs4Label=Resource Access |                          |                                                      |                        |                        |
| Variable           | Type                                                                                                                                                                                                                                                                                                   | Value                    |                                                      | Description            |                        |
| proto              | String                                                                                                                                                                                                                                                                                                 | TCP                      |                                                      | protocol               |                        |
| src                | String                                                                                                                                                                                                                                                                                                 | {source_ip}              |                                                      | source ip              |                        |
| spt                | Unsigned Integer                                                                                                                                                                                                                                                                                       | 1-65535                  |                                                      | source port            |                        |
| dst                | String                                                                                                                                                                                                                                                                                                 | {destination_ip}         |                                                      | destination ip         |                        |
| dpt                | Unsigned Integer                                                                                                                                                                                                                                                                                       | 1-65535                  |                                                      | destination port       |                        |
| externalId         | Unsigned Integer                                                                                                                                                                                                                                                                                       | {saml_auth_request_id}   |                                                      | saml auth request id   |                        |
| suser              | String                                                                                                                                                                                                                                                                                                 | {username}               |                                                      | username               |                        |
| msg                | String                                                                                                                                                                                                                                                                                                 | {auth_error_msg}         |                                                      | auth error msg         |                        |
| cs1                | String                                                                                                                                                                                                                                                                                                 | {service_provider_name}  |                                                      | service provider name  |                        |
| cs2                | String                                                                                                                                                                                                                                                                                                 | {identity_provider_name} |                                                      | identity provider name |                        |
| cs3                | String                                                                                                                                                                                                                                                                                                 | WS-federation-relay      |                                                      | auth-relay type        |                        |
| cs4                | String                                                                                                                                                                                                                                                                                                 | {resource_access}        |                                                      | resource access        |                        |
| session-create     | 463890003072647169                                                                                                                                                                                                                                                                                     | Remote only              | Auth session is created                              | notification           | aam.authentication.log |
| CEF                |                                                                                                                                                                                                                                                                                                        |                          |                                                      |                        |                        |
| Format             | externalId=\$externalId:%l: suser=\$suser:%s:                                                                                                                                                                                                                                                          |                          |                                                      |                        |                        |
| Example            | externalId=0 suser=jelly123                                                                                                                                                                                                                                                                            |                          |                                                      |                        |                        |
| Variable           | Type                                                                                                                                                                                                                                                                                                   | Value                    |                                                      | Description            |                        |

|                   |                                                                          |                                                                                                                                                     |                                                         |                                 |                                            |
|-------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------|--------------------------------------------|
| externalId        | Long                                                                     | {auth_session_ID}                                                                                                                                   |                                                         | auth session ID                 |                                            |
| suser             | String                                                                   | {user_name}                                                                                                                                         |                                                         | user name                       |                                            |
| session-replace   | 463890003072647171                                                       | Remote only                                                                                                                                         | Auth session is replaced                                | notification                    | aam.authentication.log                     |
| CEF               |                                                                          |                                                                                                                                                     |                                                         |                                 |                                            |
| Format            | externalId=\$externalId:%l: suser=\$suser:%s: msg=\$msg:%s:              |                                                                                                                                                     |                                                         |                                 |                                            |
| Example           | externalId=1 suser=micky732 msg=replaced-session id:0, username:jelly123 |                                                                                                                                                     |                                                         |                                 |                                            |
| Variable          | Type                                                                     | Value                                                                                                                                               |                                                         | Description                     |                                            |
| externalId        | Long                                                                     | {new_auth_session_ID}                                                                                                                               |                                                         | new auth session ID             |                                            |
| suser             | String                                                                   | {new_user_name}                                                                                                                                     |                                                         | new user name                   |                                            |
| msg               | String                                                                   | {The_msg_of_auth_session_replace}                                                                                                                   |                                                         | The msg of auth session replace |                                            |
| session-terminate | 463890003072647170                                                       | Remote only                                                                                                                                         | Auth session is terminated                              | notification                    | aam.authentication.log                     |
| CEF               |                                                                          |                                                                                                                                                     |                                                         |                                 |                                            |
| Format            | externalId=\$externalId:%l: suser=\$suser:%s: msg=\$msg:%s:              |                                                                                                                                                     |                                                         |                                 |                                            |
| Example           | externalId=0 suser=jelly123 msg=timeout                                  |                                                                                                                                                     |                                                         |                                 |                                            |
| Variable          | Type                                                                     | Value                                                                                                                                               |                                                         | Description                     |                                            |
| externalId        | Long                                                                     | {auth_session_ID}                                                                                                                                   |                                                         | auth session ID                 |                                            |
| suser             | String                                                                   | {user_name}                                                                                                                                         |                                                         | user name                       |                                            |
| msg               | String                                                                   | timeout<br>command initiated termination<br>client accesses logout URL<br>session is terminated by aFlex command<br>operation initiated termination |                                                         | The reason of session terminate |                                            |
| account_realm     | 463891111308427265                                                       | Both Local and Remote                                                                                                                               | Account and realm for kerberos relay are not configured | warning                         | aam.authentication.relay.kerberos.instance |
| CEF               |                                                                          |                                                                                                                                                     |                                                         |                                 |                                            |
| Format            | cs1=\$relay_name:%s: cs1Label=relay name                                 |                                                                                                                                                     |                                                         |                                 |                                            |
| Example           | cs1=krbs_relay cs1Label=relay name                                       |                                                                                                                                                     |                                                         |                                 |                                            |
| SYSLOG            |                                                                          |                                                                                                                                                     |                                                         |                                 |                                            |
| Format            | Please configure account and realm for kerberos \$relay_name:%s:         |                                                                                                                                                     |                                                         |                                 |                                            |

| Example            |                   | Please configure account and realm for kerberos krbs_relay                     |                                                  |                                   |             |
|--------------------|-------------------|--------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------|-------------|
| Variable           | Type              | Value                                                                          |                                                  | Description                       |             |
| relay_name         | String            | {relay_name}                                                                   |                                                  | relay name                        |             |
| rule-no-clause-msg | 67553994410557442 | Both Local and Remote                                                          | ACL with no clause and remarks is requested      | information                       | access-list |
| CEF                |                   |                                                                                |                                                  |                                   |             |
| Format             |                   | cs1=\$acl_type:%s: cs1Label=ACL protocol version                               |                                                  |                                   |             |
| Example            |                   | cs1=ipv4 cs1Label=ACL protocol version                                         |                                                  |                                   |             |
| SYSLOG             |                   |                                                                                |                                                  |                                   |             |
| Format             |                   | ACL \$acl_type:%s: rule doesn't have clause as well as remarks                 |                                                  |                                   |             |
| Example            |                   | ACL ipv4 rule doesn't have clause as well as remarks                           |                                                  |                                   |             |
| Variable           | Type              | Value                                                                          |                                                  | Description                       |             |
| acl_type           | String            | ipv4<br>ipv6                                                                   |                                                  | ACL protocol version              |             |
| rule_denied        | 67553994410557441 | Both Local and Remote                                                          | ACL rules denied more connections than set limit | warning                           | access-list |
| CEF                |                   |                                                                                |                                                  |                                   |             |
| Format             |                   | cn1=\$rule_limit:%u: cn1Label=ACL rule denied connections limit                |                                                  |                                   |             |
| Example            |                   | cn1=1000 cn1Label=ACL rule denied connections limit                            |                                                  |                                   |             |
| SYSLOG             |                   |                                                                                |                                                  |                                   |             |
| Format             |                   | ACL rules denied more than \$rule_limit:%u: connections in the last 10 minutes |                                                  |                                   |             |
| Example            |                   | ACL rules denied more than 1000 connections in the last 10 minutes             |                                                  |                                   |             |
| Variable           | Type              | Value                                                                          |                                                  | Description                       |             |
| rule_limit         | Unsigned Integer  | {ACL_rule_denied_connections_limit}                                            |                                                  | ACL rule denied connections limit |             |
| reset-admin-pass   | 85568392920039433 | Both Local and Remote                                                          | Reset admin password to default successfully     | information                       | admin       |
| SYSLOG             |                   |                                                                                |                                                  |                                   |             |
| Format             |                   | Reset admin password to default successfully                                   |                                                  |                                   |             |

| reset-enable-pass   | 85568392920039432 | Both Local and Remote                                                 | Reset enable password to default successfully | information | admin |
|---------------------|-------------------|-----------------------------------------------------------------------|-----------------------------------------------|-------------|-------|
| SYSLOG              |                   |                                                                       |                                               |             |       |
| Format              |                   | Reset enable password to default successfully                         |                                               |             |       |
| reset-pass          | 85568392920039435 | Both Local and Remote                                                 | Reset password to default successfully        | information | admin |
| SYSLOG              |                   |                                                                       |                                               |             |       |
| Format              |                   | Reset password to default successfully                                |                                               |             |       |
| sess-timeout        | 85568392920039437 | Both Local and Remote                                                 | Session timed out                             | information | admin |
| SYSLOG              |                   |                                                                       |                                               |             |       |
| Format              |                   | Session timed out                                                     |                                               |             |       |
| sess-timeout-detail | 85568392920039438 | Both Local and Remote                                                 | Session timed out                             | information | admin |
| SYSLOG              |                   |                                                                       |                                               |             |       |
| Format              |                   | Session ID \$id:%d: for user "\$name:%s:" from \$ip:%s: has timed out |                                               |             |       |
| Example             |                   | Session ID 10 for user "user1" from 1.1.1.1 has timed out             |                                               |             |       |
| Variable            | Type              | Value                                                                 |                                               | Description |       |
| id                  | Integer           | {session_id}                                                          |                                               | session id  |       |
| name                | String            | {user_name}                                                           |                                               | user name   |       |
| ip                  | String            | {ip}                                                                  |                                               | ip          |       |
| session-mgmt        | 85568392920039426 | Both Local and Remote                                                 | Get user error                                | error       | admin |
| SYSLOG              |                   |                                                                       |                                               |             |       |
| Format              |                   | Get user error :\$err:%s:                                             |                                               |             |       |
| Example             |                   | Get user error :unkown                                                |                                               |             |       |
| Variable            | Type              | Value                                                                 |                                               | Description |       |
| err                 | String            | {more_info}                                                           |                                               | more info   |       |
|                     |                   |                                                                       |                                               |             |       |



| update-pass    | 85568392920039436                                           | Both Local and Remote | change password successfully                    | information | admin         |
|----------------|-------------------------------------------------------------|-----------------------|-------------------------------------------------|-------------|---------------|
| SYSLOG         |                                                             |                       |                                                 |             |               |
| Format         | change user(\$name:%s:) password successfully               |                       |                                                 |             |               |
| Example        | change user(user1) password successfully                    |                       |                                                 |             |               |
| Variable       | Type                                                        | Value                 |                                                 | Description |               |
| name           | String                                                      | {user_name}           |                                                 | user name   |               |
| zero-key-cert  | 85568392920039431                                           | Both Local and Remote | Zeroization of keys and certificates successful | information | admin         |
| SYSLOG         |                                                             |                       |                                                 |             |               |
| Format         | Zeroization of keys and certificates successful             |                       |                                                 |             |               |
| zero-pass      | 85568392920039434                                           | Both Local and Remote | Zeroization of passwords successful             | information | admin         |
| SYSLOG         |                                                             |                       |                                                 |             |               |
| Format         | Zeroization of passwords successful                         |                       |                                                 |             |               |
| invalid-user   | 94575592174780419                                           | Both Local and Remote | User is not a valid admin user                  | error       | admin-session |
| SYSLOG         |                                                             |                       |                                                 |             |               |
| Format         | User \$name:%s: is not a valid admin user                   |                       |                                                 |             |               |
| Example        | User user1 is not a valid admin user                        |                       |                                                 |             |               |
| Variable       | Type                                                        | Value                 |                                                 | Description |               |
| name           | String                                                      | {user_name}           |                                                 | user name   |               |
| mem-access-err | 94575592174780420                                           | Both Local and Remote | Cannot accesss shared memory                    | error       | admin-session |
| SYSLOG         |                                                             |                       |                                                 |             |               |
| Format         | Cannot accesss shared memory variable for config dirty flag |                       |                                                 |             |               |
| part-name-err  | 94575592174780417                                           | Both Local and Remote | Error partition name                            | error       | admin-session |
| SYSLOG         |                                                             |                       |                                                 |             |               |

| Format         | Error partition name: \$name:%s:                                          |                       |                                |                |                  |
|----------------|---------------------------------------------------------------------------|-----------------------|--------------------------------|----------------|------------------|
| Example        | Error partition name: p1                                                  |                       |                                |                |                  |
| Variable       | Type                                                                      | Value                 |                                | Description    |                  |
| name           | String                                                                    | {partition_name}      |                                | partition name |                  |
| role-err       | 94575592174780418                                                         | Both Local and Remote | Get role failed                | error          | admin-session    |
| SYSLOG         |                                                                           |                       |                                |                |                  |
| Format         | Get role failed                                                           |                       |                                |                |                  |
| sess-list-fail | 94575592174780422                                                         | Both Local and Remote | Get admin session list failed. | error          | admin-session    |
| SYSLOG         |                                                                           |                       |                                |                |                  |
| Format         | Get admin session list failed.                                            |                       |                                |                |                  |
| type-fail      | 94575592174780421                                                         | Both Local and Remote | Get authen type failed.        | error          | admin-session    |
| SYSLOG         |                                                                           |                       |                                |                |                  |
| Format         | Get authen type failed.                                                   |                       |                                |                |                  |
| log            | 85585985106083841                                                         | Both Local and Remote | log ssh-pubkey operations      | information    | admin.ssh-pubkey |
| SYSLOG         |                                                                           |                       |                                |                |                  |
| Format         | User \$name:%s: \$action:%s: ssh-pubkey (index: \$index:%d:) \$status:%s: |                       |                                |                |                  |
| Example        | User admin import ssh-pubkey (index: 1) failed                            |                       |                                |                |                  |
| Variable       | Type                                                                      | Value                 |                                | Description    |                  |
| name           | String                                                                    | {user_name}           |                                | user name      |                  |
| action         | String                                                                    | import<br>delete      |                                | action         |                  |
| index          | Integer                                                                   | {key_index}           |                                | key index      |                  |
| status         | String                                                                    | failed<br>succeed     |                                | status         |                  |
| api-fail       | 103582791429521413                                                        | Both Local and Remote | audit_mmap_init failed         | error          | audit            |

| SYSLOG       |                    |                                        |                     |             |       |
|--------------|--------------------|----------------------------------------|---------------------|-------------|-------|
| Format       |                    | audit_mmap_init failed                 |                     |             |       |
| file-len-err | 103582791429521412 | Both Local and Remote                  | file length error   | error       | audit |
| SYSLOG       |                    |                                        |                     |             |       |
| Format       |                    | file length error                      |                     |             |       |
| format-err   | 103582791429521414 | Both Local and Remote                  | unknown file format | error       | audit |
| SYSLOG       |                    |                                        |                     |             |       |
| Format       |                    | unknown file format                    |                     |             |       |
| lseek-fail   | 103582791429521411 | Both Local and Remote                  | lseek failed.       | error       | audit |
| SYSLOG       |                    |                                        |                     |             |       |
| Format       |                    | lseek failed: \$err:%s:.               |                     |             |       |
| Example      |                    | lseek failed: not found.               |                     |             |       |
| Variable     | Type               | Value                                  |                     | Description |       |
| err          | String             | {error_msg}                            |                     | error msg   |       |
| mmap-fail    | 103582791429521410 | Both Local and Remote                  | mmap failed.        | error       | audit |
| SYSLOG       |                    |                                        |                     |             |       |
| Format       |                    | mmap failed: \$err:%s:.                |                     |             |       |
| Example      |                    | mmap failed: not found.                |                     |             |       |
| Variable     | Type               | Value                                  |                     | Description |       |
| err          | String             | {error_msg}                            |                     | error msg   |       |
| open-fail    | 103582791429521409 | Both Local and Remote                  | open file failed    | error       | audit |
| SYSLOG       |                    |                                        |                     |             |       |
| Format       |                    | open file \$name:%s: failed: \$err:%s: |                     |             |       |

| Example           |                    | open file audit failed: not found                              |                                                           |               |               |
|-------------------|--------------------|----------------------------------------------------------------|-----------------------------------------------------------|---------------|---------------|
| Variable          | Type               | Value                                                          |                                                           | Description   |               |
| name              | String             | {file_name}                                                    |                                                           | file name     |               |
| err               | String             | {error_msg}                                                    |                                                           | error msg     |               |
| failed            | 108086391056891911 | Both Local and Remote                                          | authenticationfailed.                                     | information   | authorization |
| SYSLOG            |                    |                                                                |                                                           |               |               |
| Format            |                    | \$type:%s: authentication failed(user: \$name:%s:): \$err:%s:. |                                                           |               |               |
| Example           |                    | LDAP authentication failed(user: user1): not found.            |                                                           |               |               |
| Variable          | Type               | Value                                                          |                                                           | Description   |               |
| type              | String             | {auth_type}                                                    |                                                           | auth type     |               |
| name              | String             | {user_name}                                                    |                                                           | user name     |               |
| err               | String             | {error_message}                                                |                                                           | error message |               |
| succeed           | 108086391056891910 | Both Local and Remote                                          | authentication successful.                                | information   | authorization |
| SYSLOG            |                    |                                                                |                                                           |               |               |
| Format            |                    | \$type:%s: authentication successful (user: \$name:%s:).       |                                                           |               |               |
| Example           |                    | LDAP authentication successful (user: user1).                  |                                                           |               |               |
| Variable          | Type               | Value                                                          |                                                           | Description   |               |
| type              | String             | {auth_type}                                                    |                                                           | auth type     |               |
| name              | String             | {user_name}                                                    |                                                           | user name     |               |
| tacplus-auth      | 108086391056891907 | Both Local and Remote                                          | tacplus authorization failed.                             | information   | authorization |
| SYSLOG            |                    |                                                                |                                                           |               |               |
| Format            |                    | tacplus authorization failed.                                  |                                                           |               |               |
| tacplus-auth-part | 108086391056891909 | Both Local and Remote                                          | authentication failed: assigned partition(s) nonexistent. | information   | authorization |
| SYSLOG            |                    |                                                                |                                                           |               |               |

| Format              |                    | \$type:%s: authentication failed: the user, \$name:%s:, assigned partition(s) nonexistent.          |                                            |                        |                 |
|---------------------|--------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------|-----------------|
| Example             |                    | LDAP authentication failed: the user, user1, assigned partition(s) nonexistent.                     |                                            |                        |                 |
| Variable            | Type               | Value                                                                                               |                                            | Description            |                 |
| type                | String             | {auth_type}                                                                                         |                                            | auth type              |                 |
| name                | String             | {user_name}                                                                                         |                                            | user name              |                 |
| tacplus-auth-s-part | 108086391056891908 | Both Local and Remote                                                                               | authentication failed in service partition | information            | authorization   |
| SYSLOG              |                    |                                                                                                     |                                            |                        |                 |
| Format              |                    | \$type:%s: authentication failed: role \$type1:%s: is not supported in service partition \$name:%s: |                                            |                        |                 |
| Example             |                    | LDAP authentication failed: role cli is not supported in service partition sp1                      |                                            |                        |                 |
| Variable            | Type               | Value                                                                                               |                                            | Description            |                 |
| type                | String             | {auth_type}                                                                                         |                                            | auth type              |                 |
| type1               | String             | {auth_type}                                                                                         |                                            | auth type              |                 |
| name                | String             | {service_partition_name}                                                                            |                                            | service partition name |                 |
| tacplus-init        | 108086391056891905 | Both Local and Remote                                                                               | tacplus initial failed.                    | information            | authorization   |
| SYSLOG              |                    |                                                                                                     |                                            |                        |                 |
| Format              |                    | tacplus initial failed.                                                                             |                                            |                        |                 |
| tacplus-server      | 108086391056891906 | Both Local and Remote                                                                               | Contact with tacplus server failed.        | information            | authorization   |
| SYSLOG              |                    |                                                                                                     |                                            |                        |                 |
| Format              |                    | Contact with tacplus server failed.                                                                 |                                            |                        |                 |
| fail-status         | 270215977642229761 | Both Local and Remote                                                                               | deleting log file failed                   | error                  | backup          |
| SYSLOG              |                    |                                                                                                     |                                            |                        |                 |
| Format              |                    | Can not delete tar file of log files                                                                |                                            |                        |                 |
| fail-status         | 274719577269600257 | Both Local and Remote                                                                               | get backup periodically password failed    | error                  | backup-periodic |
| SYSLOG              |                    |                                                                                                     |                                            |                        |                 |

|                                                                 |                    |                       |                                                 |             |                       |
|-----------------------------------------------------------------|--------------------|-----------------------|-------------------------------------------------|-------------|-----------------------|
| Format Failed to get backup periodically password.              |                    |                       |                                                 |             |                       |
| exec-banner-init                                                | 112589990684262402 | Both Local and Remote | AACOS EXEC banner is set/removed.               | information | banner                |
| SYSLOG                                                          |                    |                       |                                                 |             |                       |
| Format ACOS EXEC banner is \$action:%s:.                        |                    |                       |                                                 |             |                       |
| Example ACOS EXEC banner is set.                                |                    |                       |                                                 |             |                       |
| Variable                                                        | Type               | Value                 |                                                 | Description |                       |
| action                                                          | String             | set<br>removed        |                                                 | action      |                       |
| login-banner-init                                               | 112589990684262401 | Both Local and Remote | AACOS Login banner is set/removed.              | information | banner                |
| SYSLOG                                                          |                    |                       |                                                 |             |                       |
| Format ACOS Login banner is \$action:%s:.                       |                    |                       |                                                 |             |                       |
| Example ACOS Login banner is set.                               |                    |                       |                                                 |             |                       |
| Variable                                                        | Type               | Value                 |                                                 | Description |                       |
| action                                                          | String             | set<br>removed        |                                                 | action      |                       |
| ipd-bgp-ip-added                                                | 518001918077829134 | Both Local and Remote | DDoS protection added IP on BGP advertisement   | warning     | cgnv6.ddos-protection |
| SYSLOG                                                          |                    |                       |                                                 |             |                       |
| Format DDoS protection added IP \$ip:%s: on BGP advertisement   |                    |                       |                                                 |             |                       |
| Example DDoS protection added IP 1.1.1.1 on BGP advertisement   |                    |                       |                                                 |             |                       |
| Variable                                                        | Type               | Value                 |                                                 | Description |                       |
| ip                                                              | IP V4 Address      | {ip_address}          |                                                 | ip address  |                       |
| ipd-bgp-ip-removed                                              | 518001918077829135 | Both Local and Remote | DDoS protection removed IP on BGP advertisement | warning     | cgnv6.ddos-protection |
| SYSLOG                                                          |                    |                       |                                                 |             |                       |
| Format DDoS protection removed IP \$ip:%s: on BGP advertisement |                    |                       |                                                 |             |                       |
| Example DDoS protection removed IP 1.1.1.1 on BGP advertisement |                    |                       |                                                 |             |                       |

| Variable                       | Type                                                                           | Value                 |                                                    | Description |                       |
|--------------------------------|--------------------------------------------------------------------------------|-----------------------|----------------------------------------------------|-------------|-----------------------|
| ip                             | IP V4 Address                                                                  | {ip_address}          |                                                    | ip address  |                       |
| ipd-dest-ip-rate-lim-drop      | 518001918077829133                                                             | Both Local and Remote | DDoS protection rate-limited drop for dest address | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                  |                                                                                |                       |                                                    |             |                       |
| Format                         | \$num:%u: packets rate-limited for dest address \$ip:%s:                       |                       |                                                    |             |                       |
| Example                        | 1 packets rate-limited for dest address 1.1.1.1                                |                       |                                                    |             |                       |
| Variable                       | Type                                                                           | Value                 |                                                    | Description |                       |
| num                            | Unsigned Integer                                                               | {num_id}              |                                                    | num id      |                       |
| ip                             | IP V4 Address                                                                  | {ip_address}          |                                                    | ip address  |                       |
| ipd-ip-l4-entry-added          | 518001918077829122                                                             | Both Local and Remote | DDoS protection added L4 entry - IPv4              | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                  |                                                                                |                       |                                                    |             |                       |
| Format                         | DDoS protection added L4 entry - IP \$ip:%s: Proto \$proto:%u: Port \$port:%u: |                       |                                                    |             |                       |
| Example                        | DDoS protection added L4 entry - IP 1.1.1.1 Proto 1 Port 1                     |                       |                                                    |             |                       |
| Variable                       | Type                                                                           | Value                 |                                                    | Description |                       |
| ip                             | IP V4 Address                                                                  | {ip_address}          |                                                    | ip address  |                       |
| proto                          | Unsigned Integer                                                               | {proto_id}            |                                                    | proto id    |                       |
| port                           | Unsigned Integer                                                               | {port_id}             |                                                    | port id     |                       |
| ipd-ip-l4-entry-added-rate-lim | 518001918077829124                                                             | Both Local and Remote | DDoS protection added rate limit L4 entry - IPv4   | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                  |                                                                                |                       |                                                    |             |                       |
| Format                         | DDoS protection added \$num:%u: L4 entries - IP \$ip:%s:                       |                       |                                                    |             |                       |
| Example                        | DDoS protection added 1 L4 entries - IP 1.1.1.1                                |                       |                                                    |             |                       |
| Variable                       | Type                                                                           | Value                 |                                                    | Description |                       |
| num                            | Unsigned Integer                                                               | {num_id}              |                                                    | num id      |                       |
| ip                             | IP V4 Address                                                                  | {ip_address}          |                                                    | ip address  |                       |
|                                |                                                                                | Both Local and        | DDoS protection removed L4                         |             |                       |

| ipd-ip-l4-entry-removed          | 518001918077829123                                                               | Remote                | entry - IPv4                                     | warning     | cgnv6.ddos-protection |
|----------------------------------|----------------------------------------------------------------------------------|-----------------------|--------------------------------------------------|-------------|-----------------------|
| <b>SYSLOG</b>                    |                                                                                  |                       |                                                  |             |                       |
| Format                           | DDoS protection removed L4 entry - IP \$ip:%s: Proto \$proto:%u: Port \$port:%u: |                       |                                                  |             |                       |
| Example                          | DDoS protection removed L4 entry - IP 1.1.1.1 Proto 1 Port 1                     |                       |                                                  |             |                       |
| Variable                         | Type                                                                             | Value                 |                                                  | Description |                       |
| ip                               | IP V4 Address                                                                    | {ip_address}          |                                                  | ip address  |                       |
| proto                            | Unsigned Integer                                                                 | {proto_id}            |                                                  | proto id    |                       |
| port                             | Unsigned Integer                                                                 | {port_id}             |                                                  | port id     |                       |
| ipd-ip-l4-entry-removed-rate-lim | 518001918077829125                                                               | Both Local and Remote | DDoS protection removed L4 entry - IPv4          | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                    |                                                                                  |                       |                                                  |             |                       |
| Format                           | DDoS protection removed \$num:%u: L4 entries - IP \$ip:%s:                       |                       |                                                  |             |                       |
| Example                          | DDoS protection removed 1 L4 entries - IP 1.1.1.1                                |                       |                                                  |             |                       |
| Variable                         | Type                                                                             | Value                 |                                                  | Description |                       |
| num                              | Unsigned Integer                                                                 | {num_id}              |                                                  | num id      |                       |
| ip                               | IP V4 Address                                                                    | {ip_address}          |                                                  | ip address  |                       |
| ipd-ipv6-l4-entry-added          | 518001918077829126                                                               | Both Local and Remote | DDoS protection added L4 entry - IPv6            | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                    |                                                                                  |                       |                                                  |             |                       |
| Format                           | DDoS protection added L4 entry - \$ip6:%s: Proto \$proto:%u: Port \$port:%u:     |                       |                                                  |             |                       |
| Example                          | DDoS protection added L4 entry - 1::1 Proto 1 Port 1                             |                       |                                                  |             |                       |
| Variable                         | Type                                                                             | Value                 |                                                  | Description |                       |
| ipv6                             | IP V6 Address                                                                    | {{ipv6}}              |                                                  | {ipv6}      |                       |
| proto                            | Unsigned Integer                                                                 | {proto_id}            |                                                  | proto id    |                       |
| port                             | Unsigned Integer                                                                 | {port_id}             |                                                  | port id     |                       |
| ipd-ipv6-l4-entry-added-rate-lim | 518001918077829128                                                               | Both Local and Remote | DDoS protection added rate limit L4 entry - IPv6 | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                    |                                                                                  |                       |                                                  |             |                       |



| Format                             | DDoS protection added \$num:%u: L4 entry - \$ipv6:%s:                           |                       |                                                     |             |                       |
|------------------------------------|---------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------|-------------|-----------------------|
| Example                            | DDoS protection added 1 L4 entry - 1::1                                         |                       |                                                     |             |                       |
| Variable                           | Type                                                                            | Value                 |                                                     | Description |                       |
| num                                | Unsigned Integer                                                                | {num_id}              |                                                     | num id      |                       |
| ipv6                               | IP V6 Address                                                                   | {{ipv6}}              |                                                     | {ipv6}      |                       |
| ipd-ipv6-l4-entry-removed          | 518001918077829127                                                              | Both Local and Remote | DDoS protection removed L4 entry - IPv6             | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                      |                                                                                 |                       |                                                     |             |                       |
| Format                             | DDoS protection removed L4 entry - \$ipv6:%s: Proto \$proto:%u: Port \$port:%u: |                       |                                                     |             |                       |
| Example                            | DDoS protection removed L4 entry - 1::1 Proto 1 Port 1                          |                       |                                                     |             |                       |
| Variable                           | Type                                                                            | Value                 |                                                     | Description |                       |
| ipv6                               | IP V6 Address                                                                   | {{ipv6}}              |                                                     | {ipv6}      |                       |
| proto                              | Unsigned Integer                                                                | {proto_id}            |                                                     | proto id    |                       |
| port                               | Unsigned Integer                                                                | {port_id}             |                                                     | port id     |                       |
| ipd-ipv6-l4-entry-removed-rate-lim | 518001918077829127                                                              | Both Local and Remote | DDoS protection removeed rate limit L4 entry - IPv6 | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                      |                                                                                 |                       |                                                     |             |                       |
| Format                             | DDoS protection removed \$num:%u: L4 entry - \$ipv6:%s:                         |                       |                                                     |             |                       |
| Example                            | DDoS protection removed 1 L4 entry - 1::1                                       |                       |                                                     |             |                       |
| Variable                           | Type                                                                            | Value                 |                                                     | Description |                       |
| num                                | Unsigned Integer                                                                | {num_id}              |                                                     | num id      |                       |
| ipv6                               | IP V6 Address                                                                   | {{ipv6}}              |                                                     | {ipv6}      |                       |
| ipd-l3-entry-added                 | 518001918077829130                                                              | Both Local and Remote | DDoS protection added L3 entry - IPv4               | warning     | cgnv6.ddos-protection |
| <b>SYSLOG</b>                      |                                                                                 |                       |                                                     |             |                       |
| Format                             | DDoS protection added L3 entry - IP \$ip:%s:                                    |                       |                                                     |             |                       |
| Example                            | DDoS protection added L3 entry - IP 1.1.1.1                                     |                       |                                                     |             |                       |
|                                    |                                                                                 |                       |                                                     |             |                       |

| Variable                 | Type                                                       | Value                 |                                                      | Description  |                       |
|--------------------------|------------------------------------------------------------|-----------------------|------------------------------------------------------|--------------|-----------------------|
| ip                       | IP V4 Address                                              | {ip_address}          |                                                      | ip address   |                       |
| ipd-l3-entry-removed     | 518001918077829131                                         | Both Local and Remote | DDoS protection removed L3 entry - IPv4              | warning      | cgnv6.ddos-protection |
| SYSLOG                   |                                                            |                       |                                                      |              |                       |
| Format                   | DDoS protection removed L3 entry - IP \$ip:%s:             |                       |                                                      |              |                       |
| Example                  | DDoS protection removed L3 entry - IP 1.1.1.1              |                       |                                                      |              |                       |
| Variable                 | Type                                                       | Value                 |                                                      | Description  |                       |
| ip                       | IP V4 Address                                              | {ip_address}          |                                                      | ip address   |                       |
| ipd-src-ip-rate-lim-drop | 518001918077829132                                         | Both Local and Remote | DDoS protection rate-limited drop for source address | warning      | cgnv6.ddos-protection |
| SYSLOG                   |                                                            |                       |                                                      |              |                       |
| Format                   | \$num:%u: packets rate-limited for source address \$ip:%s: |                       |                                                      |              |                       |
| Example                  | 1 packets rate-limited for source address 1.1.1.1          |                       |                                                      |              |                       |
| Variable                 | Type                                                       | Value                 |                                                      | Description  |                       |
| num                      | Unsigned Integer                                           | {num_id}              |                                                      | num id       |                       |
| ip                       | IP V4 Address                                              | {ip_address}          |                                                      | ip address   |                       |
| syn-cookie               | 518001918077829121                                         | Both Local and Remote | CGNV6 DDoS SYN Cookie Enabled/Disabled Logs          | notification | cgnv6.ddos-protection |
| CEF                      |                                                            |                       |                                                      |              |                       |
| Format                   | reason=\$state:%s:                                         |                       |                                                      |              |                       |
| Example                  | reason=enabled                                             |                       |                                                      |              |                       |
| SYSLOG                   |                                                            |                       |                                                      |              |                       |
| Format                   | CGN SYN Cookie is \$state:%s:                              |                       |                                                      |              |                       |
| Example                  | CGN SYN Cookie is enabled                                  |                       |                                                      |              |                       |
| Variable                 | Type                                                       | Value                 |                                                      | Description  |                       |
| state                    | String                                                     | enabled<br>disabled   |                                                      | state        |                       |
|                          |                                                            |                       |                                                      |              |                       |

| port-range-in-use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 518039576351080449 | Both Local and Remote                                             | Some NAT ports are in use in the port range                 | warning             | cgnv6.lsn.port-reservation |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------|
| CEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                                                                   |                                                             |                     |                            |
| Format                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                   |                                                             |                     |                            |
| Example                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                                   |                                                             |                     |                            |
| SYSLOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                   |                                                             |                     |                            |
| Format                      Some NAT ports are in use in the pool range from \$start_port:%u: to \$end_port:%u:                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                                                                   |                                                             |                     |                            |
| Example                      Some NAT ports are in use in the pool range from 0 to 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                                   |                                                             |                     |                            |
| Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Type               | Value                                                             |                                                             | Description         |                            |
| start_port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unsigned Integer   | 0-65535                                                           |                                                             | Start Nat Port      |                            |
| end_port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unsigned Integer   | 0-65535                                                           |                                                             | End Nat Port        |                            |
| cgn-summary-log                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 517985150525505545 | Both Local and Remote                                             | Summary Error log for NAT Port and Quota allocation failure | information         | cgnv6.template.logging     |
| CEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                                                                   |                                                             |                     |                            |
| Format                      proto=\$proto:%s: src=\$src:%s: natPoolName=\$natPoolName:%s: destinationTranslatedAddress=\$destinationTranslatedAddress:%s: MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s: CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s: SGSNAddress=\$SGSNAddress:%s: GGSNAddress=\$GGSNAddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s: custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: reason=\$Reason:%s: cnt=\$count:%u: |                    |                                                                   |                                                             |                     |                            |
| Example                      proto=OTHER src=5.5.5.5 natPoolName=pool1 destinationTranslatedAddress=3.3.3.3 MSISDN=40700000001 IMEI=99990000000010 IMSI=083901216493855 CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15 CUSTOM3=NAS-IP-Address=11.14.10.15 ChargingGatewayAddress=7.7.7.7 SGSNAddress=8.8.8.8 GGSNAddress=9.9.9.9 RATtype=3GPP-RAT-TYPE UserLocation=attribute custom2 Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address custom3Name=NAS-IP-Address reason=Reason for error cnt=5                                      |                    |                                                                   |                                                             |                     |                            |
| Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Type               | Value                                                             |                                                             | Description         |                            |
| proto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | String             | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP<br>ICMPv6 |                                                             | Protocol            |                            |
| src                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | String             | {Source_IPv4_Address}                                             |                                                             | Source IPv4 Address |                            |

|                              |                                                                                                                                                                                                                 |                                            |                                          |             |                        |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------|-------------|------------------------|
| natPoolName                  | String                                                                                                                                                                                                          | {NAT_Pool_name}                            | NAT Pool name                            |             |                        |
| destinationTranslatedAddress | String                                                                                                                                                                                                          | {Translated_Destination_Address}           | Translated Destination Address           |             |                        |
| MSISDN                       | String                                                                                                                                                                                                          | {Mobile_Phone_number_of_the_subscriber}    | Mobile Phone number of the subscriber    |             |                        |
| IMEI                         | String                                                                                                                                                                                                          | {Unique_ID_for_the_device}                 | Unique ID for the device                 |             |                        |
| IMSI                         | String                                                                                                                                                                                                          | {International_Mobile_Subscriber_identity} | International Mobile Subscriber identity |             |                        |
| CUSTOM1                      | String                                                                                                                                                                                                          | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| CUSTOM2                      | String                                                                                                                                                                                                          | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| CUSTOM3                      | String                                                                                                                                                                                                          | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| ChargingGatewayAddress       | String                                                                                                                                                                                                          | {Charging_Gateway_Address}                 | Charging Gateway Address                 |             |                        |
| SGSNaddress                  | String                                                                                                                                                                                                          | {Serving_GPRS_Support_Node_address}        | Serving GPRS Support Node address        |             |                        |
| GGSNaddress                  | String                                                                                                                                                                                                          | {Gateway_GPRS_Support_Node_address}        | Gateway GPRS Support Node address        |             |                        |
| RATtype                      | String                                                                                                                                                                                                          | 3GPP-RAT-TYPE                              | Radio Access Technology                  |             |                        |
| UserLocation                 | String                                                                                                                                                                                                          | attribute custom2 Location number 32       | User Location                            |             |                        |
| custom1Name                  | String                                                                                                                                                                                                          | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| custom2Name                  | String                                                                                                                                                                                                          | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| custom3Name                  | String                                                                                                                                                                                                          | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| Reason                       | String                                                                                                                                                                                                          | {reason}                                   | reason                                   |             |                        |
| count                        | Unsigned Integer                                                                                                                                                                                                | {Count}                                    | Count                                    |             |                        |
| http-request-host            | 517985150525505543                                                                                                                                                                                              | Remote only                                | HTTP Request received (Host Log)         | information | cgnv6.template.logging |
| <b>CEF</b>                   |                                                                                                                                                                                                                 |                                            |                                          |             |                        |
| Format                       | src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: sourceTranslatedAddress=\$sourceTranslatedAddress:%s: sourceTranslatedPort=\$sourceTranslatedPort:%u: Q=\$Q:%u: requestMethod=\$RM:%s: shost=\$HOST:%s: |                                            |                                          |             |                        |
| Example                      | src=5.5.5.5 spt=1 dst=5.5.5.5 dpt=1 sourceTranslatedAddress=6.6.6.6 sourceTranslatedPort=1 Q=120 requestMethod=requestMethod shost=hostx                                                                        |                                            |                                          |             |                        |

| Variable                | Type                                                                                                                                                                                                             | Value                            |                                 | Description                    |                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|--------------------------------|------------------------|
| src                     | String                                                                                                                                                                                                           | {Source_IPv4_Address}            |                                 | Source IPv4 Address            |                        |
| spt                     | Unsigned Integer                                                                                                                                                                                                 | 1-65535                          |                                 | Source Port                    |                        |
| dst                     | String                                                                                                                                                                                                           | {Destination_IPv4_Address}       |                                 | Destination IPv4 Address       |                        |
| dpt                     | Unsigned Integer                                                                                                                                                                                                 | 1-65535                          |                                 | Destination Port               |                        |
| sourceTranslatedAddress | String                                                                                                                                                                                                           | {Source_Translated_IPv4_Address} |                                 | Source Translated IPv4 Address |                        |
| sourceTranslatedPort    | Unsigned Integer                                                                                                                                                                                                 | 1-65535                          |                                 | Source Translated Port         |                        |
| Q                       | Unsigned Integer                                                                                                                                                                                                 | {requestNumber}                  |                                 | requestNumber                  |                        |
| RM                      | String                                                                                                                                                                                                           | requestMethod                    |                                 | requestMethod                  |                        |
| HOST                    | String                                                                                                                                                                                                           | {Host}                           |                                 | Host                           |                        |
| http-request-url        | 517985150525505544                                                                                                                                                                                               | Remote only                      | HTTP Request received (URL Log) | information                    | cgnv6.template.logging |
| CEF                     |                                                                                                                                                                                                                  |                                  |                                 |                                |                        |
| Format                  | src=\$src:%s: spt=\$spt:%u: dst=\$dst:%s: dpt=\$dpt:%u: sourceTranslatedAddress=\$sourceTranslatedAddress:%s: sourceTranslatedPort=\$sourceTranslatedPort:%u: Q=\$Q:%u: requestMethod=\$RM:%s: request=\$URL:%s: |                                  |                                 |                                |                        |
| Example                 | src=5.5.5.5 spt=1 dst=5.5.5.5 dpt=1 sourceTranslatedAddress=6.6.6.6 sourceTranslatedPort=1 Q=120 requestMethod=requestMethod request=/test/demo_form.php?name1=value1                                            |                                  |                                 |                                |                        |
| Variable                | Type                                                                                                                                                                                                             | Value                            |                                 | Description                    |                        |
| src                     | String                                                                                                                                                                                                           | {Source_IPv4_Address}            |                                 | Source IPv4 Address            |                        |
| spt                     | Unsigned Integer                                                                                                                                                                                                 | 1-65535                          |                                 | Source Port                    |                        |
| dst                     | String                                                                                                                                                                                                           | {Destination_IPv4_Address}       |                                 | Destination IPv4 Address       |                        |
| dpt                     | Unsigned Integer                                                                                                                                                                                                 | 1-65535                          |                                 | Destination Port               |                        |
| sourceTranslatedAddress | String                                                                                                                                                                                                           | {Source_Translated_IPv4_Address} |                                 | Source Translated IPv4 Address |                        |
| sourceTranslatedPort    | Unsigned Integer                                                                                                                                                                                                 | 1-65535                          |                                 | Source Translated Port         |                        |
| Q                       | Unsigned Integer                                                                                                                                                                                                 | {requestNumber}                  |                                 | requestNumber                  |                        |
| RM                      | String                                                                                                                                                                                                           | requestMethod                    |                                 | requestMethod                  |                        |
| URL                     | String                                                                                                                                                                                                           | {URL}                            |                                 | URL                            |                        |
|                         |                                                                                                                                                                                                                  |                                  | NAT port allocated from a port  |                                |                        |

| port-batch-pool-create  | 517985150525505541                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Remote only                                                       | batching pool                            | information | cgnv6.template.logging |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------|-------------|------------------------|
| CEF                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                   |                                          |             |                        |
| Format                  | proto=\$proto:%s: src=\$src:%s: sourceTranslatedAddress=\$sourceTranslatedAddress:%s: sourceTranslatedPort=\$sourceTranslatedPort:%u:<br>cn3=\$cn3:%u: cn3Label=Last Nat Port MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s:<br>CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s:<br>SGSNAddress=\$SGSNAddress:%s: GGSNAddress=\$GGSNAddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s:<br>custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: |                                                                   |                                          |             |                        |
| Example                 | proto=OTHER src=5.5.5.5 sourceTranslatedAddress=6.6.6.6 sourceTranslatedPort=1 cn3=1 cn3Label=Last Nat Port MSISDN=40700000001<br>IMEI=999900000000010 IMSI=083901216493855 CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15<br>CUSTOM3=NAS-IP-Address=11.14.10.15 ChargingGatewayAddress=7.7.7.7 SGSNAddress=8.8.8.8 GGSNAddress=9.9.9.9 RATtype=3GPP-<br>RAT-TYPE UserLocation=attribute custom2 Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address<br>custom3Name=NAS-IP-Address                                               |                                                                   |                                          |             |                        |
| Variable                | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Value                                                             | Description                              |             |                        |
| proto                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP<br>ICMPv6 | Protocol                                 |             |                        |
| src                     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Source_IPv4_Address}                                             | Source IPv4 Address                      |             |                        |
| sourceTranslatedAddress | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Source_Translated_IPv4_Address}                                  | Source Translated IPv4 Address           |             |                        |
| sourceTranslatedPort    | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1-65535                                                           | Source Translated Port                   |             |                        |
| cn3                     | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1-65535                                                           | NAT Port                                 |             |                        |
| MSISDN                  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Mobile_Phone_number_of_the_subscriber}                           | Mobile Phone number of the subscriber    |             |                        |
| IMEI                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Unique_ID_for_the_device}                                        | Unique ID for the device                 |             |                        |
| IMSI                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {International_Mobile_Subscriber_identity}                        | International Mobile Subscriber identity |             |                        |
| CUSTOM1                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |             |                        |
| CUSTOM2                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |             |                        |
| CUSTOM3                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |             |                        |
| ChargingGatewayAddress  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Charging_Gateway_Address}                                        | Charging Gateway Address                 |             |                        |
| SGSNAddress             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Serving_GPRS_Support_Node_address}                               | Serving GPRS Support Node address        |             |                        |

| GGSNaddress             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Gateway_GPRS_Support_Node_address}                               |                                            | Gateway GPRS Support Node address |                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|-----------------------------------|------------------------|
| RATtype                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3GPP-RAT-TYPE                                                     |                                            | Radio Access Technology           |                        |
| UserLocation            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | attribute custom2 Location number 32                              |                                            | User Location                     |                        |
| custom1Name             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NAS-IP-Address<br>Location<br>User-Name                           |                                            | Custom Attribute Name             |                        |
| custom2Name             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NAS-IP-Address<br>Location<br>User-Name                           |                                            | Custom Attribute Name             |                        |
| custom3Name             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NAS-IP-Address<br>Location<br>User-Name                           |                                            | Custom Attribute Name             |                        |
| port-batch-pool-delete  | 517985150525505542                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Remote only                                                       | NAT port deleted from a port batching pool | information                       | cgnv6.template.logging |
| CEF                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                   |                                            |                                   |                        |
| Format                  | proto=\$proto:%s: src=\$src:%s: sourceTranslatedAddress=\$sourceTranslatedAddress:%s: sourceTranslatedPort=\$sourceTranslatedPort:%u:<br>cn3=\$cn3:%u: cn3Label=Last Nat Port MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s:<br>CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s:<br>SGSNaddress=\$SGSNaddress:%s: GGSNaddress=\$GGSNaddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s:<br>custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: |                                                                   |                                            |                                   |                        |
| Example                 | proto=OTHER src=5.5.5.5 sourceTranslatedAddress=6.6.6.6 sourceTranslatedPort=1 cn3=1 cn3Label=Last Nat Port MSISDN=40700000001<br>IMEI=999900000000010 IMSI=083901216493855 CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15<br>CUSTOM3=NAS-IP-Address=11.14.10.15 ChargingGatewayAddress=7.7.7.7 SGSNaddress=8.8.8.8 GGSNaddress=9.9.9.9 RATtype=3GPP-<br>RAT-TYPE UserLocation=attribute custom2 Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address<br>custom3Name=NAS-IP-Address                                               |                                                                   |                                            |                                   |                        |
| Variable                | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Value                                                             |                                            | Description                       |                        |
| proto                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP<br>ICMPv6 |                                            | Protocol                          |                        |
| src                     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Source_IPv4_Address}                                             |                                            | Source IPv4 Address               |                        |
| sourceTranslatedAddress | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Source_Translated_IPv4_Address}                                  |                                            | Source Translated IPv4 Address    |                        |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |                                          |             |                        |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------|-------------|------------------------|
| sourceTranslatedPort   | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1-65535                                    | Source Translated Port                   |             |                        |
| cn3                    | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1-65535                                    | NAT Port                                 |             |                        |
| MSISDN                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Mobile_Phone_number_of_the_subscriber}    | Mobile Phone number of the subscriber    |             |                        |
| IMEI                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Unique_ID_for_the_device}                 | Unique ID for the device                 |             |                        |
| IMSI                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {International_Mobile_Subscriber_identity} | International Mobile Subscriber identity |             |                        |
| CUSTOM1                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| CUSTOM2                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| CUSTOM3                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| ChargingGatewayAddress | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Charging_Gateway_Address}                 | Charging Gateway Address                 |             |                        |
| SGSNaddress            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Serving_GPRS_Support_Node_address}        | Serving GPRS Support Node address        |             |                        |
| GGSNaddress            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Gateway_GPRS_Support_Node_address}        | Gateway GPRS Support Node address        |             |                        |
| RATtype                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3GPP-RAT-TYPE                              | Radio Access Technology                  |             |                        |
| UserLocation           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | attribute custom2 Location number 32       | User Location                            |             |                        |
| custom1Name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| custom2Name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| custom3Name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| port-mapping-create    | 517985150525505537                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Remote only                                | NAT Port has been allocated              | information | cgnv6.template.logging |
| CEF                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |                                          |             |                        |
| Format                 | proto=\$proto:%s src=\$src:%s: c6a2=\$c6a2:%s: c6a2Label=Source IPv6 Address spt=\$spt:%u:<br>sourceTranslatedAddress=\$sourceTranslatedAddress:%s: c6a3=\$c6a3:%s: c6a3Label=Dest IPv6 Address<br>sourceTranslatedPort=\$sourceTranslatedPort:%u: MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s:<br>CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s:<br>SGSNaddress=\$SGSNaddress:%s: GGSNaddress=\$GGSNaddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s:<br>custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: |                                            |                                          |             |                        |
| Example                | proto=OTHER src=5.5.5.5 c6a2=bbbb::cccc c6a2Label=Source IPv6 Address spt=1 sourceTranslatedAddress=6.6.6.6 c6a3=aaaa::bbbb<br>c6a3Label=Dest IPv6 Address sourceTranslatedPort=1 MSISDN=40700000001 IMEI=999900000000010 IMSI=083901216493855<br>CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15 CUSTOM3=NAS-IP-Address=11.14.10.15                                                                                                                                                                                                                                                                                        |                                            |                                          |             |                        |



ChargingGatewayAddress=7.7.7.7 SGSNAddress=8.8.8.8 GGSNAddress=9.9.9.9 RATtype=3GPP-RAT-TYPE UserLocation=attribute custom2  
Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address custom3Name=NAS-IP-Address

| Variable                | Type             | Value                                                             | Description                              |
|-------------------------|------------------|-------------------------------------------------------------------|------------------------------------------|
| proto                   | String           | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP<br>ICMPv6 | Protocol                                 |
| src                     | String           | {Source_IPv4_Address}                                             | Source IPv4 Address                      |
| c6a2                    | String           | {Source_IPv6_Address}                                             | Source IPv6 Address                      |
| spt                     | Unsigned Integer | 1-65535                                                           | Source Port                              |
| sourceTranslatedAddress | String           | {Source_Translated_IPv4_Address}                                  | Source Translated IPv4 Address           |
| c6a3                    | String           | {Dest_IPv6_Address}                                               | Dest IPv6 Address                        |
| sourceTranslatedPort    | Unsigned Integer | 1-65535                                                           | Source Translated Port                   |
| MSISDN                  | String           | {Mobile_Phone_number_of_the_subscriber}                           | Mobile Phone number of the subscriber    |
| IMEI                    | String           | {Unique_ID_for_the_device}                                        | Unique ID for the device                 |
| IMSI                    | String           | {International_Mobile_Subscriber_identity}                        | International Mobile Subscriber identity |
| CUSTOM1                 | String           | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |
| CUSTOM2                 | String           | {Custom_Attribut_Value}                                           | Custom Attribut Value                    |
| CUSTOM3                 | String           | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |
| ChargingGatewayAddress  | String           | {Charging_Gateway_Address}                                        | Charging Gateway Address                 |
| SGSNAddress             | String           | {Serving_GPRS_Support_Node_address}                               | Serving GPRS Support Node address        |
| GGSNAddress             | String           | {Gateway_GPRS_Support_Node_address}                               | Gateway GPRS Support Node address        |
| RATtype                 | String           | 3GPP-RAT-TYPE                                                     | Radio Access Technology                  |
| UserLocation            | String           | attribute custom2 Location number 32                              | User Location                            |
| custom1Name             | String           | NAS-IP-Address<br>Location<br>User-Name                           | Custom Attribute Name                    |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                   |                           |                                       |                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------|---------------------------------------|------------------------|
| custom2Name             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAS-IP-Address<br>Location<br>User-Name                           |                           | Custom Attribute Name                 |                        |
| custom3Name             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAS-IP-Address<br>Location<br>User-Name                           |                           | Custom Attribute Name                 |                        |
| port-mapping-delete     | 517985150525505538                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Remote only                                                       | NAT Port has been removed | information                           | cgnv6.template.logging |
| CEF                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                   |                           |                                       |                        |
| Format                  | proto=\$proto:%s: src=\$src:%s: c6a2=\$c6a2:%s: c6a2Label=Source IPv6 Address spt=\$spt:%u:<br>sourceTranslatedAddress=\$sourceTranslatedAddress:%s: c6a3=\$c6a3:%s: c6a3Label=Dest IPv6 Address<br>sourceTranslatedPort=\$sourceTranslatedPort:%u: MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s:<br>CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s:<br>SGSNaddress=\$SGSNaddress:%s: GGSNaddress=\$GGSNaddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s:<br>custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: |                                                                   |                           |                                       |                        |
| Example                 | proto=OTHER src=5.5.5.5 c6a2=bbbb::cccc c6a2Label=Source IPv6 Address spt=1 sourceTranslatedAddress=6.6.6.6 c6a3=aaaa::bbbb<br>c6a3Label=Dest IPv6 Address sourceTranslatedPort=1 MSISDN=40700000001 IMEI=999900000000010 IMSI=083901216493855<br>CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15 CUSTOM3=NAS-IP-Address=11.14.10.15<br>ChargingGatewayAddress=7.7.7.7 SGSNaddress=8.8.8.8 GGSNaddress=9.9.9.9 RATtype=3GPP-RAT-TYPE UserLocation=attribute custom2<br>Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address custom3Name=NAS-IP-Address                                                   |                                                                   |                           |                                       |                        |
| Variable                | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Value                                                             |                           | Description                           |                        |
| proto                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP<br>ICMPv6 |                           | Protocol                              |                        |
| src                     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Source_IPv4_Address}                                             |                           | Source IPv4 Address                   |                        |
| c6a2                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Source_IPv6_Address}                                             |                           | Source IPv6 Address                   |                        |
| spt                     | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1-65535                                                           |                           | Source Port                           |                        |
| sourceTranslatedAddress | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Source_Translated_IPv4_Address}                                  |                           | Source Translated IPv4 Address        |                        |
| c6a3                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Dest_IPv6_Address}                                               |                           | Dest IPv6 Address                     |                        |
| sourceTranslatedPort    | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1-65535                                                           |                           | Source Translated Port                |                        |
| MSISDN                  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Mobile_Phone_number_of_the_subscriber}                           |                           | Mobile Phone number of the subscriber |                        |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                          |             |                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------|-------------|------------------------|
| IMEI                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Unique_ID_for_the_device}                 | Unique ID for the device                 |             |                        |
| IMSI                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {International_Mobile_Subscriber_identity} | International Mobile Subscriber identity |             |                        |
| CUSTOM1                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| CUSTOM2                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| CUSTOM3                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Custom_Attribute_Value}                   | Custom Attribute Value                   |             |                        |
| ChargingGatewayAddress | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Charging_Gateway_Address}                 | Charging Gateway Address                 |             |                        |
| SGSNaddress            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Serving_GPRS_Support_Node_address}        | Serving GPRS Support Node address        |             |                        |
| GGSNaddress            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Gateway_GPRS_Support_Node_address}        | Gateway GPRS Support Node address        |             |                        |
| RATtype                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3GPP-RAT-TYPE                              | Radio Access Technology                  |             |                        |
| UserLocation           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | attribute custom2 Location number 32       | User Location                            |             |                        |
| custom1Name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| custom2Name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| custom3Name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |             |                        |
| session-created        | 517985150525505539                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Remote only                                | Data Session has been created            | information | cgnv6.template.logging |
| CEF                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                          |             |                        |
| Format                 | proto=\$proto:%s src=\$src:%s: c6a2=\$c6a2:%s: c6a2Label=Source IPv6 Address spt=\$spt:%u: dst=\$dst:%s: c6a3=\$c6a3:%s: c6a3Label=Dest IPv6 Address dpt=\$dpt:%u: sourceTranslatedAddress=\$sourceTranslatedAddress:%s: c6a1=\$c6a1:%s: c6a1Label=Source Translated IPv6 Address sourceTranslatedPort=\$sourceTranslatedPort:%u: destinationTranslatedAddress=\$destinationTranslatedAddress:%s: c6a4=\$c6a4:%s: c6a4Label=Dest Translated IPv6 Address destinationTranslatedPort=\$destinationTranslatedPort:%u: MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s: CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s: SGSNaddress=\$SGSNaddress:%s: GGSNaddress=\$GGSNaddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s: custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: app=\$app:%s: cs7=\$app:%s: cs7Label=Application Category |                                            |                                          |             |                        |
| Example                | proto=OTHER src=5.5.5.5 c6a2=bbbb::cccc c6a2Label=Source IPv6 Address spt=1 dst=5.5.5.5 c6a3=aaaa::bbbb c6a3Label=Dest IPv6 Address dpt=1 sourceTranslatedAddress=6.6.6.6 c6a1=bbbb::cccc c6a1Label=Source Translated IPv6 Address sourceTranslatedPort=1 destinationTranslatedAddress=5.5.5.5 c6a4=bbbb::cccc c6a4Label=Dest Translated IPv6 Address destinationTranslatedPort=1 MSISDN=40700000001 IMEI=999900000000010 IMSI=083901216493855 CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15 CUSTOM3=NAS-IP-Address=11.14.10.15 ChargingGatewayAddress=7.7.7.7 SGSNaddress=8.8.8.8 GGSNaddress=9.9.9.9 RATtype=3GPP-RAT-TYPE UserLocation=attribute custom2 Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address custom3Name=NAS-IP-Address app=cgnv6app cs7=cgnv6app cs7Label=Application Category                                                                                                                    |                                            |                                          |             |                        |

| Variable                     | Type             | Value                                                             | Description                              |
|------------------------------|------------------|-------------------------------------------------------------------|------------------------------------------|
| proto                        | String           | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP<br>ICMPv6 | Protocol                                 |
| src                          | String           | {Source_IPv4_Address}                                             | Source IPv4 Address                      |
| c6a2                         | String           | {Source_IPv6_Address}                                             | Source IPv6 Address                      |
| spt                          | Unsigned Integer | 1-65535                                                           | Source Port                              |
| dst                          | String           | {Destination_IPv4_Address}                                        | Destination IPv4 Address                 |
| c6a3                         | String           | {Dest_IPv6_Address}                                               | Dest IPv6 Address                        |
| dpt                          | Unsigned Integer | 1-65535                                                           | Destination Port                         |
| sourceTranslatedAddress      | String           | {Source_Translated_IPv4_Address}                                  | Source Translated IPv4 Address           |
| c6a1                         | String           | {IPv6_Address}                                                    | IPv6 Address                             |
| sourceTranslatedPort         | Unsigned Integer | 1-65535                                                           | Source Translated Port                   |
| destinationTranslatedAddress | String           | {Translated_Destination_Address}                                  | Translated Destination Address           |
| c6a4                         | String           | {IPv6_Address}                                                    | IPv6 Address                             |
| destinationTranslatedPort    | Unsigned Integer | 1-65535                                                           | Destination Translated Port              |
| MSISDN                       | String           | {Mobile_Phone_number_of_the_subscriber}                           | Mobile Phone number of the subscriber    |
| IMEI                         | String           | {Unique_ID_for_the_device}                                        | Unique ID for the device                 |
| IMSI                         | String           | {International_Mobile_Subscriber_identity}                        | International Mobile Subscriber identity |
| CUSTOM1                      | String           | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |
| CUSTOM2                      | String           | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |
| CUSTOM3                      | String           | {Custom_Attribute_Value}                                          | Custom Attribute Value                   |
| ChargingGatewayAddress       | String           | {Charging_Gateway_Address}                                        | Charging Gateway Address                 |
| SGSNaddress                  | String           | {Serving_GPRS_Support_Node_address}                               | Serving GPRS Support Node address        |

| GGSNAddress     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | {Gateway_GPRS_Support_Node_address}                     |                               | Gateway GPRS Support Node address |                        |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------|-----------------------------------|------------------------|
| RATtype         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3GPP-RAT-TYPE                                           |                               | Radio Access Technology           |                        |
| UserLocation    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | attribute custom2 Location number 32                    |                               | User Location                     |                        |
| custom1Name     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NAS-IP-Address<br>Location<br>User-Name                 |                               | Custom Attribute Name             |                        |
| custom2Name     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NAS-IP-Address<br>Location<br>User-Name                 |                               | Custom Attribute Name             |                        |
| custom3Name     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NAS-IP-Address<br>Location<br>User-Name                 |                               | Custom Attribute Name             |                        |
| app             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | {App_Name}                                              |                               | App Name                          |                        |
| session-deleted | 517985150525505540                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Remote only                                             | Data Session has been deleted | information                       | cgnv6.template.logging |
| CEF             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |                               |                                   |                        |
| Format          | proto=\$proto:%s: src=\$src:%s: c6a2=\$c6a2:%s: c6a2Label=Source IPv6 Address spt=\$spt:%u: dst=\$dst:%s: c6a3=\$c6a3:%s: c6a3Label=Dest IPv6 Address dpt=\$dpt:%u: sourceTranslatedAddress=\$sourceTranslatedAddress:%s: c6a1=\$c6a1:%s: c6a1Label=Source Translated IPv6 Address sourceTranslatedPort=\$sourceTranslatedPort:%u: destinationTranslatedAddress=\$destinationTranslatedAddress:%s: c6a4=\$c6a4:%s: c6a4Label=Dest Translated IPv6 Address destinationTranslatedPort=\$destinationTranslatedPort:%u: MSISDN=\$MSISDN:%s: IMEI=\$IMEI:%s: IMSI=\$IMSI:%s: CUSTOM1=\$CUSTOM1:%s: CUSTOM2=\$CUSTOM2:%s: CUSTOM3=\$CUSTOM3:%s: ChargingGatewayAddress=\$ChargingGatewayAddress:%s: SGSNAddress=\$SGSNAddress:%s: GGSNAddress=\$GGSNAddress:%s: RATtype=\$RATtype:%s: UserLocation=\$UserLocation:%s: custom1Name=\$custom1Name:%s: custom2Name=\$custom2Name:%s: custom3Name=\$custom3Name:%s: app=\$app:%s: cs7=\$app:%s: cs7Label=Application Category |                                                         |                               |                                   |                        |
| Example         | proto=OTHER src=5.5.5.5 c6a2=bbbb::cccc c6a2Label=Source IPv6 Address spt=1 dst=5.5.5.5 c6a3=aaaa::bbbb c6a3Label=Dest IPv6 Address dpt=1 sourceTranslatedAddress=6.6.6.6 c6a1=bbbb::cccc c6a1Label=Source Translated IPv6 Address sourceTranslatedPort=1 destinationTranslatedAddress=5.5.5.5 c6a4=bbbb::cccc c6a4Label=Dest Translated IPv6 Address destinationTranslatedPort=1 MSISDN=40700000001 IMEI=999900000000010 IMSI=083901216493855 CUSTOM1=NAS-IP-Address=11.14.10.15 CUSTOM2=NAS-IP-Address=11.14.10.15 CUSTOM3=NAS-IP-Address=11.14.10.15 ChargingGatewayAddress=7.7.7.7 SGSNAddress=8.8.8.8 GGSNAddress=9.9.9.9 RATtype=3GPP-RAT-TYPE UserLocation=attribute custom2 Location number 32 custom1Name=NAS-IP-Address custom2Name=NAS-IP-Address custom3Name=NAS-IP-Address app=cgnv6app cs7=cgnv6app cs7Label=Application Category                                                                                                                     |                                                         |                               |                                   |                        |
| Variable        | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Value                                                   |                               | Description                       |                        |
| proto           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OTHER<br>TCP<br>UDP<br>ICMP<br>IP<br>GRE<br>ESP<br>RTSP |                               | Protocol                          |                        |

| ICMPv6                       |                  |                                            |                                          |
|------------------------------|------------------|--------------------------------------------|------------------------------------------|
| src                          | String           | {Source_IPv4_Address}                      | Source IPv4 Address                      |
| c6a2                         | String           | {Source_IPv6_Address}                      | Source IPv6 Address                      |
| spt                          | Unsigned Integer | 1-65535                                    | Source Port                              |
| dst                          | String           | {Destination_IPv4_Address}                 | Destination IPv4 Address                 |
| c6a3                         | String           | {Dest_IPv6_Address}                        | Dest IPv6 Address                        |
| dpt                          | Unsigned Integer | 1-65535                                    | Destination Port                         |
| sourceTranslatedAddress      | String           | {Source_Translated_IPv4_Address}           | Source Translated IPv4 Address           |
| c6a1                         | String           | {IPv6_Address}                             | IPv6 Address                             |
| sourceTranslatedPort         | Unsigned Integer | 1-65535                                    | Source Translated Port                   |
| destinationTranslatedAddress | String           | {Translated_Destination_Address}           | Translated Destination Address           |
| c6a4                         | String           | {IPv6_Address}                             | IPv6 Address                             |
| destinationTranslatedPort    | Unsigned Integer | 1-65535                                    | Destination Translated Port              |
| MSISDN                       | String           | {Mobile_Phone_number_of_the_subscriber}    | Mobile Phone number of the subscriber    |
| IMEI                         | String           | {Unique_ID_for_the_device}                 | Unique ID for the device                 |
| IMSI                         | String           | {International_Mobile_Subscriber_identity} | International Mobile Subscriber identity |
| CUSTOM1                      | String           | {Custom_Attribute_Value}                   | Custom Attribute Value                   |
| CUSTOM2                      | String           | {Custom_Attribute_Value}                   | Custom Attribute Value                   |
| CUSTOM3                      | String           | {Custom_Attribute_Value}                   | Custom Attribute Value                   |
| ChargingGatewayAddress       | String           | {Charging_Gateway_Address}                 | Charging Gateway Address                 |
| SGSNaddress                  | String           | {Serving_GPRS_Support_Node_address}        | Serving GPRS Support Node address        |
| GGSNaddress                  | String           | {Gateway_GPRS_Support_Node_address}        | Gateway GPRS Support Node address        |
| RATtype                      | String           | 3GPP-RAT-TYPE                              | Radio Access Technology                  |
| UserLocation                 | String           | attribute custom2 Location number 32       | User Location                            |
| custom1Name                  | String           | NAS-IP-Address<br>Location<br>User-Name    | Custom Attribute Name                    |
|                              |                  |                                            |                                          |

|                   |                                                            |                                         |                                  |             |               |
|-------------------|------------------------------------------------------------|-----------------------------------------|----------------------------------|-------------|---------------|
| custom2Name       | String                                                     | NAS-IP-Address<br>Location<br>User-Name | Custom Attribute Name            |             |               |
| custom3Name       | String                                                     | NAS-IP-Address<br>Location<br>User-Name | Custom Attribute Name            |             |               |
| app               | String                                                     | {App_Name}                              | App Name                         |             |               |
| blade-fail-status | 693554342615056385                                         | Both Local and Remote                   | System chasis reset              | error       | chassis-infra |
| SYSLOG            |                                                            |                                         |                                  |             |               |
| Format            | \$info:%s: \$action:%s:                                    |                                         |                                  |             |               |
| Example           | Blade system-reset done. Blade will reboot itself.         |                                         |                                  |             |               |
| Variable          | Type                                                       | Value                                   |                                  | Description |               |
| info              | String                                                     | {more_info}                             |                                  | more info   |               |
| action            | String                                                     | {next_step}                             |                                  | next step   |               |
| blade-reboot      | 693554342615056388                                         | Both Local and Remote                   | System chasis reboot             | emergency   | chassis-infra |
| SYSLOG            |                                                            |                                         |                                  |             |               |
| Format            | \$operation:%s: . \$info:%s:                               |                                         |                                  |             |               |
| Example           | Blade underwent a pending system-reset . Blade will reboot |                                         |                                  |             |               |
| Variable          | Type                                                       | Value                                   |                                  | Description |               |
| operation         | String                                                     | {more_info}                             |                                  | more info   |               |
| info              | String                                                     | {next_step}                             |                                  | next step   |               |
| clidbg-connect    | 693554342615056390                                         | Both Local and Remote                   | MASTER/BLADE a10clidbg Connected | information | chassis-infra |
| SYSLOG            |                                                            |                                         |                                  |             |               |
| Format            | \$dev:%s: a10clidbg Connected                              |                                         |                                  |             |               |
| Example           | MASTER/BLADE a10clidbg Connected                           |                                         |                                  |             |               |
| Variable          | Type                                                       | Value                                   |                                  | Description |               |
| dev               | String                                                     | {chassis}                               |                                  | chassis     |               |

| clidbg-disconnect  | 693554342615056391                   | Both Local and Remote | MASTER/BLADE a10clidbg disconnected | information | chassis-infra |
|--------------------|--------------------------------------|-----------------------|-------------------------------------|-------------|---------------|
| <b>SYSLOG</b>      |                                      |                       |                                     |             |               |
| Format             | \$dev:%s: a10clidbg disconnected     |                       |                                     |             |               |
| Example            | MASTER/BLADE a10clidbg disconnected  |                       |                                     |             |               |
| Variable           | Type                                 | Value                 |                                     | Description |               |
| dev                | String                               | {chassis}             |                                     | chassis     |               |
| init               | 693554342615056394                   | Both Local and Remote | Blade/Master init done.             | information | chassis-infra |
| <b>SYSLOG</b>      |                                      |                       |                                     |             |               |
| Format             | [A10SYSCFG]: \$dev:%s: init done.    |                       |                                     |             |               |
| Example            | [A10SYSCFG]: MASTER/BLADE init done. |                       |                                     |             |               |
| Variable           | Type                                 | Value                 |                                     | Description |               |
| dev                | String                               | {chassis}             |                                     | chassis     |               |
| restore-succ       | 693554342615056393                   | Both Local and Remote | Restore on Blade succeeded.         | information | chassis-infra |
| <b>SYSLOG</b>      |                                      |                       |                                     |             |               |
| Format             | Restore on Blade succeeded.          |                       |                                     |             |               |
| scm-init           | 693554342615056396                   | Both Local and Remote | Blade/Master init done.             | information | chassis-infra |
| <b>SYSLOG</b>      |                                      |                       |                                     |             |               |
| Format             | [A10SCM]: \$dev:%s: init done.       |                       |                                     |             |               |
| Example            | [A10SCM]: MASTER init done.          |                       |                                     |             |               |
| Variable           | Type                                 | Value                 |                                     | Description |               |
| dev                | String                               | MASTER<br>BLADE       |                                     | chassis     |               |
| scmcfg-create-fail | 693554342615056397                   | Both Local and Remote | thread create api failed            | information | chassis-infra |
| <b>SYSLOG</b>      |                                      |                       |                                     |             |               |



|                    |                    |                                                                                                            |                              |                                  |               |
|--------------------|--------------------|------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|---------------|
| Format             |                    | [A10SCM]: The thread create a10scmd_task api failed                                                        |                              |                                  |               |
| syscfg-create-fail | 693554342615056395 | Both Local and Remote                                                                                      | thread create api failed     | warning                          | chassis-infra |
| SYSLOG             |                    |                                                                                                            |                              |                                  |               |
| Format             |                    | [A10SYSCFGD]: The thread create a10syscfgd_task api failed                                                 |                              |                                  |               |
| thread-create-fail | 693554342615056392 | Both Local and Remote                                                                                      | The thread create api failed | warning                          | chassis-infra |
| SYSLOG             |                    |                                                                                                            |                              |                                  |               |
| Format             |                    | [CLI_DEBUG_MON]: The thread create \$dev:%s: api failed                                                    |                              |                                  |               |
| Example            |                    | [CLI_DEBUG_MON]: The thread create connection api failed                                                   |                              |                                  |               |
| Variable           | Type               | Value                                                                                                      |                              | Description                      |               |
| dev                | String             | {process_name}                                                                                             |                              | process name                     |               |
| config_failure     | 243194379878006795 | Both Local and Remote                                                                                      | Failed to add a class list   | warning                          | class-list    |
| CEF                |                    |                                                                                                            |                              |                                  |               |
| Format             |                    | cs1=\$name:%s: cs1Label=List Name cs2=\$config_type:%s: cs2Label=Config Type cs3=\$str:%s: cs3Label=String |                              |                                  |               |
| Example            |                    | cs1=clist_name cs1Label=List Name cs2=string cs2Label=Config Type cs3=a10networks cs3Label=String          |                              |                                  |               |
| SYSLOG             |                    |                                                                                                            |                              |                                  |               |
| Format             |                    | Classlist \$name:%s:: Fail to config \$config_type:%s: \$str:%s:.                                          |                              |                                  |               |
| Example            |                    | Classlist clist_name: Fail to config string a10networks.                                                   |                              |                                  |               |
| Variable           | Type               | Value                                                                                                      |                              | Description                      |               |
| name               | String             | {class_list_name}                                                                                          |                              | class list name                  |               |
| config_type        | String             | string domain                                                                                              |                              | Type                             |               |
| str                | String             | {class_list_string_or_domain_name}                                                                         |                              | class list string or domain name |               |
| duplicate          | 243194379878006787 | Both Local and Remote                                                                                      | List has a duplicate entry   | information                      | class-list    |
| CEF                |                    |                                                                                                            |                              |                                  |               |

| Format    | cs1=\$list_type:%s: cs1Label=Type of list cs2=\$name:%s: cs2Label=List Name cs3=\$dup_type:%s: cs3Label=Duplicate Type cs4=\$address:%s: cs4Label=Address cn1=\$line:%d: cn1Label=Line Number |                                   |                                    |                                 |            |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------|---------------------------------|------------|
| Example   | cs1=Classlist cs1Label=Type of list cs2=clist_name cs2Label=List Name cs3=IPv6 address cs3Label=Duplicate Type cs4=100::1 cs4Label=Address cn1=100 cn1Label=Line Number                       |                                   |                                    |                                 |            |
| SYSLOG    |                                                                                                                                                                                               |                                   |                                    |                                 |            |
| Format    | \$list_type:%s: \$name:%s:: Duplicate \$dup_type:%s: \$address:%s: detected on line \$line:%d:.                                                                                               |                                   |                                    |                                 |            |
| Example   | Classlist clist_name: Duplicate IPv6 address 100::1 detected on line 100.                                                                                                                     |                                   |                                    |                                 |            |
| Variable  | Type                                                                                                                                                                                          | Value                             |                                    | Description                     |            |
| list_type | String                                                                                                                                                                                        | Classlist<br>Blacklist/Whitelist  |                                    | Type of list                    |            |
| name      | String                                                                                                                                                                                        | {class_list_name}                 |                                    | class list name                 |            |
| dup_type  | String                                                                                                                                                                                        | {duplicate_entry_type}            |                                    | duplicate entry type            |            |
| address   | String                                                                                                                                                                                        | {address_which_is_duplicate}      |                                    | address which is duplicate      |            |
| line      | Integer                                                                                                                                                                                       | {line_number_where_error_happend} |                                    | line number where error happend |            |
| exceed    | 243194379878006788                                                                                                                                                                            | Both Local and Remote             | Class list count has been exceeded | information                     | class-list |
| CEF       |                                                                                                                                                                                               |                                   |                                    |                                 |            |
| Format    | cs1=\$list_type:%s: cs1Label=Type of list cs2=\$name:%s: cs2Label=List Name cs3=\$cnt_type:%s: cs3Label=Count Type cn1=\$count:%d: cn1Label=Count cn2=\$line:%d: cn2Label=Line Number         |                                   |                                    |                                 |            |
| Example   | cs1=Classlist cs1Label=Type of list cs2=clist_name cs2Label=List Name cs3=IP total cs3Label=Count Type cn1=100000 cn1Label=Count cn2=100 cn2Label=Line Number                                 |                                   |                                    |                                 |            |
| SYSLOG    |                                                                                                                                                                                               |                                   |                                    |                                 |            |
| Format    | \$list_type:%s: \$name:%s:: \$cnt_type:%s: count exceeded \$count:%d: on line \$line:%d:.                                                                                                     |                                   |                                    |                                 |            |
| Example   | Classlist clist_name: IP total count exceeded 100000 on line 100.                                                                                                                             |                                   |                                    |                                 |            |
| Variable  | Type                                                                                                                                                                                          | Value                             |                                    | Description                     |            |
| list_type | String                                                                                                                                                                                        | Classlist<br>Blacklist/Whitelist  |                                    | Type of list                    |            |
| name      | String                                                                                                                                                                                        | {class_list_name}                 |                                    | class list name                 |            |
| cnt_type  | String                                                                                                                                                                                        | {Type_of_Count}                   |                                    | Type of Count                   |            |
| count     | Integer                                                                                                                                                                                       | {Count_which_has_been_exceeded}   |                                    | Count which has been exceeded   |            |

|              |                                                                                                                                       |                                   |                                                                        |                                 |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------|---------------------------------|------------|
| line         | Integer                                                                                                                               | {line_number_where_error_happend} |                                                                        | line number where error happend |            |
| information  | 243194379878006793                                                                                                                    | Both Local and Remote             | Class list has been loaded                                             | information                     | class-list |
| CEF          |                                                                                                                                       |                                   |                                                                        |                                 |            |
| Format       | cs1=\$list_type:%s: cs1Label=Type of list cs2=\$name:%s: cs2Label=List Name cs3=\$log:%s: cs3Label=Log                                |                                   |                                                                        |                                 |            |
| Example      | cs1=Classlist cs1Label=Type of list cs2=clist_name cs2Label=List Name cs3=loaded into AX. cs3Label=Log                                |                                   |                                                                        |                                 |            |
| SYSLOG       |                                                                                                                                       |                                   |                                                                        |                                 |            |
| Format       | \$list_type:%s: \$name:%s:: \$log:%s:                                                                                                 |                                   |                                                                        |                                 |            |
| Example      | Classlist clist_name: loaded into AX.                                                                                                 |                                   |                                                                        |                                 |            |
| Variable     | Type                                                                                                                                  | Value                             |                                                                        | Description                     |            |
| list_type    | String                                                                                                                                | Classlist<br>Blacklist/Whitelist  |                                                                        | Type of list                    |            |
| name         | String                                                                                                                                | {class_list_name}                 |                                                                        | class list name                 |            |
| log          | String                                                                                                                                | {log_message}                     |                                                                        | log message                     |            |
| invalid_char | 243194379878006790                                                                                                                    | Both Local and Remote             | black and white list has an invalid character in the line to be parsed | warning                         | class-list |
| CEF          |                                                                                                                                       |                                   |                                                                        |                                 |            |
| Format       | cs1=\$name:%s: cs1Label=List Name cs2=\$char:%s: cs2Label=Character cs3=\$str:%s: cs3Label=String cn1=\$line:%d: cn1Label=Line Number |                                   |                                                                        |                                 |            |
| Example      | cs1=bw_name cs1Label=List Name cs2=33 cs2Label=Character cs3=33 cs3Label=String cn1=100 cn1Label=Line Number                          |                                   |                                                                        |                                 |            |
| SYSLOG       |                                                                                                                                       |                                   |                                                                        |                                 |            |
| Format       | Blacklist/Whitelist \$name:%s:: Invalid character \$char:%s: for \$str:%s: at line \$line:%d:.                                        |                                   |                                                                        |                                 |            |
| Example      | Blacklist/Whitelist bw_name: Invalid character 33 for 33 at line 100.                                                                 |                                   |                                                                        |                                 |            |
| Variable     | Type                                                                                                                                  | Value                             |                                                                        | Description                     |            |
| name         | String                                                                                                                                | {black_and_white_list_name}       |                                                                        | black and white list name       |            |
| char         | String                                                                                                                                | {invalid_character}               |                                                                        | invalid character               |            |
| str          | String                                                                                                                                | {string_has_invalid_character}    |                                                                        | string has invalid character    |            |
| line         | Integer                                                                                                                               | {line_number_where_error_happend} |                                                                        | line number where error happend |            |
|              |                                                                                                                                       |                                   |                                                                        |                                 |            |

|                |                                                                                                                                                        |                                   |                                                     |                                 |            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------|---------------------------------|------------|
| invalid_format | 243194379878006789                                                                                                                                     | Both Local and Remote             | Classlist or Blacklist/Whitelist has Invalid Format | warning                         | class-list |
| CEF            |                                                                                                                                                        |                                   |                                                     |                                 |            |
| Format         | cs1=\$list_type:%s: cs1Label=Type of list cs2=\$name:%s: cs2Label=List Name cn1=\$line:%d: cn1Label=Line Number                                        |                                   |                                                     |                                 |            |
| Example        | cs1=Classlist cs1Label=Type of list cs2=clist_name cs2Label=List Name cn1=100 cn1Label=Line Number                                                     |                                   |                                                     |                                 |            |
| SYSLOG         |                                                                                                                                                        |                                   |                                                     |                                 |            |
| Format         | \$list_type:%s: \$name:%s:: Invalid format at line \$line:%d:.                                                                                         |                                   |                                                     |                                 |            |
| Example        | Classlist clist_name: Invalid format at line 100.                                                                                                      |                                   |                                                     |                                 |            |
| Variable       | Type                                                                                                                                                   | Value                             |                                                     | Description                     |            |
| list_type      | String                                                                                                                                                 | Classlist<br>Blacklist/Whitelist  |                                                     | Type of list                    |            |
| name           | String                                                                                                                                                 | {class_list_name}                 |                                                     | class list name                 |            |
| line           | Integer                                                                                                                                                | {line_number_where_error_happend} |                                                     | line number where error happend |            |
| invalid_ip     | 243194379878006796                                                                                                                                     | Both Local and Remote             | List has an invalid ip entry                        | warning                         | class-list |
| CEF            |                                                                                                                                                        |                                   |                                                     |                                 |            |
| Format         | cs1=\$list_type:%s: cs1Label=Type of list cs2=\$name:%s: cs2Label=List Name cs3=\$ip_type:%s: cs3Label=Invalid Type cs4=\$address:%s: cs4Label=Address |                                   |                                                     |                                 |            |
| Example        | cs1=Classlist cs1Label=Type of list cs2=clist_name cs2Label=List Name cs3=IPv4 address cs3Label=Invalid Type cs4=found cs4Label=Address                |                                   |                                                     |                                 |            |
| SYSLOG         |                                                                                                                                                        |                                   |                                                     |                                 |            |
| Format         | \$list_type:%s: \$name:%s:: \$ip_type:%s: \$address:%s:                                                                                                |                                   |                                                     |                                 |            |
| Example        | Classlist clist_name: IPv4 address found                                                                                                               |                                   |                                                     |                                 |            |
| Variable       | Type                                                                                                                                                   | Value                             |                                                     | Description                     |            |
| list_type      | String                                                                                                                                                 | Classlist<br>Blacklist/Whitelist  |                                                     | Type of list                    |            |
| name           | String                                                                                                                                                 | {class_list_name}                 |                                                     | class list name                 |            |
| ip_type        | String                                                                                                                                                 | IPv4 address<br>IPv6 address      |                                                     | invalid entry type              |            |
| address        | String                                                                                                                                                 | found                             |                                                     | Value                           |            |
|                |                                                                                                                                                        |                                   |                                                     |                                 |            |

|                |                                                                                                                                                                   |                                    |                                                           |                                  |            |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------|------------|
| invalid_range  | 243194379878006792                                                                                                                                                | Both Local and Remote              | Invalid range for connection limit or id                  | warning                          | class-list |
| CEF            |                                                                                                                                                                   |                                    |                                                           |                                  |            |
| Format         | cs1=\$name:%s: cs1Label=List Name cs2=\$str:%s: cs2Label=String cn1=\$line:%d: cn1Label=Line Number cn2=\$min:%d: cn2Label=Minimum cn3=\$max:%d: cn3Label=Maximum |                                    |                                                           |                                  |            |
| Example        | cs1=bw_name cs1Label=List Name cs2=conn limit cs2Label=String cn1=10 cn1Label=Line Number cn2=1 cn2Label=Minimum cn3=1000 cn3Label=Maximum                        |                                    |                                                           |                                  |            |
| SYSLOG         |                                                                                                                                                                   |                                    |                                                           |                                  |            |
| Format         | Blacklist/Whitelist \$name:%s:: Invalid \$str:%s: at line \$line:%d:. (Valid values are \$min:%d: to \$max:%d:).                                                  |                                    |                                                           |                                  |            |
| Example        | Blacklist/Whitelist bw_name: Invalid conn limit at line 10. (Valid values are 1 to 1000).                                                                         |                                    |                                                           |                                  |            |
| Variable       | Type                                                                                                                                                              | Value                              |                                                           | Description                      |            |
| name           | String                                                                                                                                                            | {black_and_white_list_name}        |                                                           | black and white list name        |            |
| str            | String                                                                                                                                                            | {string_that_was_input}            |                                                           | string that was input            |            |
| line           | Integer                                                                                                                                                           | {line_number}                      |                                                           | line number                      |            |
| min            | Integer                                                                                                                                                           | {minimum_value}                    |                                                           | minimum value                    |            |
| max            | Integer                                                                                                                                                           | {maximum_value}                    |                                                           | maximum value                    |            |
| invalid_string | 243194379878006791                                                                                                                                                | Both Local and Remote              | Black and white list has an invalid string for ip address | warning                          | class-list |
| CEF            |                                                                                                                                                                   |                                    |                                                           |                                  |            |
| Format         | cs1=\$name:%s: cs1Label=List Name cs2=\$str:%s: cs2Label=String cn1=\$line:%d: cn1Label=Line Number                                                               |                                    |                                                           |                                  |            |
| Example        | cs1=bw_name cs1Label=List Name cs2=256.156.10.3 cs2Label=String cn1=100 cn1Label=Line Number                                                                      |                                    |                                                           |                                  |            |
| SYSLOG         |                                                                                                                                                                   |                                    |                                                           |                                  |            |
| Format         | Blacklist/Whitelist \$name:%s:: Invalid \$str:%s: at line \$line:%d:.                                                                                             |                                    |                                                           |                                  |            |
| Example        | Blacklist/Whitelist bw_name: Invalid 256.156.10.3 at line 100.                                                                                                    |                                    |                                                           |                                  |            |
| Variable       | Type                                                                                                                                                              | Value                              |                                                           | Description                      |            |
| name           | String                                                                                                                                                            | {black_and_white_list_name}        |                                                           | black and white list name        |            |
| str            | String                                                                                                                                                            | {ip_address}                       |                                                           | ip address                       |            |
| line           | Integer                                                                                                                                                           | {line_number_where_error_happened} |                                                           | line number where error happened |            |
|                |                                                                                                                                                                   |                                    |                                                           |                                  |            |

|                  |                                                                                                                 |                                   |                                              |                                 |            |
|------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------|---------------------------------|------------|
| max_depth_exceed | 243194379878006785                                                                                              | Both Local and Remote             | Aho-Corasick depth exceeded depth            | warning                         | class-list |
| CEF              |                                                                                                                 |                                   |                                              |                                 |            |
| Format           | cs1=\$warn:%s: cs1Label=Aho-Corasick                                                                            |                                   |                                              |                                 |            |
| Example          | cs1=Max depth exceeded cs1Label=Aho-Corasick                                                                    |                                   |                                              |                                 |            |
| SYSLOG           |                                                                                                                 |                                   |                                              |                                 |            |
| Format           | Aho-Corasick: \$warn:%s:                                                                                        |                                   |                                              |                                 |            |
| Example          | Aho-Corasick: Max depth exceeded                                                                                |                                   |                                              |                                 |            |
| Variable         | Type                                                                                                            | Value                             |                                              | Description                     |            |
| warn             | String                                                                                                          | Max depth exceeded                |                                              | warning                         |            |
| no_memory        | 243194379878006786                                                                                              | Both Local and Remote             | The Black-white or class list has no memory  | warning                         | class-list |
| CEF              |                                                                                                                 |                                   |                                              |                                 |            |
| Format           | cs1=\$list_type:%s: cs1Label=Type of list cs2=\$name:%s: cs2Label=List Name cn1=\$line:%d: cn1Label=Line Number |                                   |                                              |                                 |            |
| Example          | cs1=Classlist cs1Label=Type of list cs2=clist_name cs2Label=List Name cn1=100 cn1Label=Line Number              |                                   |                                              |                                 |            |
| SYSLOG           |                                                                                                                 |                                   |                                              |                                 |            |
| Format           | \$list_type:%s: \$name:%s:: No more memory to load line \$line:%d:.                                             |                                   |                                              |                                 |            |
| Example          | Classlist clist_name: No more memory to load line 100.                                                          |                                   |                                              |                                 |            |
| Variable         | Type                                                                                                            | Value                             |                                              | Description                     |            |
| list_type        | String                                                                                                          | Classlist<br>Blacklist/Whitelist  |                                              | Type of list                    |            |
| name             | String                                                                                                          | {List_name}                       |                                              | List name                       |            |
| line             | Integer                                                                                                         | {line_number_where_error_happend} |                                              | line number where error happend |            |
| warning          | 243194379878006794                                                                                              | Both Local and Remote             | Class list warning for invalid configuration | warning                         | class-list |
| CEF              |                                                                                                                 |                                   |                                              |                                 |            |
| Format           | cs1=\$list_type:%s: cs1Label=ClassType of list cs2=\$name:%s: cs2Label=List Name cs3=\$log:%s: cs3Label=Log     |                                   |                                              |                                 |            |
| Example          | cs1=Classlist cs1Label=ClassType of list cs2=clist_name cs2Label=List Name cs3=Out of memory cs3Label=Log       |                                   |                                              |                                 |            |
|                  |                                                                                                                 |                                   |                                              |                                 |            |

| SYSLOG      |                    |                                                                         |                                          |                 |                |
|-------------|--------------------|-------------------------------------------------------------------------|------------------------------------------|-----------------|----------------|
| Format      |                    | \$list_type:%s: \$name:%s: \$log:%s:                                    |                                          |                 |                |
| Example     |                    | Classlist clist_name Out of memory                                      |                                          |                 |                |
| Variable    | Type               | Value                                                                   |                                          | Description     |                |
| list_type   | String             | Classlist<br>Blacklist/Whitelist                                        |                                          | Type of list    |                |
| name        | String             | {class_list_name}                                                       |                                          | class list name |                |
| log         | String             | Out of memory<br>Too many errors. Subsequent entries will not be loaded |                                          | Log Message     |                |
| fail-status | 265729970200903681 | Both Local and Remote                                                   | configure sync failed                    | error           | configure.sync |
| SYSLOG      |                    |                                                                         |                                          |                 |                |
| Format      |                    | cfgsync \$status:%s:                                                    |                                          |                 |                |
| Example     |                    | cfgsync invalid option                                                  |                                          |                 |                |
| Variable    | Type               | Value                                                                   |                                          | Description     |                |
| status      | String             | {message}                                                               |                                          | message         |                |
| info-status | 265729970200903682 | Both Local and Remote                                                   | configure sync not allowed for partition | information     | configure.sync |
| SYSLOG      |                    |                                                                         |                                          |                 |                |
| Format      |                    | config sync for partition (\$status:%s: )                               |                                          |                 |                |
| Example     |                    | config sync for partition (shared )                                     |                                          |                 |                |
| Variable    | Type               | Value                                                                   |                                          | Description     |                |
| status      | String             | {patition_name}                                                         |                                          | patition name   |                |
| file-status | 378302368699121665 | Both Local and Remote                                                   | copy configuration to/from remote server | information     | copy           |
| SYSLOG      |                    |                                                                         |                                          |                 |                |
| Format      |                    | \$operation:%s: \$config:%s: to \$prof:%s: \$file:%s: : \$status:%s:    |                                          |                 |                |
| Example     |                    | Exporting startup-config to profile prof1 : succeed                     |                                          |                 |                |
| Variable    | Type               | Value                                                                   |                                          | Description     |                |

|            |                                                                                                       |                       |                                 |                  |                       |
|------------|-------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|------------------|-----------------------|
| operation  | String                                                                                                | {operation}           |                                 | operation        |                       |
| config     | String                                                                                                | {config_file_name}    |                                 | config file name |                       |
| prof       | String                                                                                                | {destination}         |                                 | destination      |                       |
| file       | String                                                                                                | {file_name}           |                                 | file name        |                       |
| status     | String                                                                                                | {status}              |                                 | status           |                       |
| cea_reply  | 4538783999459337                                                                                      | Both Local and Remote | CEA reply                       | information      | counter.port-diameter |
| CEF        |                                                                                                       |                       |                                 |                  |                       |
| Format     | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number                               |                       |                                 |                  |                       |
| Example    | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number                                           |                       |                                 |                  |                       |
| SYSLOG     |                                                                                                       |                       |                                 |                  |                       |
| Format     | Diameter service group member \$name:%s:, port \$port:%d: up, cea reply                               |                       |                                 |                  |                       |
| Example    | Diameter service group member server1, port 1 up, cea reply                                           |                       |                                 |                  |                       |
| Variable   | Type                                                                                                  | Value                 |                                 | Description      |                       |
| name       | String                                                                                                | {Real_server_name}    |                                 | Real server name |                       |
| port       | Integer                                                                                               | 1-3868                |                                 | Server port      |                       |
| conn_error | 4538783999459329                                                                                      | Both Local and Remote | Connection is closed with error | debugging        | counter.port-diameter |
| CEF        |                                                                                                       |                       |                                 |                  |                       |
| Format     | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id |                       |                                 |                  |                       |
| Example    | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                     |                       |                                 |                  |                       |
| SYSLOG     |                                                                                                       |                       |                                 |                  |                       |
| Format     | Diameter service group member \$name:%s:, port \$port:%d: thread \$cpu:%d: close conn error           |                       |                                 |                  |                       |
| Example    | Diameter service group member server1, port 1 thread 1 close conn error                               |                       |                                 |                  |                       |
| Variable   | Type                                                                                                  | Value                 |                                 | Description      |                       |
| name       | String                                                                                                | {Real_server_name}    |                                 | Real server name |                       |
| port       | Integer                                                                                               | 1-3868                |                                 | Server port      |                       |



|             |                                                                                                       |                       |                               |                  |                       |
|-------------|-------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|------------------|-----------------------|
| cpu         | Integer                                                                                               | {CPU_Id}              | CPU Id                        |                  |                       |
| conn_fin    | 4538783999459330                                                                                      | Both Local and Remote | Connection is closed with fin | debugging        | counter.port-diameter |
| CEF         |                                                                                                       |                       |                               |                  |                       |
| Format      | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id |                       |                               |                  |                       |
| Example     | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                     |                       |                               |                  |                       |
| SYSLOG      |                                                                                                       |                       |                               |                  |                       |
| Format      | Diameter service group member \$name:%s:, port \$port:%d: thread \$cpu:%d: close conn fin             |                       |                               |                  |                       |
| Example     | Diameter service group member server1, port 1 thread 1 close conn fin                                 |                       |                               |                  |                       |
| Variable    | Type                                                                                                  | Value                 |                               | Description      |                       |
| name        | String                                                                                                | {Real_server_name}    |                               | Real server name |                       |
| port        | Integer                                                                                               | 1-3868                |                               | Server port      |                       |
| cpu         | Integer                                                                                               | {CPU_Id}              |                               | CPU Id           |                       |
| dwa_reply   | 4538783999459334                                                                                      | Both Local and Remote | Device watch dog reply        | information      | counter.port-diameter |
| CEF         |                                                                                                       |                       |                               |                  |                       |
| Format      | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number                               |                       |                               |                  |                       |
| Example     | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number                                           |                       |                               |                  |                       |
| SYSLOG      |                                                                                                       |                       |                               |                  |                       |
| Format      | Diameter service group member \$name:%s:, port \$port:%d: up, dwa reply                               |                       |                               |                  |                       |
| Example     | Diameter service group member server1, port 1 up, dwa reply                                           |                       |                               |                  |                       |
| Variable    | Type                                                                                                  | Value                 |                               | Description      |                       |
| name        | String                                                                                                | {Real_server_name}    |                               | Real server name |                       |
| port        | Integer                                                                                               | 1-3868                |                               | Server port      |                       |
| dwa_timeout | 4538783999459335                                                                                      | Both Local and Remote | Device watch dog timeout      | debugging        | counter.port-diameter |
| CEF         |                                                                                                       |                       |                               |                  |                       |
| Format      | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id |                       |                               |                  |                       |

|             |                                                                                                  |                       |                                 |                  |                       |
|-------------|--------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|------------------|-----------------------|
| Example     | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                |                       |                                 |                  |                       |
| SYSLOG      |                                                                                                  |                       |                                 |                  |                       |
| Format      | Diameter service group member \$name:%s:, port \$port:%d: thread \$cpu:%d: down, dwr time out    |                       |                                 |                  |                       |
| Example     | Diameter service group member server1, port 1 thread 1 down, dwr time out                        |                       |                                 |                  |                       |
| Variable    | Type                                                                                             | Value                 |                                 | Description      |                       |
| name        | String                                                                                           | {Real_server_name}    |                                 | Real server name |                       |
| port        | Integer                                                                                          | 1-3868                |                                 | Server port      |                       |
| cpu         | Integer                                                                                          | {CPU_Id}              |                                 | CPU Id           |                       |
| invalid_avp | 4538783999459340                                                                                 | Both Local and Remote | Invalid attribute variable pair | information      | counter.port-diameter |
| CEF         |                                                                                                  |                       |                                 |                  |                       |
| Format      | cs1=\$ip:%s: cs1Label=ip v4 cn1=\$port:%u: cn1Label=port number cs2=\$string:%s: cs2Label=string |                       |                                 |                  |                       |
| Example     | cs1=1.1.1.1 cs1Label=ip v4 cn1=1 cn1Label=port number cs2=abc cs2Label=string                    |                       |                                 |                  |                       |
| SYSLOG      |                                                                                                  |                       |                                 |                  |                       |
| Format      | Invalid avp from \$ip:%s::\$port:%u: (value=\$string:%s:)                                        |                       |                                 |                  |                       |
| Example     | Invalid avp from 1.1.1.1:1 (value=abc)                                                           |                       |                                 |                  |                       |
| Variable    | Type                                                                                             | Value                 |                                 | Description      |                       |
| ip          | IP V4 Address                                                                                    | {IPv4_address}        |                                 | IPv4 address     |                       |
| port        | Unsigned Integer                                                                                 | 1-3868                |                                 | Server port      |                       |
| string      | String                                                                                           | {FQDN_string}         |                                 | FQDN string      |                       |
| no_client   | 4538783999459339                                                                                 | Both Local and Remote | Cannot find client              | information      | counter.port-diameter |
| CEF         |                                                                                                  |                       |                                 |                  |                       |
| Format      | cs1=\$id:%s: cs1Label=session id                                                                 |                       |                                 |                  |                       |
| Example     | cs1=12345 cs1Label=session id                                                                    |                       |                                 |                  |                       |
| SYSLOG      |                                                                                                  |                       |                                 |                  |                       |
| Format      | Diameter message (session-id=\$id:%s:) cannot find client conn                                   |                       |                                 |                  |                       |

| Example    |                  | Diameter message (session-id=12345) cannot find client conn                                                                                  |                                  |                    |                       |
|------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------|-----------------------|
| Variable   | Type             | Value                                                                                                                                        |                                  | Description        |                       |
| id         | String           | {Session_id}                                                                                                                                 |                                  | Session id         |                       |
| no_conn    | 4538783999459331 | Both Local and Remote                                                                                                                        | No connection available to start | debugging          | counter.port-diameter |
| CEF        |                  |                                                                                                                                              |                                  |                    |                       |
| Format     |                  | cs1=\$sname:%s: cs1Label=service name cs2=\$name:%s: cs2Label=server name cn1=\$sport:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id |                                  |                    |                       |
| Example    |                  | cs1=sg1 cs1Label=service name cs2=server1 cs2Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                              |                                  |                    |                       |
| SYSLOG     |                  |                                                                                                                                              |                                  |                    |                       |
| Format     |                  | Diameter service group \$sname:%s: member \$name:%s:, port \$sport:%d: thread \$cpu:%d: down, no conn                                        |                                  |                    |                       |
| Example    |                  | Diameter service group sg1 member server1, port 1 thread 1 down, no conn                                                                     |                                  |                    |                       |
| Variable   | Type             | Value                                                                                                                                        |                                  | Description        |                       |
| sname      | String           | {Service_group_name}                                                                                                                         |                                  | Service group name |                       |
| name       | String           | {Real_server_name}                                                                                                                           |                                  | Real server name   |                       |
| port       | Integer          | 1-3868                                                                                                                                       |                                  | Server port        |                       |
| cpu        | Integer          | {CPU_Id}                                                                                                                                     |                                  | CPU Id             |                       |
| no_server  | 4538783999459338 | Both Local and Remote                                                                                                                        | Cannot find server               | information        | counter.port-diameter |
| CEF        |                  |                                                                                                                                              |                                  |                    |                       |
| Format     |                  | cs1=\$id:%s: cs1Label=session id                                                                                                             |                                  |                    |                       |
| Example    |                  | cs1=12345 cs1Label=session id                                                                                                                |                                  |                    |                       |
| SYSLOG     |                  |                                                                                                                                              |                                  |                    |                       |
| Format     |                  | Diameter message (session-id=\$id:%s:) cannot find server conn                                                                               |                                  |                    |                       |
| Example    |                  | Diameter message (session-id=12345) cannot find server conn                                                                                  |                                  |                    |                       |
| Variable   | Type             | Value                                                                                                                                        |                                  | Description        |                       |
| id         | String           | {Session_id}                                                                                                                                 |                                  | Session id         |                       |
| start_conn | 4538783999459332 | Both Local and                                                                                                                               | A connection is started          | debugging          | counter.port-diameter |

|                  |                                                                                                                                             |                       |                                   |                    |                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------|--------------------|-----------------------|
|                  |                                                                                                                                             | Remote                |                                   |                    |                       |
| CEF              |                                                                                                                                             |                       |                                   |                    |                       |
| Format           | cs1=\$sname:%s: cs1Label=service name cs2=\$name:%s: cs2Label=server name cn1=\$port:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id |                       |                                   |                    |                       |
| Example          | cs1=sg1 cs1Label=service name cs2=server1 cs2Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                             |                       |                                   |                    |                       |
| SYSLOG           |                                                                                                                                             |                       |                                   |                    |                       |
| Format           | Diameter service group \$sname:%s: member \$name:%s:, port \$port:%d: thread \$cpu:%d: start conn                                           |                       |                                   |                    |                       |
| Example          | Diameter service group sg1 member server1, port 1 thread 1 start conn                                                                       |                       |                                   |                    |                       |
| Variable         | Type                                                                                                                                        | Value                 |                                   | Description        |                       |
| sname            | String                                                                                                                                      | {Service_group_name}  |                                   | Service group name |                       |
| name             | String                                                                                                                                      | {Real_server_name}    |                                   | Real server name   |                       |
| port             | Integer                                                                                                                                     | 1-3868                |                                   | Server port        |                       |
| cpu              | Integer                                                                                                                                     | {CPU_Id}              |                                   | CPU Id             |                       |
| thread_cea_reply | 4538783999459336                                                                                                                            | Both Local and Remote | Per thread CEA reply              | debugging          | counter.port-diameter |
| CEF              |                                                                                                                                             |                       |                                   |                    |                       |
| Format           | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id                                       |                       |                                   |                    |                       |
| Example          | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                                                           |                       |                                   |                    |                       |
| SYSLOG           |                                                                                                                                             |                       |                                   |                    |                       |
| Format           | Diameter service group member \$name:%s:, port \$port:%d: thread \$cpu:%d: up, cea reply                                                    |                       |                                   |                    |                       |
| Example          | Diameter service group member server1, port 1 thread 1 up, cea reply                                                                        |                       |                                   |                    |                       |
| Variable         | Type                                                                                                                                        | Value                 |                                   | Description        |                       |
| name             | String                                                                                                                                      | {Real_server_name}    |                                   | Real server name   |                       |
| port             | Integer                                                                                                                                     | 1-3868                |                                   | Server port        |                       |
| cpu              | Integer                                                                                                                                     | {CPU_Id}              |                                   | CPU Id             |                       |
| thread_dwa_reply | 4538783999459333                                                                                                                            | Both Local and Remote | Per thread device watch dog reply | debugging          | counter.port-diameter |
| CEF              |                                                                                                                                             |                       |                                   |                    |                       |

|                    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                     |                  |
|--------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|------------------|
| Format             |                    | cs1=\$name:%s: cs1Label=server name cn1=\$port:%d: cn1Label=port number cn2=\$cpu:%d: cn2Label=cpu id                                                                                                                                                                                                                                                                                                             |                         |                     |                  |
| Example            |                    | cs1=server1 cs1Label=server name cn1=1 cn1Label=port number cn2=1 cn2Label=cpu id                                                                                                                                                                                                                                                                                                                                 |                         |                     |                  |
| SYSLOG             |                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                     |                  |
| Format             |                    | Diameter service group member \$name:%s:, port \$port:%d: thread \$cpu:%d: up, dwa reply                                                                                                                                                                                                                                                                                                                          |                         |                     |                  |
| Example            |                    | Diameter service group member server1, port 1 thread 1 up, dwa reply                                                                                                                                                                                                                                                                                                                                              |                         |                     |                  |
| Variable           | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                             |                         | Description         |                  |
| name               | String             | {Real_server_name}                                                                                                                                                                                                                                                                                                                                                                                                |                         | Real server name    |                  |
| port               | Integer            | 1-3868                                                                                                                                                                                                                                                                                                                                                                                                            |                         | Server port         |                  |
| cpu                | Integer            | {CPU_Id}                                                                                                                                                                                                                                                                                                                                                                                                          |                         | CPU Id              |                  |
| request_header_log | 460985643107876865 | Remote only                                                                                                                                                                                                                                                                                                                                                                                                       | DNS logging for traffic | information         | ddos.dns-logging |
| CEF                |                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                     |                  |
| Format             |                    | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count |                         |                     |                  |
| Example            |                    | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count                                                                                                             |                         |                     |                  |
| SYSLOG             |                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                     |                  |
| Format             |                    | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCnt=\$nscount:%d: ARCnt=\$arcount:%d:                                                                                                                                                                                            |                         |                     |                  |
| Example            |                    | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCnt=0 ANCnt=0 NSCnt=0 ARCnt=0                                                                                                                                                                                                                                                                                                        |                         |                     |                  |
| Variable           | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                             |                         | Description         |                  |
| proto              | String             | tcp<br>udp                                                                                                                                                                                                                                                                                                                                                                                                        |                         | Protocol            |                  |
| src                | IP V4 Address      | {Source}                                                                                                                                                                                                                                                                                                                                                                                                          |                         | Source              |                  |
| spt                | Integer            | 1-65535                                                                                                                                                                                                                                                                                                                                                                                                           |                         | Source Port         |                  |
| dst                | IP V4 Address      | {Destination_IP}                                                                                                                                                                                                                                                                                                                                                                                                  |                         | Destination IP      |                  |
| dpt                | Integer            | 1-65535                                                                                                                                                                                                                                                                                                                                                                                                           |                         | Destination Port    |                  |
| type               | String             | query                                                                                                                                                                                                                                                                                                                                                                                                             |                         | Type of DNS message |                  |

|                       |                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                         |                         |                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|-------------------------|------------------|
| queryid               | Integer                                                                                                                                                                                                                                                                                                                                                                                                | {Query_id}                |                         | Query id                |                  |
| opcode                | String                                                                                                                                                                                                                                                                                                                                                                                                 | QUERY                     |                         | Opcode                  |                  |
| header_flag           | String                                                                                                                                                                                                                                                                                                                                                                                                 | {Header}                  |                         | Header                  |                  |
| qdcoun                | Integer                                                                                                                                                                                                                                                                                                                                                                                                | {Question_Count}          |                         | Question Count          |                  |
| ancoun                | Integer                                                                                                                                                                                                                                                                                                                                                                                                | {Answer_Record_Count}     |                         | Answer Record Count     |                  |
| NSCount               | Integer                                                                                                                                                                                                                                                                                                                                                                                                | {Authority_Record_Count}  |                         | Authority Record Count  |                  |
| arcount               | Integer                                                                                                                                                                                                                                                                                                                                                                                                | {Additional_Record_Count} |                         | Additional Record Count |                  |
| nscount               | Integer                                                                                                                                                                                                                                                                                                                                                                                                | {Authority_Record_Count}  |                         | Authority Record Count  |                  |
| request_header_log_v6 | 460985643107876868                                                                                                                                                                                                                                                                                                                                                                                     | Remote only               | DNS logging for traffic | information             | ddos.dns-logging |
| CEF                   |                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                         |                         |                  |
| Format                | proto=\$proto:%s src=\$src:%s spt=\$spt:%d dst=\$dst:%s dpt=\$dpt:%d cs1=\$type:%s cs1Label=Query cn1=\$queryid:%d cn1Label=Query ID cs2=\$opcode:%s cs2Label=Opcode cs3=\$header_flag:%s cs3Label=Header Flag cn2=\$qdcoun:%d cn2Label=Question Count cn3=\$ancoun:%d cn3Label=Answer Record Count cn4=\$NSCount:%d cn4Label=Authority Record Count cn5=\$arcount:%d cn5Label=Additional Record Count |                           |                         |                         |                  |
| Example               | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count                                                                                        |                           |                         |                         |                  |
| SYSLOG                |                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                         |                         |                  |
| Format                | \$proto:%s \$src:%s \$spt:%d \$dst:%s \$dpt:%d Type=\$type:%s QueryId=\$queryid:%d Opcode=\$opcode:%s HeaderFlag=\$header_flag:%s QDCoun=\$qdcoun:%d ANCount=\$ancoun:%d NSCount=\$nscount:%d ARCount=\$arcount:%d                                                                                                                                                                                     |                           |                         |                         |                  |
| Example               | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCoun=0 ANCount=0 NSCount=0 ARCount=0                                                                                                                                                                                                                                                                            |                           |                         |                         |                  |
| Variable              | Type                                                                                                                                                                                                                                                                                                                                                                                                   | Value                     |                         | Description             |                  |
| proto                 | String                                                                                                                                                                                                                                                                                                                                                                                                 | tcp<br>udp                |                         | Protocol                |                  |
| src                   | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                          | {Source_IP}               |                         | Source IP               |                  |
| spt                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                | 1-65535                   |                         | Source Port             |                  |
| dst                   | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                          | {Destination_IP}          |                         | Destination IP          |                  |
| dpt                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                | 1-65535                   |                         | Destination Port        |                  |
| type                  | String                                                                                                                                                                                                                                                                                                                                                                                                 | query                     |                         | Type of DNS message     |                  |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                                      |                         |                  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------|-------------------------|------------------|
| queryid                     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Query_id}                |                                      | Query id                |                  |
| opcode                      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | QUERY                     |                                      | Opcode                  |                  |
| header_flag                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | {Header}                  |                                      | Header                  |                  |
| qdcoun                      | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Question_Count}          |                                      | Question Count          |                  |
| ancoun                      | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Answer_Record_Count}     |                                      | Answer Record Count     |                  |
| NSCount                     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Authority_Record_Count}  |                                      | Authority Record Count  |                  |
| arcount                     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Additional_Record_Count} |                                      | Additional Record Count |                  |
| nscount                     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Authority_Record_Count}  |                                      | Authority Record Count  |                  |
| request_header_question_log | 460985643107876867                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Remote only               | Log DNS Request Header and Questions | information             | ddos.dns-logging |
| CEF                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                                      |                         |                  |
| Format                      | proto=\$proto:%s src=\$src:%s spt=\$spt:%d dst=\$dst:%s dpt=\$dpt:%d cs1=\$type:%s cs1Label=Query cn1=\$queryid:%d cn1Label=Query ID cs2=\$opcode:%s cs2Label=Opcode cs3=\$header_flag:%s cs3Label=Header Flag cn2=\$qdcoun:%d cn2Label=Question Count cn3=\$ancoun:%d cn3Label=Answer Record Count cn4=\$NSCount:%d cn4Label=Authority Record Count cn5=\$arcount:%d cn5Label=Additional Record Count dhost=\$dhost:%s cs4=\$qr_type:%s cs4Label=Query Type cs5=\$qr_class:%s cs5Label=Query Class |                           |                                      |                         |                  |
| Example                     | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class                                                                                                                |                           |                                      |                         |                  |
| SYSLOG                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                                      |                         |                  |
| Format                      | \$proto:%s \$src:%s \$spt:%d \$dst:%s \$dpt:%d Type=\$type:%s QueryId=\$queryid:%d Opcode=\$opcode:%s HeaderFlag=\$header_flag:%s QDCoun=\$qdcoun:%d ANCount=\$ancoun:%d NSCount=\$nscount:%d ARCount=\$arcount:%d dhost=\$dhost:%s QueryType=\$qr_type:%s QueryClass=\$qr_class:%s                                                                                                                                                                                                                 |                           |                                      |                         |                  |
| Example                     | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCoun=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                                                                                                                                                                                                                |                           |                                      |                         |                  |
| Variable                    | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Value                     |                                      | Description             |                  |
| proto                       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tcp<br>udp                |                                      | Protocol                |                  |
| src                         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Source}                  |                                      | Source                  |                  |
| spt                         | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1-65535                   |                                      | Source Port             |                  |
| dst                         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Destination_IP}          |                                      | Destination IP          |                  |
| dpt                         | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1-65535                   |                                      | Destination Port        |                  |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                           |                         |                  |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------|-------------------------|------------------|
| type                           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | query                     |                                           | Type of DNS message     |                  |
| queryid                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Query_id}                |                                           | Query id                |                  |
| opcode                         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | QUERY                     |                                           | Opcode                  |                  |
| header_flag                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Header}                  |                                           | Header                  |                  |
| qdcount                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Question_Count}          |                                           | Question Count          |                  |
| ancount                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Answer_Record_Count}     |                                           | Answer Record Count     |                  |
| NSCount                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Authority_Record_Count}  |                                           | Authority Record Count  |                  |
| arcount                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Additional_Record_Count} |                                           | Additional Record Count |                  |
| dhost                          | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Hostname}                |                                           | Hostname                |                  |
| qr_type                        | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Query_Type}              |                                           | Query Type              |                  |
| qr_class                       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Query_Class}             |                                           | Query Class             |                  |
| nscount                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Authority_Record_Count}  |                                           | Authority Record Count  |                  |
| request_header_question_log_v6 | 460985643107876870                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Remote only               | Log IPv6 DNS Request Header and Questions | information             | ddos.dns-logging |
| CEF                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                           |                         |                  |
| Format                         | proto=\$proto:%s src=\$src:%s spt=\$spt:%d dst=\$dst:%s dpt=\$dpt:%d cs1=\$type:%s cs1Label=Query cn1=\$queryid:%d cn1Label=Query ID cs2=\$opcode:%s cs2Label=Opcode cs3=\$header_flag:%s cs3Label=Header Flag cn2=\$qdcount:%d cn2Label=Question Count cn3=\$ancount:%d cn3Label=Answer Record Count cn4=\$NSCount:%d cn4Label=Authority Record Count cn5=\$arcount:%d cn5Label=Additional Record Count dhost=\$dhost:%s cs4=\$qr_type:%s cs4Label=Query Type cs5=\$qr_class:%s cs5Label=Query Class |                           |                                           |                         |                  |
| Example                        | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class                                                                                                        |                           |                                           |                         |                  |
| SYSLOG                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                           |                         |                  |
| Format                         | \$proto:%s \$src:%s \$spt:%d \$dst:%s \$dpt:%d Type=\$type:%s QueryId=\$queryid:%d Opcode=\$opcode:%s HeaderFlag=\$header_flag:%s QDCount=\$qdcount:%d ANCount=\$ancount:%d NSCount=\$nscount:%d ARCount=\$arcount:%d dhost=\$dhost:%s QueryType=\$qr_type:%s QueryClass=\$qr_class:%s                                                                                                                                                                                                                |                           |                                           |                         |                  |
| Example                        | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                                                                                                                                                                                                       |                           |                                           |                         |                  |
| Variable                       | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Value                     |                                           | Description             |                  |
| proto                          | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tcp<br>udp                |                                           | Protocol                |                  |



|                      |                                                                                                                                                                                                                                             |                           |                          |                         |                  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|-------------------------|------------------|
| src                  | IP V6 Address                                                                                                                                                                                                                               | {Source_IP}               |                          | Source IP               |                  |
| spt                  | Integer                                                                                                                                                                                                                                     | 1-65535                   |                          | Source Port             |                  |
| dst                  | IP V6 Address                                                                                                                                                                                                                               | {Destination_IP}          |                          | Destination IP          |                  |
| dpt                  | Integer                                                                                                                                                                                                                                     | 1-65535                   |                          | Destination Port        |                  |
| type                 | String                                                                                                                                                                                                                                      | query                     |                          | Type of DNS message     |                  |
| queryid              | Integer                                                                                                                                                                                                                                     | {Query_id}                |                          | Query id                |                  |
| opcode               | String                                                                                                                                                                                                                                      | QUERY                     |                          | Opcode                  |                  |
| header_flag          | String                                                                                                                                                                                                                                      | {Header}                  |                          | Header                  |                  |
| qdcount              | Integer                                                                                                                                                                                                                                     | {Question_Count}          |                          | Question Count          |                  |
| ancount              | Integer                                                                                                                                                                                                                                     | {Answer_Record_Count}     |                          | Answer Record Count     |                  |
| NSCount              | Integer                                                                                                                                                                                                                                     | {Authority_Record_Count}  |                          | Authority Record Count  |                  |
| arcount              | Integer                                                                                                                                                                                                                                     | {Additional_Record_Count} |                          | Additional Record Count |                  |
| dhost                | String                                                                                                                                                                                                                                      | {Hostname}                |                          | Hostname                |                  |
| qr_type              | String                                                                                                                                                                                                                                      | {Query_Type}              |                          | Query Type              |                  |
| qr_class             | String                                                                                                                                                                                                                                      | {Query_Class}             |                          | Query Class             |                  |
| nscount              | Integer                                                                                                                                                                                                                                     | {Authority_Record_Count}  |                          | Authority Record Count  |                  |
| request_question_log | 460985643107876866                                                                                                                                                                                                                          | Remote only               | Log DNS Request Question | information             | ddos.dns-logging |
| CEF                  |                                                                                                                                                                                                                                             |                           |                          |                         |                  |
| Format               | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID dhost=\$dhost:%s: cs2=\$qr_type:%s: cs2Label=Query Type cs3=\$qr_class:%s: cs3Label=Query Class |                           |                          |                         |                  |
| Example              | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID dhost=server.example.com cs2=A cs2Label=Query Type cs3=IN cs3Label=Query Class                                                            |                           |                          |                         |                  |
| SYSLOG               |                                                                                                                                                                                                                                             |                           |                          |                         |                  |
| Format               | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s:                                                                               |                           |                          |                         |                  |
| Example              | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                          |                           |                          |                         |                  |
| Variable             | Type                                                                                                                                                                                                                                        | Value                     |                          | Description             |                  |
|                      |                                                                                                                                                                                                                                             | tcp                       |                          |                         |                  |

|                         |                                                                                                                                                                                                                                             |                  |                          |                     |                  |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|---------------------|------------------|
| proto                   | String                                                                                                                                                                                                                                      | udp              |                          | Protocol            |                  |
| src                     | IP V4 Address                                                                                                                                                                                                                               | {Source}         |                          | Source              |                  |
| spt                     | Integer                                                                                                                                                                                                                                     | 1-65535          |                          | Source Port         |                  |
| dst                     | IP V4 Address                                                                                                                                                                                                                               | {Destination_IP} |                          | Destination IP      |                  |
| dpt                     | Integer                                                                                                                                                                                                                                     | 1-65535          |                          | Destination Port    |                  |
| type                    | String                                                                                                                                                                                                                                      | query            |                          | Type of DNS message |                  |
| queryid                 | Integer                                                                                                                                                                                                                                     | {Query_id}       |                          | Query id            |                  |
| dhost                   | String                                                                                                                                                                                                                                      | {Hostname}       |                          | Hostname            |                  |
| qr_type                 | String                                                                                                                                                                                                                                      | {Query_Type}     |                          | Query Type          |                  |
| qr_class                | String                                                                                                                                                                                                                                      | {Query_Class}    |                          | Query Class         |                  |
| request_question_log_v6 | 460985643107876869                                                                                                                                                                                                                          | Remote only      | Log DNS Request Question | information         | ddos.dns-logging |
| CEF                     |                                                                                                                                                                                                                                             |                  |                          |                     |                  |
| Format                  | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID dhost=\$dhost:%s: cs2=\$qr_type:%s: cs2Label=Query Type cs3=\$qr_class:%s: cs3Label=Query Class |                  |                          |                     |                  |
| Example                 | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID dhost=server.example.com cs2=A cs2Label=Query Type cs3=IN cs3Label=Query Class                                                  |                  |                          |                     |                  |
| SYSLOG                  |                                                                                                                                                                                                                                             |                  |                          |                     |                  |
| Format                  | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s:                                                                               |                  |                          |                     |                  |
| Example                 | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                |                  |                          |                     |                  |
| Variable                | Type                                                                                                                                                                                                                                        | Value            |                          | Description         |                  |
| proto                   | String                                                                                                                                                                                                                                      | tcp<br>udp       |                          | Protocol            |                  |
| src                     | IP V6 Address                                                                                                                                                                                                                               | {Source_IP}      |                          | Source IP           |                  |
| spt                     | Integer                                                                                                                                                                                                                                     | 1-65535          |                          | Source Port         |                  |
| dst                     | IP V6 Address                                                                                                                                                                                                                               | {Destination_IP} |                          | Destination IP      |                  |
| dpt                     | Integer                                                                                                                                                                                                                                     | 1-65535          |                          | Destination Port    |                  |
| type                    | String                                                                                                                                                                                                                                      | query            |                          | Type of DNS message |                  |

|               |                                                                                           |                       |                                                 |                |                          |
|---------------|-------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------|----------------|--------------------------|
| queryid       | Integer                                                                                   | {Query_id}            |                                                 | Query id       |                          |
| dhost         | String                                                                                    | {Hostname}            |                                                 | Hostname       |                          |
| qr_type       | String                                                                                    | {Query_Type}          |                                                 | Query Type     |                          |
| qr_class      | String                                                                                    | {Query_Class}         |                                                 | Query Class    |                          |
| error         | 13528391068155906                                                                         | Both Local and Remote | Error on deleting partition                     | error          | delete.partition         |
| CEF           |                                                                                           |                       |                                                 |                |                          |
| Format        | partName=\$pname:%s: partId=\$pid:%u:                                                     |                       |                                                 |                |                          |
| Example       | partName=shared partId=1                                                                  |                       |                                                 |                |                          |
| SYSLOG        |                                                                                           |                       |                                                 |                |                          |
| Format        | Partition \$pname:%s: (id \$pid:%u:) deletion failed. Failed to erase partition directory |                       |                                                 |                |                          |
| Example       | Partition shared (id 1) deletion failed. Failed to erase partition directory              |                       |                                                 |                |                          |
| Variable      | Type                                                                                      | Value                 |                                                 | Description    |                          |
| pname         | String                                                                                    | {partition_name}      |                                                 | partition name |                          |
| pid           | Unsigned Integer                                                                          | 1-127                 |                                                 | partition id   |                          |
| info          | 13528391068155905                                                                         | Both Local and Remote | Files erased successfully on partition deletion | information    | delete.partition         |
| CEF           |                                                                                           |                       |                                                 |                |                          |
| Format        | partName=\$pname:%s: partId=\$pid:%u:                                                     |                       |                                                 |                |                          |
| Example       | partName=shared partId=1                                                                  |                       |                                                 |                |                          |
| SYSLOG        |                                                                                           |                       |                                                 |                |                          |
| Format        | Partition \$pname:%s: (id \$pid:%u:) files erased successfully from the disk              |                       |                                                 |                |                          |
| Example       | Partition shared (id 1) files erased successfully from the disk                           |                       |                                                 |                |                          |
| Variable      | Type                                                                                      | Value                 |                                                 | Description    |                          |
| pname         | String                                                                                    | {partition_name}      |                                                 | partition name |                          |
| pid           | Unsigned Integer                                                                          | 1-127                 |                                                 | partition id   |                          |
| deletion-info | 13880234789044225                                                                         | Both Local and Remote | Files erased successfully on partition deletion | information    | delete.service-partition |

| CEF             |                    |                                                                              |                                                        |                |           |
|-----------------|--------------------|------------------------------------------------------------------------------|--------------------------------------------------------|----------------|-----------|
| Format          |                    | partName=\$pname:%s: partId=\$pid:%u:                                        |                                                        |                |           |
| Example         |                    | partName=shared partId=1                                                     |                                                        |                |           |
| SYSLOG          |                    |                                                                              |                                                        |                |           |
| Format          |                    | Partition \$pname:%s: (id \$pid:%u:) files erased successfully from the disk |                                                        |                |           |
| Example         |                    | Partition shared (id 1) files erased successfully from the disk              |                                                        |                |           |
| Variable        | Type               | Value                                                                        |                                                        | Description    |           |
| pname           | String             | {partition_name}                                                             |                                                        | partition name |           |
| pid             | Unsigned Integer   | 1-127                                                                        |                                                        | partition id   |           |
| box-ready       | 144115188075855880 | Both Local and Remote                                                        | Fail Safe set box ready for taking actions.            | information    | fail-safe |
| SYSLOG          |                    |                                                                              |                                                        |                |           |
| Format          |                    | Fail Safe set box ready for taking actions.                                  |                                                        |                |           |
| err-low-buffer  | 144115188075855881 | Both Local and Remote                                                        | Fail Safe Software Error, I/O Buffer Low detected.     | warning        | fail-safe |
| SYSLOG          |                    |                                                                              |                                                        |                |           |
| Format          |                    | Fail Safe Software Error, I/O Buffer Low detected.                           |                                                        |                |           |
| err-low-mem     | 144115188075855882 | Both Local and Remote                                                        | Fail Safe Software Error, Session Memory Low detected. | warning        | fail-safe |
| SYSLOG          |                    |                                                                              |                                                        |                |           |
| Format          |                    | Fail Safe Software Error, Session Memory Low detected.                       |                                                        |                |           |
| ha-send-pkt-err | 144115188075855877 | Both Local and Remote                                                        | Fail Safe HA cannot send ADV packets.                  | warning        | fail-safe |
| SYSLOG          |                    |                                                                              |                                                        |                |           |
| Format          |                    | Fail Safe \$obj:%s: cannot send ADV packets.                                 |                                                        |                |           |
| Example         |                    | Fail Safe HA cannot send ADV packets.                                        |                                                        |                |           |
| Variable        | Type               | Value                                                                        |                                                        | Description    |           |
| obj             | String             | HA                                                                           |                                                        | object         |           |

| VRRP-A        |                                                              |                         |                                                            |             |           |
|---------------|--------------------------------------------------------------|-------------------------|------------------------------------------------------------|-------------|-----------|
| ha-standby    | 144115188075855875                                           | Both Local and Remote   | HA group change to Force Self Standby AUTO-Set/MANUAL-Set. | information | fail-safe |
| SYSLOG        |                                                              |                         |                                                            |             |           |
| Format        | HA group \$id:%d: change to Force Self Standby \$action:%s:. |                         |                                                            |             |           |
| Example       | HA group 1 change to Force Self Standby AUTO-Set.            |                         |                                                            |             |           |
| Variable      | Type                                                         | Value                   |                                                            | Description |           |
| id            | Integer                                                      | {id}                    |                                                            | id          |           |
| action        | String                                                       | AUTO-Set<br>MANUAL-Set. |                                                            | action      |           |
| ha-vrr-config | 144115188075855883                                           | Both Local and Remote   | Fail Safe: y/NO HA/VRRP-A is configured.                   | information | fail-safe |
| SYSLOG        |                                                              |                         |                                                            |             |           |
| Format        | Fail Safe: \$action:%s: \$obj:%s: is configured.             |                         |                                                            |             |           |
| Example       | Fail Safe: NO HA is configured.                              |                         |                                                            |             |           |
| Variable      | Type                                                         | Value                   |                                                            | Description |           |
| action        | String                                                       | {action}                |                                                            | action      |           |
| obj           | String                                                       | HA<br>VRRP-A            |                                                            | object      |           |
| hw-mon        | 144115188075855886                                           | Both Local and Remote   | Fail Safe HW Monitor Enabled/Disabled .                    | information | fail-safe |
| SYSLOG        |                                                              |                         |                                                            |             |           |
| Format        | Fail Safe HW Monitor \$action:%s: \$id:%d:.                  |                         |                                                            |             |           |
| Example       | Fail Safe HW Monitor Enabled 1.                              |                         |                                                            |             |           |
| Variable      | Type                                                         | Value                   |                                                            | Description |           |
| action        | String                                                       | Enabled<br>Disabled     |                                                            | action      |           |
| id            | Integer                                                      | {id}                    |                                                            | id          |           |
|               |                                                              | Both Local and          |                                                            |             |           |

|            |                    |                                                 |                                                    |             |           |
|------------|--------------------|-------------------------------------------------|----------------------------------------------------|-------------|-----------|
| init       | 144115188075855873 | Remote                                          | Fail Safe is initialized.                          | information | fail-safe |
| SYSLOG     |                    |                                                 |                                                    |             |           |
| Format     |                    | Fail Safe is initialized.                       |                                                    |             |           |
| mem-reset  | 144115188075855888 | Both Local and Remote                           | sess/sys mem threshold reset to default value.     | information | fail-safe |
| SYSLOG     |                    |                                                 |                                                    |             |           |
| Format     |                    | \$obj:%s: mem threshold reset to default value. |                                                    |             |           |
| Example    |                    | sess mem threshold reset to default value.      |                                                    |             |           |
| Variable   | Type               | Value                                           |                                                    | Description |           |
| obj        | String             | sess<br>sys<br>fpga                             |                                                    | object      |           |
| mem-thresh | 144115188075855887 | Both Local and Remote                           | sess/sys/fpga mem threshold .                      | information | fail-safe |
| SYSLOG     |                    |                                                 |                                                    |             |           |
| Format     |                    | \$obj:%s: mem threshold \$val:%s:.              |                                                    |             |           |
| Example    |                    | sess mem threshold 1.                           |                                                    |             |           |
| Variable   | Type               | Value                                           |                                                    | Description |           |
| obj        | String             | sess<br>sys<br>fpga                             |                                                    | object      |           |
| val        | String             | {value}                                         |                                                    | value       |           |
| recovery   | 144115188075855884 | Both Local and Remote                           | Fail Safe recovery notification to HA/VRRP-A/null. | information | fail-safe |
| SYSLOG     |                    |                                                 |                                                    |             |           |
| Format     |                    | Fail Safe recovery notification \$obj:%s:.      |                                                    |             |           |
| Example    |                    | Fail Safe recovery notification to HA.          |                                                    |             |           |
| Variable   | Type               | Value                                           |                                                    | Description |           |
| obj        | String             | {object}                                        |                                                    | object      |           |
|            |                    |                                                 |                                                    |             |           |

| set-ha-standby   | 144115188075855876                                                                                  | Both Local and Remote | Fail Safe set/unset Force Self Standby for HA group .    | information | fail-safe |
|------------------|-----------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------|-------------|-----------|
| SYSLOG           |                                                                                                     |                       |                                                          |             |           |
| Format           | Fail Safe \$action:%s: Force Self Standby for HA group \$id:%d:.                                    |                       |                                                          |             |           |
| Example          | Fail Safe set Force Self Standby for HA group 1.                                                    |                       |                                                          |             |           |
| Variable         | Type                                                                                                | Value                 |                                                          | Description |           |
| action           | String                                                                                              | set<br>unset          |                                                          | action      |           |
| id               | Integer                                                                                             | {id}                  |                                                          | id          |           |
| set-vrrp-standby | 144115188075855879                                                                                  | Both Local and Remote | Fail Safe set/unset Force Self Standby for VRRP-A VRID . | information | fail-safe |
| SYSLOG           |                                                                                                     |                       |                                                          |             |           |
| Format           | Fail Safe \$action:%s: Force Self Standby for VRRP-A VRID VRID \$vrid:%d: in partition \$parid:%d:. |                       |                                                          |             |           |
| Example          | Fail Safe set Force Self Standby for VRRP-A VRID VRID 1 in partition 1.                             |                       |                                                          |             |           |
| Variable         | Type                                                                                                | Value                 |                                                          | Description |           |
| action           | String                                                                                              | set<br>unset          |                                                          | action      |           |
| vrid             | Integer                                                                                             | {vrid}                |                                                          | vrid        |           |
| parid            | Integer                                                                                             | {parid}               |                                                          | parid       |           |
| sw-mon           | 144115188075855885                                                                                  | Both Local and Remote | Fail Safe SW Monitor Enabled/Disabled fpga.              | information | fail-safe |
| SYSLOG           |                                                                                                     |                       |                                                          |             |           |
| Format           | Fail Safe SW Monitor \$action:%s: fpga \$id1:%d: session \$id2:%d: system \$id3:%d: .               |                       |                                                          |             |           |
| Example          | Fail Safe SW Monitor Enabled fpga 1 session 1 system 1 .                                            |                       |                                                          |             |           |
| Variable         | Type                                                                                                | Value                 |                                                          | Description |           |
| action           | String                                                                                              | Enabled<br>Disabled   |                                                          | action      |           |
| id1              | Integer                                                                                             | {id}                  |                                                          | id          |           |
| id2              | Integer                                                                                             | {id}                  |                                                          | id          |           |

| id3            | Integer                                         | {id}                  | id                                                       |             |           |
|----------------|-------------------------------------------------|-----------------------|----------------------------------------------------------|-------------|-----------|
| timeout        | 144115188075855889                              | Both Local and Remote | sw/hw error time out .                                   | warning     | fail-safe |
| SYSLOG         |                                                 |                       |                                                          |             |           |
| Format         | \$obj:%s: error time out \$id:%d::\$val:%l.     |                       |                                                          |             |           |
| Example        | sw error time out 1:1.                          |                       |                                                          |             |           |
| Variable       | Type                                            | Value                 |                                                          | Description |           |
| obj            | String                                          | sw<br>hw              |                                                          | object      |           |
| id             | Integer                                         | {id}                  |                                                          | id          |           |
| val            | Long                                            | {val}                 |                                                          | val         |           |
| timeout-reset  | 144115188075855890                              | Both Local and Remote | sw/hw error timeout reset to default value.              | warning     | fail-safe |
| SYSLOG         |                                                 |                       |                                                          |             |           |
| Format         | \$obj:%s: error timeout reset to default value. |                       |                                                          |             |           |
| Example        | sw error timeout reset to default value.        |                       |                                                          |             |           |
| Variable       | Type                                            | Value                 |                                                          | Description |           |
| obj            | String                                          | sw<br>hw              |                                                          | object      |           |
| vrrp-extra-msg | 144115188075855878                              | Both Local and Remote | VRRP-A send extra message .                              | information | fail-safe |
| SYSLOG         |                                                 |                       |                                                          |             |           |
| Format         | VRRP-A send extra message \$id:%d:.             |                       |                                                          |             |           |
| Example        | VRRP-A send extra message 1.                    |                       |                                                          |             |           |
| Variable       | Type                                            | Value                 |                                                          | Description |           |
| id             | Integer                                         | {id}                  |                                                          | id          |           |
| vrrp-standby   | 144115188075855874                              | Both Local and Remote | VRRP-A change to Force Self Standby AUTO-Set/MANUAL-Set. | information | fail-safe |
| SYSLOG         |                                                 |                       |                                                          |             |           |



| Format        |                    | VRRP-A Parid \$parid:%d: VRID \$vrid:%d: change to Force Self Standby \$action:%s:. |                            |                  |      |
|---------------|--------------------|-------------------------------------------------------------------------------------|----------------------------|------------------|------|
| Example       |                    | VRRP-A Parid 1 VRID 1 change to Force Self Standby AUTO-Set.                        |                            |                  |      |
| Variable      | Type               | Value                                                                               |                            | Description      |      |
| parid         | Integer            | {parid}                                                                             |                            | parid            |      |
| vrid          | Integer            | {vrid}                                                                              |                            | vrid             |      |
| action        | String             | AUTO-Set<br>MANUAL-Set.                                                             |                            | action           |      |
| debug-info    | 598978750440275970 | Both Local and Remote                                                               | file operation debug info  | debugging        | file |
| SYSLOG        |                    |                                                                                     |                            |                  |      |
| Format        |                    | \$operation:%s: file \$file:%s: from \$handle:%s: , using \$mode:%s:                |                            |                  |      |
| Example       |                    | import file classlist-1 from /a10data/class-list/cl1.txt , using axapi              |                            |                  |      |
| Variable      | Type               | Value                                                                               |                            | Description      |      |
| operation     | String             | {operation_name}                                                                    |                            | operation name   |      |
| file          | String             | {file_name}                                                                         |                            | file name        |      |
| handle        | String             | {file_handle_name}                                                                  |                            | file handle name |      |
| mode          | String             | {service_name}                                                                      |                            | service name     |      |
| fail-status   | 598978750440275969 | Both Local and Remote                                                               | file operation failed logs | information      | file |
| SYSLOG        |                    |                                                                                     |                            |                  |      |
| Format        |                    | Failed to \$info:%s:                                                                |                            |                  |      |
| Example       |                    | Failed to remove folder                                                             |                            |                  |      |
| Variable      | Type               | Value                                                                               |                            | Description      |      |
| info          | String             | {failed_info}                                                                       |                            | failed info      |      |
| rename-status | 598978750440275971 | Both Local and Remote                                                               | file renamed operation     | error            | file |
| SYSLOG        |                    |                                                                                     |                            |                  |      |
| Format        |                    | rename \$src:%s: to \$dest:%s: error: \$dest:%s:                                    |                            |                  |      |

| Example                |                    | rename classlist-1 to classlist-2 error: permission is not allowed                      |                                       |               |      |
|------------------------|--------------------|-----------------------------------------------------------------------------------------|---------------------------------------|---------------|------|
| Variable               | Type               | Value                                                                                   |                                       | Description   |      |
| src                    | String             | {file_name}                                                                             |                                       | file name     |      |
| dest                   | String             | {file_name}                                                                             |                                       | file name     |      |
| service-export         | 598978750440275973 | Both Local and Remote                                                                   | file export info                      | information   | file |
| SYSLOG                 |                    |                                                                                         |                                       |               |      |
| Format                 |                    | Exported file \$file:%s: to \$user:%s: :\$host:%s: \$filepath:%s: using \$service:%s:   |                                       |               |      |
| Example                |                    | Exported file classlist.txt to user1 :exmaple.com /root/class1.txt using wget           |                                       |               |      |
| Variable               | Type               | Value                                                                                   |                                       | Description   |      |
| file                   | String             | {file_name}                                                                             |                                       | file name     |      |
| user                   | String             | {username_name}                                                                         |                                       | username name |      |
| host                   | String             | {host_name}                                                                             |                                       | host name     |      |
| filepath               | String             | {file_path}                                                                             |                                       | file path     |      |
| service                | String             | {service_name}                                                                          |                                       | service name  |      |
| service-import         | 598978750440275972 | Both Local and Remote                                                                   | System level file import info         | information   | file |
| SYSLOG                 |                    |                                                                                         |                                       |               |      |
| Format                 |                    | Imported file \$file:%s: from \$user:%s: :\$host:%s: \$filepath:%s: using \$service:%s: |                                       |               |      |
| Example                |                    | Imported file classlist.txt from user1 :exmaple.com /root/class1.txt using wget         |                                       |               |      |
| Variable               | Type               | Value                                                                                   |                                       | Description   |      |
| file                   | String             | {file_name}                                                                             |                                       | file name     |      |
| user                   | String             | {username_name}                                                                         |                                       | username name |      |
| host                   | String             | {host_name}                                                                             |                                       | host name     |      |
| filepath               | String             | {file_path}                                                                             |                                       | file path     |      |
| service                | String             | {service_name}                                                                          |                                       | service name  |      |
| app-active-bundle-fail | 626000348204498971 | Both Local and Remote                                                                   | Failed to activate application bundle | critical      | fw   |

|                            |                    |                                                                         |                                         |              |    |
|----------------------------|--------------------|-------------------------------------------------------------------------|-----------------------------------------|--------------|----|
| CEF                        |                    |                                                                         |                                         |              |    |
| Format                     |                    | reason=\$reason:%s:                                                     |                                         |              |    |
| Example                    |                    | reason=generic bundle loading error                                     |                                         |              |    |
| SYSLOG                     |                    |                                                                         |                                         |              |    |
| Format                     |                    | Failed to activate application bundle: \$reason:%s:                     |                                         |              |    |
| Example                    |                    | Failed to activate application bundle: generic bundle loading error     |                                         |              |    |
| Variable                   | Type               | Value                                                                   |                                         | Description  |    |
| reason                     | String             | {error_reason}                                                          |                                         | error reason |    |
| app-active-new-bundle-fail | 626000348204498996 | Both Local and Remote                                                   | Failed to active new application bundle | warning      | fw |
| CEF                        |                    |                                                                         |                                         |              |    |
| Format                     |                    | reason=\$reason:%s:                                                     |                                         |              |    |
| Example                    |                    | reason=generic bundle loading error                                     |                                         |              |    |
| SYSLOG                     |                    |                                                                         |                                         |              |    |
| Format                     |                    | Failed to activate new application bundle: \$reason:%s:                 |                                         |              |    |
| Example                    |                    | Failed to activate new application bundle: generic bundle loading error |                                         |              |    |
| Variable                   | Type               | Value                                                                   |                                         | Description  |    |
| reason                     | String             | {error_reason}                                                          |                                         | error reason |    |
| app-add-bundle-fail        | 626000348204498972 | Both Local and Remote                                                   | Add application bundle failed           | critical     | fw |
| CEF                        |                    |                                                                         |                                         |              |    |
| Format                     |                    | msg=\$msg:%s:                                                           |                                         |              |    |
| Example                    |                    | msg=Failed to add application bundle into A10 bundle context            |                                         |              |    |
| SYSLOG                     |                    |                                                                         |                                         |              |    |
| Format                     |                    | \$msg:%s:                                                               |                                         |              |    |
| Example                    |                    | Failed to add application bundle into A10 bundle context                |                                         |              |    |
| Variable                   | Type               | Value                                                                   |                                         | Description  |    |

|                       |                                                                                           |                                                                          |                                                                          |                 |    |
|-----------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------|----|
| msg                   | String                                                                                    | Failed to add application bundle into A10 bundle context                 |                                                                          | failure message |    |
| app-alloc-res-fail    | 626000348204499009                                                                        | Both Local and Remote                                                    | Failed to allocate global resource for application classification module | information     | fw |
| CEF                   |                                                                                           |                                                                          |                                                                          |                 |    |
| Format                | msg=\$msg:%s:                                                                             |                                                                          |                                                                          |                 |    |
| Example               | msg=Failed to allocate global resource for application classification module              |                                                                          |                                                                          |                 |    |
| SYSLOG                |                                                                                           |                                                                          |                                                                          |                 |    |
| Format                | \$msg:%s:                                                                                 |                                                                          |                                                                          |                 |    |
| Example               | Failed to allocate global resource for application classification module                  |                                                                          |                                                                          |                 |    |
| Variable              | Type                                                                                      | Value                                                                    |                                                                          | Description     |    |
| msg                   | String                                                                                    | Failed to allocate global resource for application classification module |                                                                          | error message   |    |
| app-alloc-worker-fail | 626000348204498966                                                                        | Both Local and Remote                                                    | Allocate application worker failed                                       | critical        | fw |
| CEF                   |                                                                                           |                                                                          |                                                                          |                 |    |
| Format                | reason=\$reason:%s:                                                                       |                                                                          |                                                                          |                 |    |
| Example               | reason=generic bundle loading error                                                       |                                                                          |                                                                          |                 |    |
| SYSLOG                |                                                                                           |                                                                          |                                                                          |                 |    |
| Format                | Failed to allocate application worker instances: \$reason:%s:                             |                                                                          |                                                                          |                 |    |
| Example               | Failed to allocate application worker instances: generic bundle loading error             |                                                                          |                                                                          |                 |    |
| Variable              | Type                                                                                      | Value                                                                    |                                                                          | Description     |    |
| reason                | String                                                                                    | {error_reason}                                                           |                                                                          | error reason    |    |
| app-bundle-inuse      | 626000348204498992                                                                        | Both Local and Remote                                                    | Application bundle is in used for traffic classification                 | warning         | fw |
| CEF                   |                                                                                           |                                                                          |                                                                          |                 |    |
| Format                | msg=\$msg:%s:                                                                             |                                                                          |                                                                          |                 |    |
| Example               | msg=Target bundle may still be in use for traffic classification. Please try again later. |                                                                          |                                                                          |                 |    |
| SYSLOG                |                                                                                           |                                                                          |                                                                          |                 |    |

|                        |                    |                                                                                       |                                     |                            |    |
|------------------------|--------------------|---------------------------------------------------------------------------------------|-------------------------------------|----------------------------|----|
| Format                 |                    | \$msg:%s:                                                                             |                                     |                            |    |
| Example                |                    | Target bundle may still be in use for traffic classification. Please try again later. |                                     |                            |    |
| Variable               | Type               | Value                                                                                 |                                     | Description                |    |
| msg                    | String             | Target bundle may still be in use for traffic classification. Please try again later. |                                     | warning message            |    |
| app-bundle-loaded      | 626000348204499005 | Both Local and Remote                                                                 | Application bundle is loaded        | information                | fw |
| CEF                    |                    |                                                                                       |                                     |                            |    |
| Format                 |                    | cs1=\$ver:%s: cs1Label=Application Bundle Version                                     |                                     |                            |    |
| Example                |                    | cs1=1.380.0-20 (build date Mar 28 2018) cs1Label=Application Bundle Version           |                                     |                            |    |
| SYSLOG                 |                    |                                                                                       |                                     |                            |    |
| Format                 |                    | Application bundle \$ver:%s: loaded                                                   |                                     |                            |    |
| Example                |                    | Application bundle 1.380.0-20 (build date Mar 28 2018) loaded                         |                                     |                            |    |
| Variable               | Type               | Value                                                                                 |                                     | Description                |    |
| ver                    | String             | 1.380.0-20 (build date Mar 28 2018)                                                   |                                     | application bundle version |    |
| app-bundle-reload-fail | 626000348204499008 | Both Local and Remote                                                                 | Failed to reload Application bundle | information                | fw |
| CEF                    |                    |                                                                                       |                                     |                            |    |
| Format                 |                    | cs1=\$ver:%s: cs1Label=Application Engine Version                                     |                                     |                            |    |
| Example                |                    | cs1=5.1.0-36 (build date Jan 18 2018) cs1Label=Application Engine Version             |                                     |                            |    |
| SYSLOG                 |                    |                                                                                       |                                     |                            |    |
| Format                 |                    | Failed to load application bundle in engine \$ver:%s:                                 |                                     |                            |    |
| Example                |                    | Failed to load application bundle in engine 5.1.0-36 (build date Jan 18 2018)         |                                     |                            |    |
| Variable               | Type               | Value                                                                                 |                                     | Description                |    |
| ver                    | String             | {application_engine_version}                                                          |                                     | application engine version |    |
| app-bundle-reloaded    | 626000348204499007 | Both Local and Remote                                                                 | Application bundle is reloaded      | information                | fw |
| CEF                    |                    |                                                                                       |                                     |                            |    |

|                        |                                                                                                                                                       |                                     |                                        |                            |    |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|----------------------------|----|
| Format                 | cs1=\$b_ver:%s: cs1Label=Application Bundle Version cs2=\$e_ver:%s: cs2Label=Application Engine Version                                               |                                     |                                        |                            |    |
| Example                | cs1=1.380.0-20 (build date Mar 28 2018) cs1Label=Application Bundle Version cs2=5.1.0-36 (build date Jan 18 2018) cs2Label=Application Engine Version |                                     |                                        |                            |    |
| SYSLOG                 |                                                                                                                                                       |                                     |                                        |                            |    |
| Format                 | Application bundle \$b_ver:%s: is reloaded in engine \$e_ver:%s:                                                                                      |                                     |                                        |                            |    |
| Example                | Application bundle 1.380.0-20 (build date Mar 28 2018) is reloaded in engine 5.1.0-36 (build date Jan 18 2018)                                        |                                     |                                        |                            |    |
| Variable               | Type                                                                                                                                                  | Value                               |                                        | Description                |    |
| b_ver                  | String                                                                                                                                                | 1.380.0-20 (build date Mar 28 2018) |                                        | application bundle version |    |
| e_ver                  | String                                                                                                                                                | {application_engine_version}        |                                        | application engine version |    |
| app-bundle-reloading   | 626000348204499006                                                                                                                                    | Both Local and Remote               | Reloading Application bundle           | information                | fw |
| CEF                    |                                                                                                                                                       |                                     |                                        |                            |    |
| Format                 | cs1=\$b_ver:%s: cs1Label=Application Bundle Version cs2=\$e_ver:%s: cs2Label=Application Engine Version                                               |                                     |                                        |                            |    |
| Example                | cs1=1.380.0-20 (build date Mar 28 2018) cs1Label=Application Bundle Version cs2=5.1.0-36 (build date Jan 18 2018) cs2Label=Application Engine Version |                                     |                                        |                            |    |
| SYSLOG                 |                                                                                                                                                       |                                     |                                        |                            |    |
| Format                 | Reloading application bundle \$b_ver:%s: in engine \$e_ver:%s:                                                                                        |                                     |                                        |                            |    |
| Example                | Reloading application bundle 1.380.0-20 (build date Mar 28 2018) in engine 5.1.0-36 (build date Jan 18 2018)                                          |                                     |                                        |                            |    |
| Variable               | Type                                                                                                                                                  | Value                               |                                        | Description                |    |
| b_ver                  | String                                                                                                                                                | 1.380.0-20 (build date Mar 28 2018) |                                        | application bundle version |    |
| e_ver                  | String                                                                                                                                                | {application_engine_version}        |                                        | application engine version |    |
| app-bundle-set-cb-fail | 626000348204498970                                                                                                                                    | Both Local and Remote               | Set application bundle callback failed | critical                   | fw |
| CEF                    |                                                                                                                                                       |                                     |                                        |                            |    |
| Format                 | reason=\$reason:%s:                                                                                                                                   |                                     |                                        |                            |    |
| Example                | reason=generic bundle loading error                                                                                                                   |                                     |                                        |                            |    |
| SYSLOG                 |                                                                                                                                                       |                                     |                                        |                            |    |
| Format                 | Failed to set application bundle destroy callback: \$reason:%s:                                                                                       |                                     |                                        |                            |    |

| Example             |                    | Failed to set application bundle destroy callback: generic bundle loading error     |                                            |                           |    |
|---------------------|--------------------|-------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|----|
| Variable            | Type               | Value                                                                               |                                            | Description               |    |
| reason              | String             | {error_reason}                                                                      |                                            | error reason              |    |
| app-category-fail   | 626000348204498990 | Both Local and Remote                                                               | Enable/Disable application category failed | warning                   | fw |
| CEF                 |                    |                                                                                     |                                            |                           |    |
| Format              |                    | act=\$act:%s: category=\$cat:%s: reason=\$reason:%s:                                |                                            |                           |    |
| Example             |                    | act=enable category=social-networks reason=generic bundle loading error             |                                            |                           |    |
| SYSLOG              |                    |                                                                                     |                                            |                           |    |
| Format              |                    | Failed to \$act:%s: application category \$cat:%s:: \$reason:%s:                    |                                            |                           |    |
| Example             |                    | Failed to enable application category social-networks: generic bundle loading error |                                            |                           |    |
| Variable            | Type               | Value                                                                               |                                            | Description               |    |
| act                 | String             | enable<br>disable                                                                   |                                            | action                    |    |
| cat                 | String             | {application_category}                                                              |                                            | application category      |    |
| reason              | String             | {error_reason}                                                                      |                                            | error reason              |    |
| app-category-no-app | 626000348204498985 | Both Local and Remote                                                               | Application category has no apps           | warning                   | fw |
| CEF                 |                    |                                                                                     |                                            |                           |    |
| Format              |                    | cs1=\$type:%s: cs1Label=Application Category Type category=\$name:%s:               |                                            |                           |    |
| Example             |                    | cs1=Category cs1Label=Application Category Type category=social-networks            |                                            |                           |    |
| SYSLOG              |                    |                                                                                     |                                            |                           |    |
| Format              |                    | \$type:%s: \$name:%s: has no apps.                                                  |                                            |                           |    |
| Example             |                    | Category social-networks has no apps.                                               |                                            |                           |    |
| Variable            | Type               | Value                                                                               |                                            | Description               |    |
| type                | String             | Category<br>Tag                                                                     |                                            | application category type |    |
| name                | String             | {application_category}                                                              |                                            | application category      |    |
|                     |                    |                                                                                     |                                            |                           |    |

|                             |                                                                                            |                                                                                                   |                                             |                        |    |
|-----------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------|----|
| app-category-not-consistent | 626000348204498961                                                                         | Both Local and Remote                                                                             | Application category info is not consistent | critical               | fw |
| CEF                         |                                                                                            |                                                                                                   |                                             |                        |    |
| Format                      | category=\$cat:%s: threshold=\$size:%u: current=\$num:%u:                                  |                                                                                                   |                                             |                        |    |
| Example                     | category=social-networks threshold=0 current=0                                             |                                                                                                   |                                             |                        |    |
| SYSLOG                      |                                                                                            |                                                                                                   |                                             |                        |    |
| Format                      | Category info is not consistent: category=\$cat:%s: category_size=\$size:%u: num=\$num:%u: |                                                                                                   |                                             |                        |    |
| Example                     | Category info is not consistent: category=social-networks category_size=0 num=0            |                                                                                                   |                                             |                        |    |
| Variable                    | Type                                                                                       | Value                                                                                             |                                             | Description            |    |
| cat                         | String                                                                                     | {application_category}                                                                            |                                             | application category   |    |
| size                        | Unsigned Integer                                                                           | 0-32767                                                                                           |                                             | total protocol count   |    |
| num                         | Unsigned Integer                                                                           | 0-32767                                                                                           |                                             | current protocol count |    |
| app-config-success          | 626000348204499002                                                                         | Both Local and Remote                                                                             | Application configuration success           | information            | fw |
| CEF                         |                                                                                            |                                                                                                   |                                             |                        |    |
| Format                      | msg=\$msg:%s:                                                                              |                                                                                                   |                                             |                        |    |
| Example                     | msg=Application related configuration                                                      |                                                                                                   |                                             |                        |    |
| SYSLOG                      |                                                                                            |                                                                                                   |                                             |                        |    |
| Format                      | \$msg:%s:                                                                                  |                                                                                                   |                                             |                        |    |
| Example                     | Application related configuration                                                          |                                                                                                   |                                             |                        |    |
| Variable                    | Type                                                                                       | Value                                                                                             |                                             | Description            |    |
| msg                         | String                                                                                     | Application related configuration command is applied. Initializing application engine and bundle. |                                             | informational message  |    |
| app-create-bundle-fail      | 626000348204498968                                                                         | Both Local and Remote                                                                             | Create application bundle failed            | critical               | fw |
| CEF                         |                                                                                            |                                                                                                   |                                             |                        |    |
| Format                      | reason=\$reason:%s:                                                                        |                                                                                                   |                                             |                        |    |
| Example                     | reason=generic bundle loading error                                                        |                                                                                                   |                                             |                        |    |



| SYSLOG                   |                    |                                                                            |                                    |                           |    |
|--------------------------|--------------------|----------------------------------------------------------------------------|------------------------------------|---------------------------|----|
| Format                   |                    | Failed to create application bundle instance: \$reason:%s:                 |                                    |                           |    |
| Example                  |                    | Failed to create application bundle instance: generic bundle loading error |                                    |                           |    |
| Variable                 | Type               | Value                                                                      |                                    | Description               |    |
| reason                   | String             | {error_reason}                                                             |                                    | error reason              |    |
| app-create-category-fail | 626000348204498963 | Both Local and Remote                                                      | Create application category failed | critical                  | fw |
| CEF                      |                    |                                                                            |                                    |                           |    |
| Format                   |                    | cs1=\$type:%s: cs1Label=Application Category Type                          |                                    |                           |    |
| Example                  |                    | cs1=family cs1Label=Application Category Type                              |                                    |                           |    |
| SYSLOG                   |                    |                                                                            |                                    |                           |    |
| Format                   |                    | Failed to create application \$type:%s: info                               |                                    |                           |    |
| Example                  |                    | Failed to create application family info                                   |                                    |                           |    |
| Variable                 | Type               | Value                                                                      |                                    | Description               |    |
| type                     | String             | family tag                                                                 |                                    | application category type |    |
| app-create-engine-fail   | 626000348204498965 | Both Local and Remote                                                      | Create application engine failed   | critical                  | fw |
| CEF                      |                    |                                                                            |                                    |                           |    |
| Format                   |                    | reason=\$reason:%s:                                                        |                                    |                           |    |
| Example                  |                    | reason=generic bundle loading error                                        |                                    |                           |    |
| SYSLOG                   |                    |                                                                            |                                    |                           |    |
| Format                   |                    | Failed to create application engine instance: \$reason:%s:                 |                                    |                           |    |
| Example                  |                    | Failed to create application engine instance: generic bundle loading error |                                    |                           |    |
| Variable                 | Type               | Value                                                                      |                                    | Description               |    |
| reason                   | String             | {error_reason}                                                             |                                    | error reason              |    |
| app-create-worker-fail   | 626000348204498967 | Both Local and Remote                                                      | Create application worker failed   | critical                  | fw |

|                         |                    |                                                                                                    |                                      |                              |    |
|-------------------------|--------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------|----|
| CEF                     |                    |                                                                                                    |                                      |                              |    |
| Format                  |                    | current=\$index:%u: threshold=\$num:%u: reason=\$reason:%s:                                        |                                      |                              |    |
| Example                 |                    | current=0 threshold=0 reason=generic bundle loading error                                          |                                      |                              |    |
| SYSLOG                  |                    |                                                                                                    |                                      |                              |    |
| Format                  |                    | Failed to create application worker[\$index:%u:/\$num:%u:] instance: \$reason:%s:                  |                                      |                              |    |
| Example                 |                    | Failed to create application worker[0/0] instance: generic bundle loading error                    |                                      |                              |    |
| Variable                | Type               | Value                                                                                              |                                      | Description                  |    |
| index                   | Unsigned Integer   | 0-255                                                                                              |                                      | application worker index     |    |
| num                     | Unsigned Integer   | 0-255                                                                                              |                                      | max application worker count |    |
| reason                  | String             | {error_reason}                                                                                     |                                      | error reason                 |    |
| app-destroy-bundle-fail | 626000348204498986 | Both Local and Remote                                                                              | Failed to destroy application bundle | warning                      | fw |
| CEF                     |                    |                                                                                                    |                                      |                              |    |
| Format                  |                    | cs1=\$type:%s: cs1Label=Application Bundle Type reason=\$reason:%s:                                |                                      |                              |    |
| Example                 |                    | cs1=active application bundle cs1Label=Application Bundle Type reason=generic bundle loading error |                                      |                              |    |
| SYSLOG                  |                    |                                                                                                    |                                      |                              |    |
| Format                  |                    | Failed to destroy \$type:%s:: \$reason:%s:                                                         |                                      |                              |    |
| Example                 |                    | Failed to destroy active application bundle: generic bundle loading error                          |                                      |                              |    |
| Variable                | Type               | Value                                                                                              |                                      | Description                  |    |
| type                    | String             | active application bundle<br>application bundle                                                    |                                      | application bundle type      |    |
| reason                  | String             | {error_reason}                                                                                     |                                      | error reason                 |    |
| app-enable-sig-fail     | 626000348204498969 | Both Local and Remote                                                                              | Enable application sig failed        | critical                     | fw |
| CEF                     |                    |                                                                                                    |                                      |                              |    |
| Format                  |                    | reason=\$reason:%s:                                                                                |                                      |                              |    |
| Example                 |                    | reason=generic bundle loading error                                                                |                                      |                              |    |
| SYSLOG                  |                    |                                                                                                    |                                      |                              |    |

| Format                    |                    | Failed to enable application signatures: \$reason:%s:                     |                                                 |                            |    |
|---------------------------|--------------------|---------------------------------------------------------------------------|-------------------------------------------------|----------------------------|----|
| Example                   |                    | Failed to enable application signatures: generic bundle loading error     |                                                 |                            |    |
| Variable                  | Type               | Value                                                                     |                                                 | Description                |    |
| reason                    | String             | {error_reason}                                                            |                                                 | error reason               |    |
| app-engine-basic-dpi-mode | 626000348204499004 | Both Local and Remote                                                     | Application engine is working in basic DPI mode | information                | fw |
| CEF                       |                    |                                                                           |                                                 |                            |    |
| Format                    |                    | msg=\$msg:%s:                                                             |                                                 |                            |    |
| Example                   |                    | msg=Application engine is working in basic DPI mode                       |                                                 |                            |    |
| SYSLOG                    |                    |                                                                           |                                                 |                            |    |
| Format                    |                    | \$msg:%s:                                                                 |                                                 |                            |    |
| Example                   |                    | Application engine is working in basic DPI mode                           |                                                 |                            |    |
| Variable                  | Type               | Value                                                                     |                                                 | Description                |    |
| msg                       | String             | Application engine is working in basic DPI mode                           |                                                 | application engine status  |    |
| app-engine-loaded         | 626000348204499003 | Both Local and Remote                                                     | Application engine is loaded                    | information                | fw |
| CEF                       |                    |                                                                           |                                                 |                            |    |
| Format                    |                    | cs1=\$ver:%s: cs1Label=Application Engine Version                         |                                                 |                            |    |
| Example                   |                    | cs1=5.1.0-36 (build date Jan 18 2018) cs1Label=Application Engine Version |                                                 |                            |    |
| SYSLOG                    |                    |                                                                           |                                                 |                            |    |
| Format                    |                    | Application engine \$ver:%s: loaded                                       |                                                 |                            |    |
| Example                   |                    | Application engine 5.1.0-36 (build date Jan 18 2018) loaded               |                                                 |                            |    |
| Variable                  | Type               | Value                                                                     |                                                 | Description                |    |
| ver                       | String             | {application_engine_version}                                              |                                                 | application engine version |    |
| app-find-web-ext-tag-fail | 626000348204498983 | Both Local and Remote                                                     | Failed to find application web extension tag    | error                      | fw |
| CEF                       |                    |                                                                           |                                                 |                            |    |
| Format                    |                    | category=\$tag:%s:                                                        |                                                 |                            |    |

|                  |                                                                                  |                                 |                                     |                               |    |
|------------------|----------------------------------------------------------------------------------|---------------------------------|-------------------------------------|-------------------------------|----|
| Example          | category=web-ext-blogs                                                           |                                 |                                     |                               |    |
| SYSLOG           |                                                                                  |                                 |                                     |                               |    |
| Format           | Failed to find web-ext-tag \$tag:%s:                                             |                                 |                                     |                               |    |
| Example          | Failed to find web-ext-tag web-ext-blogs                                         |                                 |                                     |                               |    |
| Variable         | Type                                                                             | Value                           |                                     | Description                   |    |
| tag              | String                                                                           | {application_web_extension_tag} |                                     | application web extension tag |    |
| app-get-sig-fail | 626000348204498962                                                               | Both Local and Remote           | Get application sig failed          | critical                      | fw |
| CEF              |                                                                                  |                                 |                                     |                               |    |
| Format           | reason=\$reason:%s:                                                              |                                 |                                     |                               |    |
| Example          | reason=generic bundle loading error                                              |                                 |                                     |                               |    |
| SYSLOG           |                                                                                  |                                 |                                     |                               |    |
| Format           | Failed to get application signature info: \$reason:%s:                           |                                 |                                     |                               |    |
| Example          | Failed to get application signature info: generic bundle loading error           |                                 |                                     |                               |    |
| Variable         | Type                                                                             | Value                           |                                     | Description                   |    |
| reason           | String                                                                           | {error_reason}                  |                                     | error reason                  |    |
| app-get-tag-fail | 626000348204498984                                                               | Both Local and Remote           | Failed to get tags from application | warning                       | fw |
| CEF              |                                                                                  |                                 |                                     |                               |    |
| Format           | app=\$app:%s: reason=\$reason:%s:                                                |                                 |                                     |                               |    |
| Example          | app=http reason=generic bundle loading error                                     |                                 |                                     |                               |    |
| SYSLOG           |                                                                                  |                                 |                                     |                               |    |
| Format           | Failed to get tags from application app=\$app:%s: Error: \$reason:%s:            |                                 |                                     |                               |    |
| Example          | Failed to get tags from application app=http Error: generic bundle loading error |                                 |                                     |                               |    |
| Variable         | Type                                                                             | Value                           |                                     | Description                   |    |
| app              | String                                                                           | {application_protocol}          |                                     | application protocol          |    |
| reason           | String                                                                           | {error_reason}                  |                                     | error reason                  |    |

|                   |                                                                              |                       |                                    |                        |    |
|-------------------|------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------|----|
| app-id-exceed     | 626000348204498982                                                           | Both Local and Remote | Application-ID exceeds upper limit | error                  | fw |
| CEF               |                                                                              |                       |                                    |                        |    |
| Format            | current=\$id:%u: threshold=\$max:%u:                                         |                       |                                    |                        |    |
| Example           | current=0 threshold=4096                                                     |                       |                                    |                        |    |
| SYSLOG            |                                                                              |                       |                                    |                        |    |
| Format            | Application-ID \$id:%u: exceeds upper limit \$max:%u:                        |                       |                                    |                        |    |
| Example           | Application-ID 0 exceeds upper limit 4096                                    |                       |                                    |                        |    |
| Variable          | Type                                                                         | Value                 |                                    | Description            |    |
| id                | Unsigned Integer                                                             | 0-4294967295          |                                    | application-id         |    |
| max               | Unsigned Integer                                                             | 4096                  |                                    | max application number |    |
| app-mem-pool-type | 626000348204499010                                                           | Both Local and Remote | Check application memory pool type | information            | fw |
| CEF               |                                                                              |                       |                                    |                        |    |
| Format            | cs1=\$type:%s: cs1Label=Memory Pool Type                                     |                       |                                    |                        |    |
| Example           | cs1=A10 cs1Label=Memory Pool Type                                            |                       |                                    |                        |    |
| SYSLOG            |                                                                              |                       |                                    |                        |    |
| Format            | \$type:%s: memory pool is in operation.                                      |                       |                                    |                        |    |
| Example           | A10 memory pool is in operation.                                             |                       |                                    |                        |    |
| Variable          | Type                                                                         | Value                 |                                    | Description            |    |
| type              | String                                                                       | A10 Application       |                                    | memory pool type       |    |
| app-no-license    | 626000348204498964                                                           | Both Local and Remote | QOSMOS is not licensed             | critical               | fw |
| CEF               |                                                                              |                       |                                    |                        |    |
| Format            | msg=\$msg:%s:                                                                |                       |                                    |                        |    |
| Example           | msg=QOSMOS is not licensed. Stop initializing application engine and bundle. |                       |                                    |                        |    |
| SYSLOG            |                                                                              |                       |                                    |                        |    |

|                            |                    |                                                                          |                                            |                      |    |
|----------------------------|--------------------|--------------------------------------------------------------------------|--------------------------------------------|----------------------|----|
| Format                     |                    | \$msg:%s:                                                                |                                            |                      |    |
| Example                    |                    | QOSMOS is not licensed. Stop initializing application engine and bundle. |                                            |                      |    |
| Variable                   | Type               | Value                                                                    |                                            | Description          |    |
| msg                        | String             | {failure_message}                                                        |                                            | failure message      |    |
| app-path-too-long          | 626000348204498991 | Both Local and Remote                                                    | Classification path is too long            | warning              | fw |
| CEF                        |                    |                                                                          |                                            |                      |    |
| Format                     |                    | cs1=\$path:%s: cs1Label=Classification Path                              |                                            |                      |    |
| Example                    |                    | cs1=base.ip.tcp.http cs1Label=Classification Path                        |                                            |                      |    |
| SYSLOG                     |                    |                                                                          |                                            |                      |    |
| Format                     |                    | Classification path is too long: path=\$path:%s:                         |                                            |                      |    |
| Example                    |                    | Classification path is too long: path=base.ip.tcp.http                   |                                            |                      |    |
| Variable                   | Type               | Value                                                                    |                                            | Description          |    |
| path                       | String             | {classification_path}                                                    |                                            | classification path  |    |
| app-protocol-fail          | 626000348204498989 | Both Local and Remote                                                    | Enable/Disable application protocol failed | warning              | fw |
| CEF                        |                    |                                                                          |                                            |                      |    |
| Format                     |                    | act=\$act:%s: app=\$app:%s: reason=\$reason:%s:                          |                                            |                      |    |
| Example                    |                    | act=enable app=http reason=generic bundle loading error                  |                                            |                      |    |
| SYSLOG                     |                    |                                                                          |                                            |                      |    |
| Format                     |                    | Failed to \$act:%s: application protocol \$app:%s:: \$reason:%s:         |                                            |                      |    |
| Example                    |                    | Failed to enable application protocol http: generic bundle loading error |                                            |                      |    |
| Variable                   | Type               | Value                                                                    |                                            | Description          |    |
| act                        | String             | enable<br>disable                                                        |                                            | action               |    |
| app                        | String             | {application_protocol}                                                   |                                            | application protocol |    |
| reason                     | String             | {error_reason}                                                           |                                            | error reason         |    |
| app-reload-add-bundle-fail | 626000348204498997 | Both Local and                                                           | Add application bundle failed              | warning              | fw |

|                               |                                                                                       |                                                          |                                              |                 |    |
|-------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|-----------------|----|
|                               |                                                                                       | Remote                                                   |                                              |                 |    |
| CEF                           |                                                                                       |                                                          |                                              |                 |    |
| Format                        | msg=\$msg:%s:                                                                         |                                                          |                                              |                 |    |
| Example                       | msg=Failed to add application bundle into A10 bundle context                          |                                                          |                                              |                 |    |
| SYSLOG                        |                                                                                       |                                                          |                                              |                 |    |
| Format                        | \$msg:%s:                                                                             |                                                          |                                              |                 |    |
| Example                       | Failed to add application bundle into A10 bundle context                              |                                                          |                                              |                 |    |
| Variable                      | Type                                                                                  | Value                                                    |                                              | Description     |    |
| msg                           | String                                                                                | Failed to add application bundle into A10 bundle context |                                              | failure message |    |
| app-reload-create-bundle-fail | 626000348204498993                                                                    | Both Local and Remote                                    | Create application bundle failed when reload | warning         | fw |
| CEF                           |                                                                                       |                                                          |                                              |                 |    |
| Format                        | reason=\$reason:%s:                                                                   |                                                          |                                              |                 |    |
| Example                       | reason=generic bundle loading error                                                   |                                                          |                                              |                 |    |
| SYSLOG                        |                                                                                       |                                                          |                                              |                 |    |
| Format                        | Failed to create application bundle instance for reload: \$reason:%s:                 |                                                          |                                              |                 |    |
| Example                       | Failed to create application bundle instance for reload: generic bundle loading error |                                                          |                                              |                 |    |
| Variable                      | Type                                                                                  | Value                                                    |                                              | Description     |    |
| reason                        | String                                                                                | {error_reason}                                           |                                              | error reason    |    |
| app-reload-enable-sig-fail    | 626000348204498995                                                                    | Both Local and Remote                                    | Enable application sig fail                  | warning         | fw |
| CEF                           |                                                                                       |                                                          |                                              |                 |    |
| Format                        | reason=\$reason:%s:                                                                   |                                                          |                                              |                 |    |
| Example                       | reason=generic bundle loading error                                                   |                                                          |                                              |                 |    |
| SYSLOG                        |                                                                                       |                                                          |                                              |                 |    |
| Format                        | Failed to enable application signatures: \$reason:%s:                                 |                                                          |                                              |                 |    |
| Example                       | Failed to enable application signatures: generic bundle loading error                 |                                                          |                                              |                 |    |
|                               |                                                                                       |                                                          |                                              |                 |    |

| Variable                      | Type                                                                   | Value                                                  |                                                    | Description     |    |
|-------------------------------|------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|-----------------|----|
| reason                        | String                                                                 | {error_reason}                                         |                                                    | error reason    |    |
| app-reload-engine-disabled    | 626000348204498998                                                     | Both Local and Remote                                  | Application engine disabled during bundle reload   | warning         | fw |
| CEF                           |                                                                        |                                                        |                                                    |                 |    |
| Format                        | msg=\$msg:%s:                                                          |                                                        |                                                    |                 |    |
| Example                       | msg=Application engine is not enabled during bundle reload             |                                                        |                                                    |                 |    |
| SYSLOG                        |                                                                        |                                                        |                                                    |                 |    |
| Format                        | \$msg:%s:                                                              |                                                        |                                                    |                 |    |
| Example                       | Application engine is not enabled during bundle reload                 |                                                        |                                                    |                 |    |
| Variable                      | Type                                                                   | Value                                                  |                                                    | Description     |    |
| msg                           | String                                                                 | Application engine is not enabled during bundle reload |                                                    | failure message |    |
| app-reload-get-sig-fail       | 626000348204498988                                                     | Both Local and Remote                                  | Get application sig failed when reload             | warning         | fw |
| CEF                           |                                                                        |                                                        |                                                    |                 |    |
| Format                        | reason=\$reason:%s:                                                    |                                                        |                                                    |                 |    |
| Example                       | reason=generic bundle loading error                                    |                                                        |                                                    |                 |    |
| SYSLOG                        |                                                                        |                                                        |                                                    |                 |    |
| Format                        | Failed to get application signature info: \$reason:%s:                 |                                                        |                                                    |                 |    |
| Example                       | Failed to get application signature info: generic bundle loading error |                                                        |                                                    |                 |    |
| Variable                      | Type                                                                   | Value                                                  |                                                    | Description     |    |
| reason                        | String                                                                 | {error_reason}                                         |                                                    | error reason    |    |
| app-reload-set-bundle-cb-fail | 626000348204498994                                                     | Both Local and Remote                                  | Set application bundle callback failed when reload | warning         | fw |
| CEF                           |                                                                        |                                                        |                                                    |                 |    |
| Format                        | reason=\$reason:%s:                                                    |                                                        |                                                    |                 |    |
| Example                       | reason=generic bundle loading error                                    |                                                        |                                                    |                 |    |
| SYSLOG                        |                                                                        |                                                        |                                                    |                 |    |



| Format             |                    | Failed to set application bundle destroy callback: \$reason:%s:                 |                                         |                             |    |
|--------------------|--------------------|---------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|----|
| Example            |                    | Failed to set application bundle destroy callback: generic bundle loading error |                                         |                             |    |
| Variable           | Type               | Value                                                                           |                                         | Description                 |    |
| reason             | String             | {error_reason}                                                                  |                                         | error reason                |    |
| app-stat-id-exceed | 626000348204498987 | Both Local and Remote                                                           | Application stat ID exceeds upper limit | warning                     | fw |
| CEF                |                    |                                                                                 |                                         |                             |    |
| Format             |                    | threshold=\$max:%u: cn1=\$id:%u: cn1Label=Application ID                        |                                         |                             |    |
| Example            |                    | threshold=4864 cn1=0 cn1Label=Application ID                                    |                                         |                             |    |
| SYSLOG             |                    |                                                                                 |                                         |                             |    |
| Format             |                    | Stat-ID exceeds upper limit \$max:%u:: app_id=\$id:%u:                          |                                         |                             |    |
| Example            |                    | Stat-ID exceeds upper limit 4864: app_id=0                                      |                                         |                             |    |
| Variable           | Type               | Value                                                                           |                                         | Description                 |    |
| max                | Unsigned Integer   | 4864                                                                            |                                         | max application stat number |    |
| id                 | Unsigned Integer   | 0-4096                                                                          |                                         | application id              |    |
| app-tag-truncated  | 626000348204498981 | Both Local and Remote                                                           | Application Tag name is truncated       | critical                    | fw |
| CEF                |                    |                                                                                 |                                         |                             |    |
| Format             |                    | cn1=\$id:%u: cn1Label=Application Tag ID category=\$name:%s:                    |                                         |                             |    |
| Example            |                    | cn1=1 cn1Label=Application Tag ID category=social-networks                      |                                         |                             |    |
| SYSLOG             |                    |                                                                                 |                                         |                             |    |
| Format             |                    | Tag name of id \$id:%u: is truncated: \$name:%s:                                |                                         |                             |    |
| Example            |                    | Tag name of id 1 is truncated: social-networks                                  |                                         |                             |    |
| Variable           | Type               | Value                                                                           |                                         | Description                 |    |
| id                 | Unsigned Integer   | 1-64                                                                            |                                         | application tag id          |    |
| name               | String             | {application_tag_name}                                                          |                                         | application tag name        |    |
| fw-byzone-fail     | 626000348204498977 | Both Local and Remote                                                           | Prepare FW byzone data failed           | critical                    | fw |

|                      |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
|----------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|----|
| CEF                  |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
| Format               |                    | cs1=\$policy:%s: cs1Label=Rule Set Name                                                                                                                                                                                                                                       |                                |                |    |
| Example              |                    | cs1=rule-set cs1Label=Rule Set Name                                                                                                                                                                                                                                           |                                |                |    |
| SYSLOG               |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
| Format               |                    | Failed to prepare byzone data for policy [\$policy:%s:]                                                                                                                                                                                                                       |                                |                |    |
| Example              |                    | Failed to prepare byzone data for policy [rule-set]                                                                                                                                                                                                                           |                                |                |    |
| Variable             | Type               | Value                                                                                                                                                                                                                                                                         |                                | Description    |    |
| policy               | String             | {rule_set_name}                                                                                                                                                                                                                                                               |                                | rule set name  |    |
| fw-compile-fail      | 626000348204498959 | Both Local and Remote                                                                                                                                                                                                                                                         | Rule set compilation fail      | critical       | fw |
| CEF                  |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
| Format               |                    | cs1=\$policy:%s: cs1Label=Rule Set Name partName=\$vnp_name:%s:                                                                                                                                                                                                               |                                |                |    |
| Example              |                    | cs1=rule-set cs1Label=Rule Set Name partName=l3v                                                                                                                                                                                                                              |                                |                |    |
| SYSLOG               |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
| Format               |                    | Firewall rule-set "\$policy:%s:" could not be applied in "\$vnp_name:%s:".                                                                                                                                                                                                    |                                |                |    |
| Example              |                    | Firewall rule-set "rule-set" could not be applied in "l3v".                                                                                                                                                                                                                   |                                |                |    |
| Variable             | Type               | Value                                                                                                                                                                                                                                                                         |                                | Description    |    |
| policy               | String             | {rule_set_name}                                                                                                                                                                                                                                                               |                                | rule set name  |    |
| vnp_name             | String             | {partition_name}                                                                                                                                                                                                                                                              |                                | partition name |    |
| fw-compile-fail-time | 626000348204498958 | Both Local and Remote                                                                                                                                                                                                                                                         | Rule set compilation fail time | critical       | fw |
| CEF                  |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
| Format               |                    | cs1=\$policy:%s: cs1Label=Rule Set Name partName=\$vnp_name:%s: cs2=\$time:%s: cs2Label=Compile Completion Time                                                                                                                                                               |                                |                |    |
| Example              |                    | cs1=rule-set cs1Label=Rule Set Name partName=l3v cs2=1900-01-01 00:00:00 cs2Label=Compile Completion Time                                                                                                                                                                     |                                |                |    |
| SYSLOG               |                    |                                                                                                                                                                                                                                                                               |                                |                |    |
| Format               |                    | New changes to active rule-set "\$policy:%s:" in partition "\$vnp_name:%s:" could not be applied. Firewall is still using the rule-set version as of \$time:%s:. Changes to the Firewall active rule-set configuration since \$time2:%s: may need to be manually rolled back. |                                |                |    |

| Example            |                    | New changes to active rule-set "rule-set" in partition "l3v" could not be applied. Firewall is still using the rule-set version as of 1900-01-01 00:00:00. Changes to the Firewall active rule-set configuration since 1900-01-01 00:00:00 may need to be manually rolled back. |                                                |                          |    |
|--------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|----|
| Variable           | Type               | Value                                                                                                                                                                                                                                                                           |                                                | Description              |    |
| policy             | String             | {rule_set_name}                                                                                                                                                                                                                                                                 |                                                | rule set name            |    |
| vnp_name           | String             | {partition_name}                                                                                                                                                                                                                                                                |                                                | partition name           |    |
| time               | String             | {compile_completion_time}                                                                                                                                                                                                                                                       |                                                | compile completion time  |    |
| time2              | String             | {complile_completion_time}                                                                                                                                                                                                                                                      |                                                | complile completion time |    |
| fw-compile-oom     | 626000348204498960 | Both Local and Remote                                                                                                                                                                                                                                                           | Rule set compilation fail due to out of memory | critical                 | fw |
| CEF                |                    |                                                                                                                                                                                                                                                                                 |                                                |                          |    |
| Format             |                    | partName=\$vnp_name:%s: cs1=\$policy:%s: cs1Label=Rule Set Name                                                                                                                                                                                                                 |                                                |                          |    |
| Example            |                    | partName=l3v cs1=rule-set cs1Label=Rule Set Name                                                                                                                                                                                                                                |                                                |                          |    |
| SYSLOG             |                    |                                                                                                                                                                                                                                                                                 |                                                |                          |    |
| Format             |                    | Firewall rules compilation failed in partition "\$vnp_name:%s:" - Reason: Out of Memory while compiling rule "\$policy:%s:"                                                                                                                                                     |                                                |                          |    |
| Example            |                    | Firewall rules compilation failed in partition "l3v" - Reason: Out of Memory while compiling rule "rule-set"                                                                                                                                                                    |                                                |                          |    |
| Variable           | Type               | Value                                                                                                                                                                                                                                                                           |                                                | Description              |    |
| vnp_name           | String             | {partition_name}                                                                                                                                                                                                                                                                |                                                | partition name           |    |
| policy             | String             | {rule_set_name}                                                                                                                                                                                                                                                                 |                                                | rule set name            |    |
| fw-compile-success | 626000348204499001 | Both Local and Remote                                                                                                                                                                                                                                                           | Rule Set complile success                      | information              | fw |
| CEF                |                    |                                                                                                                                                                                                                                                                                 |                                                |                          |    |
| Format             |                    | cs1=\$policy:%s: cs1Label=Rule Set name partName=\$vnp_name:%s: cs2=\$time:%s: cs2Label=Rule Set complile complete time                                                                                                                                                         |                                                |                          |    |
| Example            |                    | cs1=rule-set cs1Label=Rule Set name partName=l3v cs2=1900-01-01 00:00:00 cs2Label=Rule Set complile complete time                                                                                                                                                               |                                                |                          |    |
| SYSLOG             |                    |                                                                                                                                                                                                                                                                                 |                                                |                          |    |
| Format             |                    | Rule-set "\$policy:%s:" in partition "\$vnp_name:%s:" successfully compiled at \$time:%s:.                                                                                                                                                                                      |                                                |                          |    |
| Example            |                    | Rule-set "rule-set" in partition "l3v" successfully compiled at 1900-01-01 00:00:00.                                                                                                                                                                                            |                                                |                          |    |
| Variable           | Type               | Value                                                                                                                                                                                                                                                                           |                                                | Description              |    |
| policy             | String             | {rule_set_name}                                                                                                                                                                                                                                                                 |                                                | rule set name            |    |

|                           |                                                     |                                      |                                                 |                       |    |
|---------------------------|-----------------------------------------------------|--------------------------------------|-------------------------------------------------|-----------------------|----|
| vnp_name                  | String                                              | {partition_name}                     |                                                 | partition name        |    |
| time                      | String                                              | {compile_complete_time}              |                                                 | compile complete time |    |
| fw-create-rule-fail       | 626000348204498973                                  | Both Local and Remote                | Create FW rule failed                           | critical              | fw |
| CEF                       |                                                     |                                      |                                                 |                       |    |
| Format                    | msg=\$msg:%s:                                       |                                      |                                                 |                       |    |
| Example                   | msg=Failed to create FW rule.                       |                                      |                                                 |                       |    |
| SYSLOG                    |                                                     |                                      |                                                 |                       |    |
| Format                    | \$msg:%s:                                           |                                      |                                                 |                       |    |
| Example                   | Failed to create FW rule.                           |                                      |                                                 |                       |    |
| Variable                  | Type                                                | Value                                |                                                 | Description           |    |
| msg                       | String                                              | Failed to create FW rule.            |                                                 | failure message       |    |
| fw-ip-helper-fail         | 626000348204498976                                  | Both Local and Remote                | Add rule for IP-helper failed                   | critical              | fw |
| CEF                       |                                                     |                                      |                                                 |                       |    |
| Format                    | msg=\$msg:%s:                                       |                                      |                                                 |                       |    |
| Example                   | msg=add dhcp relay ip-helper rule failed            |                                      |                                                 |                       |    |
| SYSLOG                    |                                                     |                                      |                                                 |                       |    |
| Format                    | \$msg:%s:                                           |                                      |                                                 |                       |    |
| Example                   | add dhcp relay ip-helper rule failed                |                                      |                                                 |                       |    |
| Variable                  | Type                                                | Value                                |                                                 | Description           |    |
| msg                       | String                                              | add dhcp relay ip-helper rule failed |                                                 | failure message       |    |
| fw-rule-by-uid-alloc-fail | 626000348204498980                                  | Both Local and Remote                | Allocate memory for FW rule by uid table failed | critical              | fw |
| CEF                       |                                                     |                                      |                                                 |                       |    |
| Format                    | msg=\$msg:%s:                                       |                                      |                                                 |                       |    |
| Example                   | msg=Failed to allocate memory for rule by uid table |                                      |                                                 |                       |    |
| SYSLOG                    |                                                     |                                      |                                                 |                       |    |

|                        |                                                 |                                                                                                            |                                         |                     |    |
|------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|----|
| Format                 | \$msg:%s:                                       |                                                                                                            |                                         |                     |    |
| Example                | Failed to allocate memory for rule by uid table |                                                                                                            |                                         |                     |    |
| Variable               | Type                                            | Value                                                                                                      |                                         | Description         |    |
| msg                    | String                                          | Failed to allocate memory for rule by uid table                                                            |                                         | error message       |    |
| fw-vcs-pkt-fail        | 626000348204498975                              | Both Local and Remote                                                                                      | Add rule for VCS packets failed         | critical            | fw |
| CEF                    |                                                 |                                                                                                            |                                         |                     |    |
| Format                 | cs1=\$type:%s: cs1Label=VCS Packet Type         |                                                                                                            |                                         |                     |    |
| Example                | cs1=multicast cs1Label=VCS Packet Type          |                                                                                                            |                                         |                     |    |
| SYSLOG                 |                                                 |                                                                                                            |                                         |                     |    |
| Format                 | add vcs \$type:%s: packet rule failed           |                                                                                                            |                                         |                     |    |
| Example                | add vcs multicast packet rule failed            |                                                                                                            |                                         |                     |    |
| Variable               | Type                                            | Value                                                                                                      |                                         | Description         |    |
| type                   | String                                          | multicast<br>unicast                                                                                       |                                         | vcs packet type     |    |
| fw-vrrp-rule-fail      | 626000348204498974                              | Both Local and Remote                                                                                      | Add rule for vrrp-a session sync failed | critical            | fw |
| CEF                    |                                                 |                                                                                                            |                                         |                     |    |
| Format                 | cs1=\$type:%s: cs1Label=VRRP-A Session Type     |                                                                                                            |                                         |                     |    |
| Example                | cs1=vrrp-a session cs1Label=VRRP-A Session Type |                                                                                                            |                                         |                     |    |
| SYSLOG                 |                                                 |                                                                                                            |                                         |                     |    |
| Format                 | Add rule for \$type:%s: sync failed             |                                                                                                            |                                         |                     |    |
| Example                | Add rule for vrrp-a session sync failed         |                                                                                                            |                                         |                     |    |
| Variable               | Type                                            | Value                                                                                                      |                                         | Description         |    |
| type                   | String                                          | vrrp-a session<br>IPv6 vrrp-a session<br>chassis blade vrrp-a session<br>chassis blade IPv6 vrrp-a session |                                         | vrrp-a session type |    |
| gtp-pcre2-compile-fail | 626000348204498979                              | Both Local and                                                                                             | GTP PCRE2 compilation failed            | critical            | fw |

|                |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |              |    |
|----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|----|
|                |                    | Remote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |              |    |
| CEF            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |              |    |
| Format         |                    | cn1=\$offset:%u: cn1Label=Error Offset reason=\$reason:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |              |    |
| Example        |                    | cn1=0 cn1Label=Error Offset reason=missing closing parenthesis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |              |    |
| SYSLOG         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |              |    |
| Format         |                    | GTP PCRE2 compilation failed at offset: \$offset:%u:, error: \$reason:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |              |    |
| Example        |                    | GTP PCRE2 compilation failed at offset: 0, error: missing closing parenthesis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |              |    |
| Variable       | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      | Description  |    |
| offset         | Unsigned Integer   | 0-4294967295                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      | error offset |    |
| reason         | String             | {error_reason}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      | error reason |    |
| session-closed | 626000348204498955 | Remote only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FW session is closed | information  | fw |
| CEF            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |              |    |
| Format         |                    | proto=\$protocol:%s: act=\$action:%s: rt=\$rt:%u: app=\$app_protocol:%s: src=\$src_ip:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address<br>spt=\$src_port:%s: dst=\$dst_ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Dest IPv6 Address dpt=\$dst_port:%s: flexNumber1=\$icmp_type:%s:<br>flexNumber1Label=ICMP Type flexNumber2=\$icmp_code:%s: flexNumber2Label=ICMP Code deviceInboundInterface=\$in_intf:%s:<br>deviceOutboundInterface=\$out_intf:%s: in=\$rev_bytes:%s: out=\$fwd_bytes:%s: cn1=\$fwd_pkts:%s: cn1Label=Packets TX cn2=\$rev_pkts:%s:<br>cn2Label=Packets RX cn3=\$duration:%s: cn3Label=Session Duration Seconds cs1=\$policy:%s: cs1Label=Rule Set Name cs2=\$rule:%s:<br>cs2Label=Rule Name cs3=\$reason:%s: cs3Label=Reason cs4=\$src_zone:%s: cs4Label=Source Zone cs5=\$dst_zone:%s: cs5Label=Dest Zone<br>cs6=\$vnp_name:%s: cs6Label=Partition Name cs7=\$app_category:%s: cs7Label=Application Category cs8=\$src_threat_list:%s: cs8Label=Source<br>Threat List cs9=\$dst_threat_list:%s: cs9Label=Dest Threat List cs10=\$src_threat_category:%s: cs10Label=Source Threat Category<br>cs11=\$dst_threat_category:%s: cs11Label=Dest Threat Category |                      |              |    |
| Example        |                    | proto=OTHER act=PERMIT rt=1 app=http src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=1 dst=2.2.2.2 c6a3=2222::2222<br>c6a3Label=Dest IPv6 Address dpt=1 flexNumber1=0 flexNumber1Label=ICMP Type flexNumber2=0 flexNumber2Label=ICMP Code<br>deviceInboundInterface=ethernet1 deviceOutboundInterface=ethernet2 in=0 out=0 cn1=0 cn1Label=Packets TX cn2=0 cn2Label=Packets RX<br>cn3=1 cn3Label=Session Duration Seconds cs1=rule-set cs1Label=Rule Set Name cs2=rule cs2Label=Rule Name cs3=Idle timeout<br>cs3Label=Reason cs4=any cs4Label=Source Zone cs5=any cs5Label=Dest Zone cs6=l3v cs6Label=Partition Name cs7=social-networks<br>cs7Label=Application Category cs8=threat cs8Label=Source Threat List cs9=threat cs9Label=Dest Threat List cs10=botnets cs10Label=Source<br>Threat Category cs11=botnets cs11Label=Dest Threat Category                                                                                                                                                                                                                                                                                                               |                      |              |    |
| SYSLOG         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |              |    |
| Format         |                    | FW-\$protocol:%s:-H \$tuples:%s: ACT=\$action:%s: RT=\$rt:%u: POLICY=\$policy:%s: RULE=\$rule:%s: \$options:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |              |    |
| Example        |                    | FW-OTHER-H 1.1.1.1:1111 ACT=PERMIT RT=1 POLICY=rule-set RULE=rule IN-INTF=ethernet1 APP-CAT=social-networks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |              |    |
| Variable       | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      | Description  |    |
|                |                    | OTHER<br>TCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |              |    |

|              |                  |                                                             |                          |
|--------------|------------------|-------------------------------------------------------------|--------------------------|
| protocol     | String           | UDP<br>ICMP<br>ICMPv6<br>SCTP<br>GRE<br>ESP<br>IPIP<br>IPv6 | protocol                 |
| action       | String           | PERMIT                                                      | action                   |
| rt           | Unsigned Integer | 1-4294967295                                                | receipt time             |
| app_protocol | String           | {application_protocol}                                      | application protocol     |
| src_ip       | IP V4 Address    | {source_IPv4_address}                                       | source IPv4 address      |
| src_ipv6     | IP V6 Address    | {source_IPv6_address}                                       | source IPv6 address      |
| src_port     | String           | 1-65535                                                     | source port              |
| dst_ip       | IP V4 Address    | {destination_IPv4_address}                                  | destination IPv4 address |
| dst_ipv6     | IP V6 Address    | {destination_IPv6_address}                                  | destination IPv6 address |
| dst_port     | String           | 1-65535                                                     | destination port         |
| icmp_type    | String           | 0-255                                                       | ICMP type                |
| icmp_code    | String           | 0-255                                                       | ICMP code                |
| in_intf      | String           | {inbound_interface}                                         | inbound interface        |
| out_intf     | String           | {outbound_interface}                                        | outbound interface       |
| rev_bytes    | String           | 0-1099511627775                                             | received bytes           |
| fwd_bytes    | String           | 0-1099511627775                                             | transmitted bytes        |
| fwd_pkts     | String           | 0-16777215                                                  | transmitted packets      |
| rev_pkts     | String           | 0-16777215                                                  | received packets         |
| duration     | String           | 1-65535                                                     | session duration seconds |
| policy       | String           | {rule_set_name}                                             | rule set name            |
| rule         | String           | {rule_name}                                                 | rule name                |
| reason       | String           | Idle timeout<br>Admin initiated<br>Client initiated         | reason                   |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |                                   |    |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|-----------------------------------|----|
| Server initiated    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |                                   |    |
| src_zone            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_zone}                       |                      | source zone                       |    |
| dst_zone            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_zone}                  |                      | destination zone                  |    |
| vnp_name            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {partition_name}                    |                      | partition name                    |    |
| app_category        | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {application_category}              |                      | application category              |    |
| src_threat_list     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_threat-list}                |                      | source threat-list                |    |
| dst_threat_list     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_threat-list}           |                      | destination threat-list           |    |
| src_threat_category | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_threat_category}            |                      | source threat category            |    |
| dst_threat_category | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_threat_category}       |                      | destination threat category       |    |
| tuples              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {connection_tuples}                 |                      | connection tuples                 |    |
| options             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {interface_and_application_options} |                      | interface and application options |    |
| session-denied      | 626000348204498956                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Remote only                         | FW session is denied | critical                          | fw |
| CEF                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |                                   |    |
| Format              | proto=\$protocol:%s: act=\$action:%s: rt=\$rt:%u: app=\$app_protocol:%s: src=\$src_ip:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$src_port:%s: dst=\$dst_ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Dest IPv6 Address dpt=\$dst_port:%s: flexNumber1=\$icmp_type:%s: flexNumber1Label=ICMP Type flexNumber2=\$icmp_code:%s: flexNumber2Label=ICMP Code deviceInboundInterface=\$in_intf:%s: deviceOutboundInterface=\$out_intf:%s: cs1=\$policy:%s: cs1Label=Rule Set Name cs2=\$rule:%s: cs2Label=Rule Name cs3=\$reason:%s: cs3Label=Reason cs4=\$src_zone:%s: cs4Label=Source Zone cs5=\$dst_zone:%s: cs5Label=Dest Zone cs6=\$vnp_name:%s: cs6Label=Partition Name cs7=\$app_category:%s: cs7Label=Application Category cs8=\$src_threat_list:%s: cs8Label=Source Threat List cs9=\$dst_threat_list:%s: cs9Label=Dest Threat List cs10=\$src_threat_category:%s: cs10Label=Source Threat Category cs11=\$dst_threat_category:%s: cs11Label=Dest Threat Category |                                     |                      |                                   |    |
| Example             | proto=OTHER act=DENY rt=1 app=http src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=1 dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Dest IPv6 Address dpt=1 flexNumber1=0 flexNumber1Label=ICMP Type flexNumber2=0 flexNumber2Label=ICMP Code deviceInboundInterface=ethernet1 deviceOutboundInterface=ethernet2 cs1=rule-set cs1Label=Rule Set Name cs2=rule cs2Label=Rule Name cs3=deny cs3Label=Reason cs4=any cs4Label=Source Zone cs5=any cs5Label=Dest Zone cs6=l3v cs6Label=Partition Name cs7=social-networks cs7Label=Application Category cs8=threat cs8Label=Source Threat List cs9=threat cs9Label=Dest Threat List cs10=botnets cs10Label=Source Threat Category cs11=botnets cs11Label=Dest Threat Category                                                                                                                                                                                                                                                |                                     |                      |                                   |    |
| SYSLOG              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |                                   |    |
| Format              | FW-\$protocol:%s:-I \$tuples:%s: ACT=\$action:%s: RT=\$rt:%u: POLICY=\$policy:%s: RULE=\$rule:%s: \$options:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |                                   |    |
| Example             | FW-OTHER-I 1.1.1.1:1111 ACT=DENY RT=1 POLICY=rule-set RULE=rule IN-INTF=ethernet1 APP-CAT=social-networks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                      |                                   |    |
| Variable            | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Value                               |                      | Description                       |    |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OTHER<br>TCP                        |                      |                                   |    |



|                 |                  |                                                             |                          |
|-----------------|------------------|-------------------------------------------------------------|--------------------------|
| protocol        | String           | UDP<br>ICMP<br>ICMPv6<br>SCTP<br>GRE<br>ESP<br>IPIP<br>IPv6 | protocol                 |
| action          | String           | DENY                                                        | action                   |
| rt              | Unsigned Integer | 1-4294967295                                                | receipt time             |
| app_protocol    | String           | {application_protocol}                                      | application protocol     |
| src_ip          | IP V4 Address    | {source_IPv4_address}                                       | source IPv4 address      |
| src_ipv6        | IP V6 Address    | {source_IPv6_address}                                       | source IPv6 address      |
| src_port        | String           | 1-65535                                                     | source port              |
| dst_ip          | IP V4 Address    | {destination_IPv4_address}                                  | destination IPv4 address |
| dst_ipv6        | IP V6 Address    | {destination_IPv6_address}                                  | destination IPv6 address |
| dst_port        | String           | 1-65535                                                     | destination port         |
| icmp_type       | String           | 0-255                                                       | ICMP type                |
| icmp_code       | String           | 0-255                                                       | ICMP code                |
| in_intf         | String           | {inbound_interface}                                         | inbound interface        |
| out_intf        | String           | {outbound_interface}                                        | outbound interface       |
| policy          | String           | {rule_set_name}                                             | rule set name            |
| rule            | String           | {rule_name}                                                 | rule name                |
| reason          | String           | deny                                                        | reason                   |
| src_zone        | String           | {source_zone}                                               | source zone              |
| dst_zone        | String           | {destination_zone}                                          | destination zone         |
| vnp_name        | String           | {partition_name}                                            | partition name           |
| app_category    | String           | {application_category}                                      | application category     |
| src_threat_list | String           | {source_threat-list}                                        | source threat-list       |
| dst_threat_list | String           | {destination_threat-list}                                   | destination threat-list  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |                      |                                   |    |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------|-----------------------------------|----|
| src_threat_category | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_threat_category}                                                    |                      | source threat category            |    |
| dst_threat_category | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_threat_category}                                               |                      | destination threat category       |    |
| tuples              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {connection_tuples}                                                         |                      | connection tuples                 |    |
| options             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {interface_and_application_options}                                         |                      | interface and application options |    |
| session-opened      | 626000348204498954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Remote only                                                                 | FW session is opened | information                       | fw |
| CEF                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |                      |                                   |    |
| Format              | proto=\$protocol:%s: act=\$action:%s: rt=\$rt:%u: app=\$app_protocol:%s: src=\$src_ip:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$src_port:%s: dst=\$dst_ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Dest IPv6 Address dpt=\$dst_port:%s: flexNumber1=\$icmp_type:%s: flexNumber1Label=ICMP Type flexNumber2=\$icmp_code:%s: flexNumber2Label=ICMP Code deviceInboundInterface=\$in_intf:%s: deviceOutboundInterface=\$out_intf:%s: cs1=\$policy:%s: cs1Label=Rule Set Name cs2=\$rule:%s: cs2Label=Rule Name cs3=\$reason:%s: cs3Label=Reason cs4=\$src_zone:%s: cs4Label=Source Zone cs5=\$dst_zone:%s: cs5Label=Dest Zone cs6=\$vnp_name:%s: cs6Label=Partition Name cs7=\$app_category:%s: cs7Label=Application Category cs8=\$src_threat_list:%s: cs8Label=Source Threat List cs9=\$dst_threat_list:%s: cs9Label=Dest Threat List cs10=\$src_threat_category:%s: cs10Label=Source Threat Category cs11=\$dst_threat_category:%s: cs11Label=Dest Threat Category |                                                                             |                      |                                   |    |
| Example             | proto=OTHER act=PERMIT rt=1 app=http src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=1 dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Dest IPv6 Address dpt=1 flexNumber1=0 flexNumber1Label=ICMP Type flexNumber2=0 flexNumber2Label=ICMP Code deviceInboundInterface=ethernet1 deviceOutboundInterface=ethernet2 cs1=rule-set cs1Label=Rule Set Name cs2=rule cs2Label=Rule Name cs3=permit cs3Label=Reason cs4=any cs4Label=Source Zone cs5=any cs5Label=Dest Zone cs6=l3v cs6Label=Partition Name cs7=social-networks cs7Label=Application Category cs8=threat cs8Label=Source Threat List cs9=threat cs9Label=Dest Threat List cs10=botnets cs10Label=Source Threat Category cs11=botnets cs11Label=Dest Threat Category                                                                                                                                                                                                                                            |                                                                             |                      |                                   |    |
| SYSLOG              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |                      |                                   |    |
| Format              | FW-\$protocol:%s:-G \$tuples:%s: ACT=\$action:%s: RT=\$rt:%u: POLICY=\$policy:%s: RULE=\$rule:%s: \$options:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |                      |                                   |    |
| Example             | FW-OTHER-G 1.1.1.1:1111 ACT=PERMIT RT=1 POLICY=rule-set RULE=rule IN-INTF=ethernet1 APP-CAT=social-networks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                             |                      |                                   |    |
| Variable            | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Value                                                                       |                      | Description                       |    |
| protocol            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OTHER<br>TCP<br>UDP<br>ICMP<br>ICMPv6<br>SCTP<br>GRE<br>ESP<br>IPIP<br>IPv6 |                      | protocol                          |    |
| action              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PERMIT                                                                      |                      | action                            |    |
| rt                  | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1-4294967295                                                                |                      | receipt time                      |    |

|                     |                    |                                     |                                   |          |    |
|---------------------|--------------------|-------------------------------------|-----------------------------------|----------|----|
| app_protocol        | String             | {application_protocol}              | application protocol              |          |    |
| src_ip              | IP V4 Address      | {source_IPv4_address}               | source IPv4 address               |          |    |
| src_ipv6            | IP V6 Address      | {source_IPv6_address}               | source IPv6 address               |          |    |
| src_port            | String             | 1-65535                             | source port                       |          |    |
| dst_ip              | IP V4 Address      | {destination_IPv4_address}          | destination IPv4 address          |          |    |
| dst_ipv6            | IP V6 Address      | {destination_IPv6_address}          | destination IPv6 address          |          |    |
| dst_port            | String             | 1-65535                             | destination port                  |          |    |
| icmp_type           | String             | 0-255                               | ICMP type                         |          |    |
| icmp_code           | String             | 0-255                               | ICMP code                         |          |    |
| in_intf             | String             | {inbound_interface}                 | inbound interface                 |          |    |
| out_intf            | String             | {outbound_interface}                | outbound interface                |          |    |
| policy              | String             | {rule_set_name}                     | rule set name                     |          |    |
| rule                | String             | {rule_name}                         | rule name                         |          |    |
| reason              | String             | permit                              | reason                            |          |    |
| src_zone            | String             | {source_zone}                       | source zone                       |          |    |
| dst_zone            | String             | {destination_zone}                  | destination zone                  |          |    |
| vnp_name            | String             | {partition_name}                    | partition name                    |          |    |
| app_category        | String             | {application_category}              | application category              |          |    |
| src_threat_list     | String             | {source_threat-list}                | source threat-list                |          |    |
| dst_threat_list     | String             | {destination_threat-list}           | destination threat-list           |          |    |
| src_threat_category | String             | {source_threat_category}            | source threat category            |          |    |
| dst_threat_category | String             | {destination_threat_category}       | destination threat category       |          |    |
| tuples              | String             | {connection_tuples}                 | connection tuples                 |          |    |
| options             | String             | {interface_and_application_options} | interface and application options |          |    |
| session-reset       | 626000348204498957 | Remote only                         | FW session is reset               | critical | fw |
| CEF                 |                    |                                     |                                   |          |    |

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |                          |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------|
| Format       | proto=\$protocol:%s: act=\$action:%s: rt=\$rt:%u: app=\$app_protocol:%s: src=\$src_ip:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$src_port:%s: dst=\$dst_ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Dest IPv6 Address dpt=\$dst_port:%s: flexNumber1=\$icmp_type:%s: flexNumber1Label=ICMP Type flexNumber2=\$icmp_code:%s: flexNumber2Label=ICMP Code deviceInboundInterface=\$in_intf:%s: deviceOutboundInterface=\$out_intf:%s: cs1=\$policy:%s: cs1Label=Rule Set Name cs2=\$rule:%s: cs2Label=Rule Name cs3=\$reason:%s: cs3Label=Reason cs4=\$src_zone:%s: cs4Label=Source Zone cs5=\$dst_zone:%s: cs5Label=Dest Zone cs6=\$vnp_name:%s: cs6Label=Partition Name cs7=\$app_category:%s: cs7Label=Application Category cs8=\$src_threat_list:%s: cs8Label=Source Threat List cs9=\$dst_threat_list:%s: cs9Label=Dest Threat List cs10=\$src_threat_category:%s: cs10Label=Source Threat Category cs11=\$dst_threat_category:%s: cs11Label=Dest Threat Category |                                                                             |                          |
| Example      | proto=OTHER act=RESET rt=1 app=http src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=1 dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Dest IPv6 Address dpt=1 flexNumber1=0 flexNumber1Label=ICMP Type flexNumber2=0 flexNumber2Label=ICMP Code deviceInboundInterface=ethernet1 deviceOutboundInterface=ethernet2 cs1=rule-set cs1Label=Rule Set Name cs2=rule cs2Label=Rule Name cs3=reset cs3Label=Reason cs4=any cs4Label=Source Zone cs5=any cs5Label=Dest Zone cs6=l3v cs6Label=Partition Name cs7=social-networks cs7Label=Application Category cs8=threat cs8Label=Source Threat List cs9=threat cs9Label=Dest Threat List cs10=botnets cs10Label=Source Threat Category cs11=botnets cs11Label=Dest Threat Category                                                                                                                                                                                                                                              |                                                                             |                          |
| SYSLOG       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                             |                          |
| Format       | FW-\$protocol:%s:-J \$stuples:%s: ACT=\$action:%s: RT=\$rt:%u: POLICY=\$policy:%s: RULE=\$rule:%s: \$options:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |                          |
| Example      | FW-OTHER-J 1.1.1.1:1111 ACT=RESET RT=1 POLICY=rule-set RULE=rule IN-INTF=ethernet1 APP-CAT=social-networks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                             |                          |
| Variable     | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Value                                                                       | Description              |
| protocol     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OTHER<br>TCP<br>UDP<br>ICMP<br>ICMPv6<br>SCTP<br>GRE<br>ESP<br>IPIP<br>IPv6 | protocol                 |
| action       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RESET                                                                       | action                   |
| rt           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1-4294967295                                                                | receipt time             |
| app_protocol | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {application_protocol}                                                      | application protocol     |
| src_ip       | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {source_IPv4_address}                                                       | source IPv4 address      |
| src_ipv6     | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {source_IPv6_address}                                                       | source IPv6 address      |
| src_port     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1-65535                                                                     | source port              |
| dst_ip       | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {destination_IPv4_address}                                                  | destination IPv4 address |
| dst_ipv6     | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {destination_IPv6_address}                                                  | destination IPv6 address |
| dst_port     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1-65535                                                                     | destination port         |

|                     |                                                        |                                     |                                 |                                   |    |
|---------------------|--------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----|
| icmp_type           | String                                                 | 0-255                               |                                 | ICMP type                         |    |
| icmp_code           | String                                                 | 0-255                               |                                 | ICMP code                         |    |
| in_intf             | String                                                 | {inbound_interface}                 |                                 | inbound interface                 |    |
| out_intf            | String                                                 | {outbound_interface}                |                                 | outbound interface                |    |
| policy              | String                                                 | {rule_set_name}                     |                                 | rule set name                     |    |
| rule                | String                                                 | {rule_name}                         |                                 | rule name                         |    |
| reason              | String                                                 | reset                               |                                 | reason                            |    |
| src_zone            | String                                                 | {source_zone}                       |                                 | source zone                       |    |
| dst_zone            | String                                                 | {destination_zone}                  |                                 | destination zone                  |    |
| vnv_name            | String                                                 | {partition_name}                    |                                 | partition name                    |    |
| app_category        | String                                                 | {application_category}              |                                 | application category              |    |
| src_threat_list     | String                                                 | {source_threat-list}                |                                 | source threat-list                |    |
| dst_threat_list     | String                                                 | {destination_threat-list}           |                                 | destination threat-list           |    |
| src_threat_category | String                                                 | {source_threat_category}            |                                 | source threat category            |    |
| dst_threat_category | String                                                 | {destination_threat_category}       |                                 | destination threat category       |    |
| tuples              | String                                                 | {connection_tuples}                 |                                 | connection tuples                 |    |
| options             | String                                                 | {interface_and_application_options} |                                 | interface and application options |    |
| zone-alloc-fail     | 626000348204498978                                     | Both Local and Remote               | Allocate memory for zone failed | critical                          | fw |
| CEF                 |                                                        |                                     |                                 |                                   |    |
| Format              | cs1=\$type:%s: cs1Label=Network Type                   |                                     |                                 |                                   |    |
| Example             | cs1=interface cs1Label=Network Type                    |                                     |                                 |                                   |    |
| SYSLOG              |                                                        |                                     |                                 |                                   |    |
| Format              | Failed to allocate memory for \$type:%s: to zone table |                                     |                                 |                                   |    |
| Example             | Failed to allocate memory for interface to zone table  |                                     |                                 |                                   |    |
| Variable            | Type                                                   | Value                               |                                 | Description                       |    |

|                      |                                                                              |                                               |                                          |                 |                    |
|----------------------|------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|-----------------|--------------------|
| type                 | String                                                                       | interface<br>vlan                             | network type                             |                 |                    |
| zone-create-exceed   | 626000348204498999                                                           | Both Local and Remote                         | Reached max zone limit                   | warning         | fw                 |
| CEF                  |                                                                              |                                               |                                          |                 |                    |
| Format               | msg=\$msg:%s:                                                                |                                               |                                          |                 |                    |
| Example              | msg=reached number of zones limit. Can't add more                            |                                               |                                          |                 |                    |
| SYSLOG               |                                                                              |                                               |                                          |                 |                    |
| Format               | \$msg:%s:                                                                    |                                               |                                          |                 |                    |
| Example              | reached number of zones limit. Can't add more                                |                                               |                                          |                 |                    |
| Variable             | Type                                                                         | Value                                         |                                          | Description     |                    |
| msg                  | String                                                                       | reached number of zones limit. Can't add more |                                          | failure message |                    |
| zone-del-not-found   | 626000348204499000                                                           | Both Local and Remote                         | Delete failed because zone not found     | warning         | fw                 |
| CEF                  |                                                                              |                                               |                                          |                 |                    |
| Format               | msg=\$msg:%s:                                                                |                                               |                                          |                 |                    |
| Example              | msg=delete failed because zone not found                                     |                                               |                                          |                 |                    |
| SYSLOG               |                                                                              |                                               |                                          |                 |                    |
| Format               | \$msg:%s:                                                                    |                                               |                                          |                 |                    |
| Example              | delete failed because zone not found                                         |                                               |                                          |                 |                    |
| Variable             | Type                                                                         | Value                                         |                                          | Description     |                    |
| msg                  | String                                                                       | delete failed because zone not found          |                                          | failure message |                    |
| fw-ip-l3-entry-added | 626545705971875841                                                           | Both Local and Remote                         | FW DDoS protection added L3 entry - IPv4 | warning         | fw.ddos-protection |
| SYSLOG               |                                                                              |                                               |                                          |                 |                    |
| Format               | FW DDoS protection entry added - IP \$ip:%s/\$prefix:%u: and Rule \$rule:%s: |                                               |                                          |                 |                    |
| Example              | FW DDoS protection entry added - IP 1.1.1.1/32 and Rule rule                 |                                               |                                          |                 |                    |
| Variable             | Type                                                                         | Value                                         |                                          | Description     |                    |

| ip                       | IP V4 Address                                                                     | {ip_address}          | ip address                                 |             |                    |
|--------------------------|-----------------------------------------------------------------------------------|-----------------------|--------------------------------------------|-------------|--------------------|
| prefix                   | Unsigned Integer                                                                  | {prefix_len}          | prefix len                                 |             |                    |
| rule                     | String                                                                            | {rule_name}           | rule name                                  |             |                    |
| fw-ip-l3-entry-removed   | 626545705971875842                                                                | Both Local and Remote | FW DDoS protection removed L3 entry - IPv4 | warning     | fw.ddos-protection |
| <b>SYSLOG</b>            |                                                                                   |                       |                                            |             |                    |
| Format                   | FW DDoS protection entry removed - IP \$ip:%s:/\$prefix:%u: and Rule \$rule:%s:   |                       |                                            |             |                    |
| Example                  | FW DDoS protection entry removed - IP 1.1.1.1/32 and Rule rule                    |                       |                                            |             |                    |
| Variable                 | Type                                                                              | Value                 |                                            | Description |                    |
| ip                       | IP V4 Address                                                                     | {ip_address}          |                                            | ip address  |                    |
| prefix                   | Unsigned Integer                                                                  | {prefix_len}          |                                            | prefix len  |                    |
| rule                     | String                                                                            | {rule_name}           |                                            | rule name   |                    |
| fw-ipv6-l3-entry-added   | 626545705971875843                                                                | Both Local and Remote | FW DDoS protection added L3 entry - IPv6   | warning     | fw.ddos-protection |
| <b>SYSLOG</b>            |                                                                                   |                       |                                            |             |                    |
| Format                   | FW DDoS protection entry added - IP \$ipv6:%s:/\$prefix:%u: and Rule \$rule:%s:   |                       |                                            |             |                    |
| Example                  | FW DDoS protection entry added - IP 1::1/128 and Rule rule                        |                       |                                            |             |                    |
| Variable                 | Type                                                                              | Value                 |                                            | Description |                    |
| ipv6                     | IP V6 Address                                                                     | {{ipv6}}              |                                            | {ipv6}      |                    |
| prefix                   | Unsigned Integer                                                                  | {prefix_len}          |                                            | prefix len  |                    |
| rule                     | String                                                                            | {rule_name}           |                                            | rule name   |                    |
| fw-ipv6-l3-entry-removed | 626545705971875844                                                                | Both Local and Remote | FW DDoS protection removed L3 entry - IPv6 | warning     | fw.ddos-protection |
| <b>SYSLOG</b>            |                                                                                   |                       |                                            |             |                    |
| Format                   | FW DDoS protection entry removed - IP \$ipv6:%s:/\$prefix:%u: and Rule \$rule:%s: |                       |                                            |             |                    |
| Example                  | FW DDoS protection entry removed - IP 1::1/128 and Rule rule                      |                       |                                            |             |                    |
| Variable                 | Type                                                                              | Value                 |                                            | Description |                    |
| ipv6                     | IP V6 Address                                                                     | {{ipv6}}              |                                            | {ipv6}      |                    |

|                 |                                                              |                       |                                   |                    |                   |
|-----------------|--------------------------------------------------------------|-----------------------|-----------------------------------|--------------------|-------------------|
| prefix          | Unsigned Integer                                             | {prefix_len}          | prefix len                        |                    |                   |
| rule            | String                                                       | {rule_name}           | rule name                         |                    |                   |
| syn-cookie      | 626335424373063681                                           | Both Local and Remote | Enable/Disable FW SYN Cookie Logs | notification       | fw.tcp.syn-cookie |
| <b>SYSLOG</b>   |                                                              |                       |                                   |                    |                   |
| Format          | FW SYN Cookie is \$act:%s:                                   |                       |                                   |                    |                   |
| Example         | FW SYN Cookie is enabled                                     |                       |                                   |                    |                   |
| <b>Variable</b> | <b>Type</b>                                                  | <b>Value</b>          |                                   | <b>Description</b> |                   |
| act             | String                                                       | enabled<br>disabled   |                                   | action             |                   |
| del             | 418834765345456130                                           | Both Local and Remote | Deleting GLM license              | notification       | glm               |
| <b>SYSLOG</b>   |                                                              |                       |                                   |                    |                   |
| Format          | Deleting GLM license                                         |                       |                                   |                    |                   |
| disable         | 418834765345456131                                           | Both Local and Remote | disable GLM connect               | notification       | glm               |
| <b>SYSLOG</b>   |                                                              |                       |                                   |                    |                   |
| Format          | GLM connect disabled                                         |                       |                                   |                    |                   |
| notif           | 418834765345456129                                           | Both Local and Remote | Setting GLM info                  | notification       | glm               |
| <b>SYSLOG</b>   |                                                              |                       |                                   |                    |                   |
| Format          | Setting GLM ping interval to \$notice:%d: hours              |                       |                                   |                    |                   |
| Example         | Setting GLM ping interval to 6 hours                         |                       |                                   |                    |                   |
| <b>Variable</b> | <b>Type</b>                                                  | <b>Value</b>          |                                   | <b>Description</b> |                   |
| notice          | Integer                                                      | {time}                |                                   | time               |                   |
| msg_dns_error   | 535981132215222277                                           | Both Local and Remote | GSLB parse fail                   | information        | gslb.dns          |
| <b>CEF</b>      |                                                              |                       |                                   |                    |                   |
| Format          | dst=\$srv:%s: src=\$usr:%s: cs1=\$reason:%s: cs1Label=reason |                       |                                   |                    |                   |



|                  |                                                                                                                                                             |                       |                          |              |          |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|--------------|----------|
| Example          | dst=1.1.1.1 src=5.5.5.5 cs1=Error Format cs1Label=reason                                                                                                    |                       |                          |              |          |
| SYSLOG           |                                                                                                                                                             |                       |                          |              |          |
| Format           | Parse Error: \$srv:%s: \$usr:%s: \$reason:%s:                                                                                                               |                       |                          |              |          |
| Example          | Parse Error: 1.1.1.1 5.5.5.5 Error Format                                                                                                                   |                       |                          |              |          |
| Variable         | Type                                                                                                                                                        | Value                 |                          | Description  |          |
| srv              | IP V4 Address                                                                                                                                               | {Server_IP}           |                          | Server IP    |          |
| usr              | IP V4 Address                                                                                                                                               | {User_IP}             |                          | User IP      |          |
| reason           | String                                                                                                                                                      | {error_string}        |                          | error string |          |
| msg_dns_error_v6 | 535981132215222278                                                                                                                                          | Both Local and Remote | GSLB parse fail          | information  | gslb.dns |
| CEF              |                                                                                                                                                             |                       |                          |              |          |
| Format           | c6a1=\$srv_ipv6:%s: c6a1Label=Server IPv6 Address c6a2=\$usr_ipv6:%s: c6a2Label=User IPv6 Address cs1=\$reason:%s: cs1Label=reason                          |                       |                          |              |          |
| Example          | c6a1=2001:ABCD::7 c6a1Label=Server IPv6 Address c6a2=2001:ABCD::7 c6a2Label=User IPv6 Address cs1=Error Format cs1Label=reason                              |                       |                          |              |          |
| SYSLOG           |                                                                                                                                                             |                       |                          |              |          |
| Format           | Parse Error \$srv_ipv6:%s: \$usr_ipv6:%s: \$reason:%s:                                                                                                      |                       |                          |              |          |
| Example          | Parse Error 2001:ABCD::7 2001:ABCD::7 Error Format                                                                                                          |                       |                          |              |          |
| Variable         | Type                                                                                                                                                        | Value                 |                          | Description  |          |
| srv_ipv6         | IP V6 Address                                                                                                                                               | {server_IPv6}         |                          | server IPv6  |          |
| usr_ipv6         | IP V6 Address                                                                                                                                               | {User_IPv6}           |                          | User IPv6    |          |
| reason           | String                                                                                                                                                      | {error_string}        |                          | error string |          |
| msg_dns_query    | 535981132215222273                                                                                                                                          | Both Local and Remote | GSLB receive a dns query | information  | gslb.dns |
| CEF              |                                                                                                                                                             |                       |                          |              |          |
| Format           | dst=\$srv:%s: src=\$usr:%s: cs1=\$domain_name:%s: cs1Label=domain name cs2=\$query_type:%s: cs2Label=dns query type cn1=\$dns_id:%u: cn1Label=dns header id |                       |                          |              |          |
| Example          | dst=1.1.1.1 src=5.5.5.5 cs1=a10networks.com cs1Label=domain name cs2=A cs2Label=dns query type cn1=1337 cn1Label=dns header id                              |                       |                          |              |          |
| SYSLOG           |                                                                                                                                                             |                       |                          |              |          |
| Format           | QUERY Fwd \$srv:%s: \$usr:%s: \$domain_name:%s: \$query_type:%s: \$dns_id:%u:                                                                               |                       |                          |              |          |

| Example          |                                                                                                                                                                                                                                                                                                                                                                               | QUERY Fwd 1.1.1.1 5.5.5.5 a10networks.com A 1337 |                               |                |          |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|----------------|----------|
| Variable         | Type                                                                                                                                                                                                                                                                                                                                                                          | Value                                            |                               | Description    |          |
| srv              | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                 | {Server_IP}                                      |                               | Server IP      |          |
| usr              | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                 | {User_IP}                                        |                               | User IP        |          |
| domain_name      | String                                                                                                                                                                                                                                                                                                                                                                        | {domain_name}                                    |                               | domain name    |          |
| query_type       | String                                                                                                                                                                                                                                                                                                                                                                        | {dns_query_type}                                 |                               | dns query type |          |
| dns_id           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                              | {dns_header_ID}                                  |                               | dns header ID  |          |
| msg_dns_query_v6 | 535981132215222275                                                                                                                                                                                                                                                                                                                                                            | Both Local and Remote                            | GSLB receive a ipv6 dns query | information    | gslb.dns |
| CEF              |                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                               |                |          |
| Format           | c6a1=\$srv_ipv6:%s: c6a1Label=Server IPv6 Address c6a2=\$usr_ipv6:%s: c6a2Label=User IPv6 Address cs1=\$domain_name:%s: cs1Label=domain name cs2=\$query_type:%s: cs2Label=dns query type cn1=\$dns_id:%u: cn1Label=dns header id                                                                                                                                             |                                                  |                               |                |          |
| Example          | c6a1=2001:ABCD::7 c6a1Label=Server IPv6 Address c6a2=2001:ABCD::7 c6a2Label=User IPv6 Address cs1=a10networks.com cs1Label=domain name cs2=AAAA cs2Label=dns query type cn1=1337 cn1Label=dns header id                                                                                                                                                                       |                                                  |                               |                |          |
| SYSLOG           |                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                               |                |          |
| Format           | QUERY Fwd \$srv_ipv6:%s: \$usr_ipv6:%s: \$domain_name:%s: \$query_type:%s: \$dns_id:%u:                                                                                                                                                                                                                                                                                       |                                                  |                               |                |          |
| Example          | QUERY Fwd 2001:ABCD::7 2001:ABCD::7 a10networks.com AAAA 1337                                                                                                                                                                                                                                                                                                                 |                                                  |                               |                |          |
| Variable         | Type                                                                                                                                                                                                                                                                                                                                                                          | Value                                            |                               | Description    |          |
| srv_ipv6         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                 | {server_IPv6}                                    |                               | server IPv6    |          |
| usr_ipv6         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                 | {User_IPv6}                                      |                               | User IPv6      |          |
| domain_name      | String                                                                                                                                                                                                                                                                                                                                                                        | {domain_name}                                    |                               | domain name    |          |
| query_type       | String                                                                                                                                                                                                                                                                                                                                                                        | {dns_query_type}                                 |                               | dns query type |          |
| dns_id           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                              | {dns_header_ID}                                  |                               | dns header ID  |          |
| msg_dns_response | 535981132215222274                                                                                                                                                                                                                                                                                                                                                            | Both Local and Remote                            | GSLB receive a dns response   | information    | gslb.dns |
| CEF              |                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                               |                |          |
| Format           | cs1=\$mode:%s: cs1Label=GSLB Mode src=\$src_v4:%s: dst=\$dest_v4:%s: cs2=\$domain_name:%s: cs2Label=Domain name cs3=\$dns_type:%s: cs3Label=dns type cn1=\$dns_id:%u: cn1Label=dns header id cn2=\$gslb_rcode:%u: cn2Label=gslb rcode cn3=\$dns_rcode:%u: cn3Label=dns rcode cn4=\$record_count:%u: cn4Label=resource record count cs4=\$record_list:%s: cs4Label=record list |                                                  |                               |                |          |

| Example             | cs1=Fwd cs1Label=GSLB Mode src=5.5.5.5 dst=1.1.1.1 cs2=a10networks.com cs2Label=Domain name cs3=AAAA cs3Label=dns type cn1=1337 cn1Label=dns header id cn2=3 cn2Label=gsلب rcode cn3=0 cn3Label=dns rcode cn4=2 cn4Label=resource record count cs4=[A,1,86400,4,11.0.1.11] [A,1,86400,4,10.0.1.11] cs4Label=record list                                                                                                                          |                         |                                  |                       |          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------|-----------------------|----------|
| SYSLOG              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                                  |                       |          |
| Format              | RESP \$mode:%s: \$src:%s: \$dst:%s: \$domain_name:%s: \$dns_type:%s: \$dns_id:%u: \$gsلب_rcode:%u: \$dns_rcode:%u: \$record_count:%u: \$record_list:%s:                                                                                                                                                                                                                                                                                          |                         |                                  |                       |          |
| Example             | RESP Fwd 5.5.5.5 1.1.1.1 a10networks.com AAAA 1337 3 0 2 [A,1,86400,4,11.0.1.11] [A,1,86400,4,10.0.1.11]                                                                                                                                                                                                                                                                                                                                         |                         |                                  |                       |          |
| Variable            | Type                                                                                                                                                                                                                                                                                                                                                                                                                                             | Value                   |                                  | Description           |          |
| mode                | String                                                                                                                                                                                                                                                                                                                                                                                                                                           | {gsلب_mode}             |                                  | gsلب mode             |          |
| src_v4              | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                    | {Server_IP}             |                                  | Server IP             |          |
| dest_v4             | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                    | {user_IP}               |                                  | user IP               |          |
| domain_name         | String                                                                                                                                                                                                                                                                                                                                                                                                                                           | {domain_name}           |                                  | domain name           |          |
| dns_type            | String                                                                                                                                                                                                                                                                                                                                                                                                                                           | {dns_type}              |                                  | dns type              |          |
| dns_id              | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                 | {dns_header_ID}         |                                  | dns header ID         |          |
| gsلب_rcode          | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                 | {gsلب_rcode}            |                                  | gsلب rcode            |          |
| dns_rcode           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                 | {dns_rcode}             |                                  | dns rcode             |          |
| record_count        | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                 | {resource_record_count} |                                  | resource record count |          |
| record_list         | String                                                                                                                                                                                                                                                                                                                                                                                                                                           | {record_list}           |                                  | record list           |          |
| src                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                    | {Server_IP}             |                                  | Server IP             |          |
| dst                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                    | {user_IP}               |                                  | user IP               |          |
| msg_dns_response_v6 | 535981132215222276                                                                                                                                                                                                                                                                                                                                                                                                                               | Both Local and Remote   | GSLB receive a ipv6 dns response | information           | gsلب.dns |
| CEF                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                                  |                       |          |
| Format              | cs1=\$mode:%s: cs1Label=GSLB Mode c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address cs2=\$domain_name:%s: cs2Label=Domain name cs3=\$dns_type:%s: cs3Label=dns type cn1=\$dns_id:%u: cn1Label=dns header id cn2=\$gsلب_rcode:%u: cn2Label=gsلب rcode cn3=\$dns_rcode:%u: cn3Label=dns rcode cn4=\$record_count:%u: cn4Label=resource record count cs4=\$record_list:%s: cs4Label=record list |                         |                                  |                       |          |
| Example             | cs1=Fwd cs1Label=GSLB Mode c6a2=1::1 c6a2Label=Source IPv6 Address c6a3=1::1 c6a3Label=Destination IPv6 Address cs2=a10networks.com cs2Label=Domain name cs3=AAAA cs3Label=dns type cn1=1337 cn1Label=dns header id cn2=3 cn2Label=gsلب rcode cn3=0 cn3Label=dns rcode cn4=2 cn4Label=resource record count cs4=[AAAA,1,86400,4,11::11] [AAAA,1,86400,4,10::11] cs4Label=record list                                                             |                         |                                  |                       |          |
| SYSLOG              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                                  |                       |          |

| Format       |                    | RESP \$mode:%s: \$src:%s: \$dst:%s: \$domain_name:%s: \$dns_type:%s: \$dns_id:%u: \$gslb_rcode:%u: \$dns_rcode:%u: \$record_count:%u: \$record_list:%s: |                                                   |                       |                 |
|--------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------|-----------------|
| Example      |                    | RESP Fwd 1::1 1::1 a10networks.com AAAA 1337 3 0 2 [AAAA,1,86400,4,11::11] [AAAA,1,86400,4,10::11]                                                      |                                                   |                       |                 |
| Variable     | Type               | Value                                                                                                                                                   |                                                   | Description           |                 |
| mode         | String             | {gslb_mode}                                                                                                                                             |                                                   | gslb mode             |                 |
| src          | IP V6 Address      | {Server_IP}                                                                                                                                             |                                                   | Server IP             |                 |
| dst          | IP V6 Address      | {user_IP}                                                                                                                                               |                                                   | user IP               |                 |
| domain_name  | String             | {domain_name}                                                                                                                                           |                                                   | domain name           |                 |
| dns_type     | String             | {dns_type}                                                                                                                                              |                                                   | dns type              |                 |
| dns_id       | Unsigned Integer   | {dns_header_ID}                                                                                                                                         |                                                   | dns header ID         |                 |
| gslb_rcode   | Unsigned Integer   | {gslb_rcode}                                                                                                                                            |                                                   | gslb rcode            |                 |
| dns_rcode    | Unsigned Integer   | {dns_rcode}                                                                                                                                             |                                                   | dns rcode             |                 |
| record_count | Unsigned Integer   | {resource_record_count}                                                                                                                                 |                                                   | resource record count |                 |
| record_list  | String             | {record_list}                                                                                                                                           |                                                   | record list           |                 |
| src_v6       | IP V6 Address      | {Server_IP}                                                                                                                                             |                                                   | Server IP             |                 |
| dest_v6      | IP V6 Address      | {user_IP}                                                                                                                                               |                                                   | user IP               |                 |
| msg_action   | 535998724401266691 | Both Local and Remote                                                                                                                                   | Action on GSLB object, either enabled or disabled | information           | gslb.service-ip |
| CEF          |                    |                                                                                                                                                         |                                                   |                       |                 |
| Format       |                    | cs1=\$msg_action:%s: cs1Label=GSLB Object cs2=\$event_value:%s: cs2Label=Value                                                                          |                                                   |                       |                 |
| Example      |                    | cs1=GSLB - Site cs1Label=GSLB Object cs2=disabled cs2Label=Value                                                                                        |                                                   |                       |                 |
| SYSLOG       |                    |                                                                                                                                                         |                                                   |                       |                 |
| Format       |                    | \$msg_action:%s: is \$event_value:%s:.                                                                                                                  |                                                   |                       |                 |
| Example      |                    | GSLB - Site is disabled.                                                                                                                                |                                                   |                       |                 |
| Variable     | Type               | Value                                                                                                                                                   |                                                   | Description           |                 |
| msg_action   | String             | {gslb_object}                                                                                                                                           |                                                   | gslb object           |                 |
| event_value  | String             | disabled<br>enabled                                                                                                                                     |                                                   | action                |                 |

|                  |                                                                                                                                                                                                                        |                                                            |                                       |                     |                 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------|-----------------|
| msg_hc           | 535998724401266690                                                                                                                                                                                                     | Both Local and Remote                                      | gslb health check info                | information         | gslb.service-ip |
| CEF              |                                                                                                                                                                                                                        |                                                            |                                       |                     |                 |
| Format           | cs1=\$srvr_name:%s: cs1Label=GSLB server node name cs2=\$service_ip:%s: cs2Label=Service IP cs3=\$service_ip6:%s: cs3Label=Service IPv6<br>cn1=\$port:%u: cn1Label=port cs4=\$hc_type:%s: cs4Label=Health Check method |                                                            |                                       |                     |                 |
| Example          | cs1=server1 cs1Label=GSLB server node name cs2=10.10.10.10 cs2Label=Service IP cs3=2001:ABCD::7 cs3Label=Service IPv6 cn1=1234<br>cn1Label=port cs4=HMon cs4Label=Health Check method                                  |                                                            |                                       |                     |                 |
| SYSLOG           |                                                                                                                                                                                                                        |                                                            |                                       |                     |                 |
| Format           | Server Name: \$srvr_name:%s: Service IP: \$service_ip:%s: \$service_ip6:%s: Port: \$port:%u: Health Check Method: \$hc_type:%s:                                                                                        |                                                            |                                       |                     |                 |
| Example          | Server Name: server1 Service IP: 10.10.10.10 2001:ABCD::7 Port: 1234 Health Check Method: HMon                                                                                                                         |                                                            |                                       |                     |                 |
| Variable         | Type                                                                                                                                                                                                                   | Value                                                      |                                       | Description         |                 |
| srvr_name        | String                                                                                                                                                                                                                 | {server_name}                                              |                                       | server name         |                 |
| service_ip       | IP V4 Address                                                                                                                                                                                                          | {IP_address}                                               |                                       | IP address          |                 |
| service_ip6      | IP V6 Address                                                                                                                                                                                                          | {IPv6_address}                                             |                                       | IPv6 address        |                 |
| port             | Unsigned Integer                                                                                                                                                                                                       | {Port}                                                     |                                       | Port                |                 |
| hc_type          | String                                                                                                                                                                                                                 | HMon<br>Protocol                                           |                                       | health check method |                 |
| msg_noparam_info | 535998724401266689                                                                                                                                                                                                     | Both Local and Remote                                      | gslb service-ip config limit exceeded | information         | gslb.service-ip |
| CEF              |                                                                                                                                                                                                                        |                                                            |                                       |                     |                 |
| Format           | cs1=\$msg_noparam_info:%s: cs1Label=GSLB Service IP Limit                                                                                                                                                              |                                                            |                                       |                     |                 |
| Example          | cs1=Number of GSLB service ips exceeds the system or L3v limit cs1Label=GSLB Service IP Limit                                                                                                                          |                                                            |                                       |                     |                 |
| SYSLOG           |                                                                                                                                                                                                                        |                                                            |                                       |                     |                 |
| Format           | \$msg_noparam_info:%s:                                                                                                                                                                                                 |                                                            |                                       |                     |                 |
| Example          | Number of GSLB service ips exceeds the system or L3v limit                                                                                                                                                             |                                                            |                                       |                     |                 |
| Variable         | Type                                                                                                                                                                                                                   | Value                                                      |                                       | Description         |                 |
| msg_noparam_info | String                                                                                                                                                                                                                 | Number of GSLB service ips exceeds the system or L3v limit |                                       | Failure reason      |                 |
| msg_state_change | 535998724401266692                                                                                                                                                                                                     | Both Local and                                             | GSLB object status is changed         | information         | gslb.service-ip |

|                         |                    |                                                                                                                               |                                |                |                      |
|-------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|----------------------|
|                         |                    | Remote                                                                                                                        |                                |                |                      |
| CEF                     |                    |                                                                                                                               |                                |                |                      |
| Format                  |                    | cs1=\$msg_state_change:%s: cs1Label=GSLB Object cs2=\$old_state:%s: cs2Label=Old Value cs3=\$new_state:%s: cs3Label=New Value |                                |                |                      |
| Example                 |                    | cs1=GSLB - Site cs1Label=GSLB Object cs2=Down cs2Label=Old Value cs3=Up cs3Label=New Value                                    |                                |                |                      |
| SYSLOG                  |                    |                                                                                                                               |                                |                |                      |
| Format                  |                    | \$msg_state_change:%s: changes state from \$old_state:%s: to \$new_state:%s:                                                  |                                |                |                      |
| Example                 |                    | GSLB - Site changes state from Down to Up                                                                                     |                                |                |                      |
| Variable                | Type               | Value                                                                                                                         |                                | Description    |                      |
| msg_state_change        | String             | {gslb_object}                                                                                                                 |                                | gslb object    |                      |
| old_state               | String             | {previous_state}                                                                                                              |                                | previous state |                      |
| new_state               | String             | {current_state}                                                                                                               |                                | current state  |                      |
| slb_device_state_change | 535998724401266693 | Both Local and Remote                                                                                                         | GSLB object status is changed  | information    | gslb.service-ip      |
| CEF                     |                    |                                                                                                                               |                                |                |                      |
| Format                  |                    | cs1=\$gslb_obj:%s: cs1Label=GSLB Object cs2=\$old_state:%s: cs2Label=Old Value cs3=\$new_state:%s: cs3Label=New Value         |                                |                |                      |
| Example                 |                    | cs1=GSLB Site:SLB Device:Service-IP cs1Label=GSLB Object cs2=Down cs2Label=Old Value cs3=Up cs3Label=New Value                |                                |                |                      |
| SYSLOG                  |                    |                                                                                                                               |                                |                |                      |
| Format                  |                    | \$gslb_obj:%s: changes state from \$old_state:%s: to \$new_state:%s:                                                          |                                |                |                      |
| Example                 |                    | GSLB Site:SLB Device:Service-IP changes state from Down to Up                                                                 |                                |                |                      |
| Variable                | Type               | Value                                                                                                                         |                                | Description    |                      |
| gslb_obj                | String             | {gslb_object}                                                                                                                 |                                | gslb object    |                      |
| old_state               | String             | {previous_state}                                                                                                              |                                | previous state |                      |
| new_state               | String             | {current_state}                                                                                                               |                                | current state  |                      |
| msg_noparam_info        | 535998999279173633 | Both Local and Remote                                                                                                         | gslb service port exceed limit | information    | gslb.service-ip.port |
| CEF                     |                    |                                                                                                                               |                                |                |                      |
| Format                  |                    | cs1=\$msg_noparam_info:%s: cs1Label=GSLB Service IP Limit                                                                     |                                |                |                      |

|                         |                    |                                                                                                                                                           |                               |                |                      |
|-------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|----------------------|
| Example                 |                    | cs1=Number of GSLB service ports exceeds the system or L3v limit cs1Label=GSLB Service IP Limit                                                           |                               |                |                      |
| SYSLOG                  |                    |                                                                                                                                                           |                               |                |                      |
| Format                  |                    | \$msg_noparam_info:%s:                                                                                                                                    |                               |                |                      |
| Example                 |                    | Number of GSLB service ports exceeds the system or L3v limit                                                                                              |                               |                |                      |
| Variable                | Type               | Value                                                                                                                                                     |                               | Description    |                      |
| msg_noparam_info        | String             | Number of GSLB service ports exceeds the system or L3v limit                                                                                              |                               | Failure reason |                      |
| slb_device_state_change | 535998999279173634 | Both Local and Remote                                                                                                                                     | GSLB object status is changed | information    | gslb.service-ip.port |
| CEF                     |                    |                                                                                                                                                           |                               |                |                      |
| Format                  |                    | cs1=\$gslb_obj:%s: cs1Label=GSLB Object cn1=\$port:%d: cn1Label=Port Number cs2=\$old_state:%s: cs2Label=Old Value cs3=\$new_state:%s: cs3Label=New Value |                               |                |                      |
| Example                 |                    | cs1=GSLB Site:SLB Device:Service-IP cs1Label=GSLB Object cn1=80 cn1Label=Port Number cs2=Down cs2Label=Old Value cs3=Up cs3Label=New Value                |                               |                |                      |
| SYSLOG                  |                    |                                                                                                                                                           |                               |                |                      |
| Format                  |                    | \$gslb_obj:%s: Port \$port:%d: changes state from \$old_state:%s: to \$new_state:%s:                                                                      |                               |                |                      |
| Example                 |                    | GSLB Site:SLB Device:Service-IP Port 80 changes state from Down to Up                                                                                     |                               |                |                      |
| Variable                | Type               | Value                                                                                                                                                     |                               | Description    |                      |
| gslb_obj                | String             | {gslb_object}                                                                                                                                             |                               | gslb object    |                      |
| port                    | Integer            | {port_number}                                                                                                                                             |                               | port number    |                      |
| old_state               | String             | {previous_state}                                                                                                                                          |                               | previous state |                      |
| new_state               | String             | {current_state}                                                                                                                                           |                               | current state  |                      |
| msg                     | 535963540029177857 | Both Local and Remote                                                                                                                                     | GSLB initialization complete  | information    | gslb.system          |
| CEF                     |                    |                                                                                                                                                           |                               |                |                      |
| Format                  |                    | cs1=\$msg:%s: cs1Label=System Message                                                                                                                     |                               |                |                      |
| Example                 |                    | cs1=Initialization done cs1Label=System Message                                                                                                           |                               |                |                      |
| SYSLOG                  |                    |                                                                                                                                                           |                               |                |                      |
| Format                  |                    | \$msg:%s:                                                                                                                                                 |                               |                |                      |

| Example        | Initialization done                                                                                                                                                                                                                                                              |                       |                                              |                     |                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------|---------------------|----------------|
| Variable       | Type                                                                                                                                                                                                                                                                             | Value                 |                                              | Description         |                |
| msg            | String                                                                                                                                                                                                                                                                           | Initialization done   |                                              | System notification |                |
| msg_error      | 535963540029177858                                                                                                                                                                                                                                                               | Both Local and Remote | GSLB initialization failed at cache creation | error               | gslb.system    |
| CEF            |                                                                                                                                                                                                                                                                                  |                       |                                              |                     |                |
| Format         | cs1=\$gslb_module:%s: cs1Label=gslb module                                                                                                                                                                                                                                       |                       |                                              |                     |                |
| Example        | cs1=PROBE cs1Label=gslb module                                                                                                                                                                                                                                                   |                       |                                              |                     |                |
| SYSLOG         |                                                                                                                                                                                                                                                                                  |                       |                                              |                     |                |
| Format         | \$gslb_module:%s: cache creation failed                                                                                                                                                                                                                                          |                       |                                              |                     |                |
| Example        | PROBE cache creation failed                                                                                                                                                                                                                                                      |                       |                                              |                     |                |
| Variable       | Type                                                                                                                                                                                                                                                                             | Value                 |                                              | Description         |                |
| gslb_module    | String                                                                                                                                                                                                                                                                           | PROBE<br>RDT          |                                              | GSLB Module         |                |
| status         | 283726776524341249                                                                                                                                                                                                                                                               | Both Local and Remote | hd monitor operation log                     | notification        | hd-monitor     |
| SYSLOG         |                                                                                                                                                                                                                                                                                  |                       |                                              |                     |                |
| Format         | The system will \$status:%s: Hard Disk Monitoring                                                                                                                                                                                                                                |                       |                                              |                     |                |
| Example        | The system will enable Hard Disk Monitoring                                                                                                                                                                                                                                      |                       |                                              |                     |                |
| Variable       | Type                                                                                                                                                                                                                                                                             | Value                 |                                              | Description         |                |
| status         | String                                                                                                                                                                                                                                                                           | {status_info}         |                                              | status info         |                |
| service_member | 450395147109138433                                                                                                                                                                                                                                                               | Both Local and Remote | service-group member operational status      | warning             | health.monitor |
| CEF            |                                                                                                                                                                                                                                                                                  |                       |                                              |                     |                |
| Format         | cs1=\$server:%s: cs1Label=Server string cs2=\$server_name:%s: cs2Label=Server name cs3=\$ip_str:%s: cs3Label=ip string cs4=\$proto:%s: cs4Label=protocol cs5=\$port:%u: cs5Label=port cs6=\$grp_name:%s: cs6Label=group name cs7=\$reason:%s: cs7Label=Reason for health monitor |                       |                                              |                     |                |
| Example        | cs1=s1 cs1Label=Server string cs2=s1 cs2Label=Server name cs3=10.1.1.1 cs3Label=ip string cs4=TCP cs4Label=protocol cs5=1000 cs5Label=port cs6=sg-tcp cs6Label=group name cs7=enabled cs7Label=Reason for health monitor                                                         |                       |                                              |                     |                |
| SYSLOG         |                                                                                                                                                                                                                                                                                  |                       |                                              |                     |                |



| Format             |                    | \$server:%s: \$server_name:%s: (\$ip_str:%s: ) \$proto:%s: port \$port:%u: of group \$grp_name:%s: is \$reason:%s:                                                    |                             |                    |                                |
|--------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|--------------------------------|
| Example            |                    | s1 s1 (10.1.1.1 ) TCP port 1000 of group sg-tcp is enabled                                                                                                            |                             |                    |                                |
| Variable           | Type               | Value                                                                                                                                                                 |                             | Description        |                                |
| server             | String             | {server_name}                                                                                                                                                         |                             | server name        |                                |
| server_name        | String             | {server_name}                                                                                                                                                         |                             | server name        |                                |
| ip_str             | String             | {server_IP}                                                                                                                                                           |                             | server IP          |                                |
| proto              | String             | TCP<br>UDP                                                                                                                                                            |                             | Type of protocol   |                                |
| port               | Unsigned Integer   | {real_port}                                                                                                                                                           |                             | real port          |                                |
| grp_name           | String             | {service-group_name}                                                                                                                                                  |                             | service-group name |                                |
| reason             | String             | enabled<br>disable                                                                                                                                                    |                             | operational status |                                |
| sub_compound_state | 450395512181358593 | Both Local and Remote                                                                                                                                                 | sub-compound status changed | information        | health.monitor.method.compound |
| CEF                |                    |                                                                                                                                                                       |                             |                    |                                |
| Format             |                    | cs1=\$sub_compound_name:%s: cs1Label=Sub-compound name cs2=\$ip_str:%s: cs2Label=on the server proto=\$proto:%s: cs3=\$status:%s: cs3Label=status reason=\$reason:%s: |                             |                    |                                |
| Example            |                    | cs1=cphm_456 cs1Label=Sub-compound name cs2=10.1.1.1:port cs2Label=on the server proto=TCP cs3=up cs3Label=status reason=port opened                                  |                             |                    |                                |
| SYSLOG             |                    |                                                                                                                                                                       |                             |                    |                                |
| Format             |                    | Sub-compound \$sub_compound_name:%s: on the server (\$ip_str:%s:\$proto:%s:) is \$status:%s: (\$reason:%s:)                                                           |                             |                    |                                |
| Example            |                    | Sub-compound cphm_456 on the server (10.1.1.1:port/TCP) is up (port opened)                                                                                           |                             |                    |                                |
| Variable           | Type               | Value                                                                                                                                                                 |                             | Description        |                                |
| sub_compound_name  | String             | {sub-compound_name}                                                                                                                                                   |                             | sub-compound name  |                                |
| ip_str             | String             | {server_IP}                                                                                                                                                           |                             | server IP          |                                |
| proto              | String             | TCP<br>UDP                                                                                                                                                            |                             | Type of protocol   |                                |
| status             | String             | up<br>down                                                                                                                                                            |                             | operational status |                                |
| reason             | String             | port opened<br>port closed                                                                                                                                            |                             | operational reason |                                |

| error            | 481885160128643074                                     | Both Local and Remote | System HSM error logs      | error       | hsm    |
|------------------|--------------------------------------------------------|-----------------------|----------------------------|-------------|--------|
| SYSLOG           |                                                        |                       |                            |             |        |
| Format           | \$err:%s:                                              |                       |                            |             |        |
| Example          | INFO                                                   |                       |                            |             |        |
| Variable         | Type                                                   | Value                 |                            | Description |        |
| err              | String                                                 | {error}               |                            | error       |        |
| info             | 481885160128643073                                     | Both Local and Remote | System HSM info logs       | information | hsm    |
| SYSLOG           |                                                        |                       |                            |             |        |
| Format           | Template \$templ:%s: is \$state:%s:                    |                       |                            |             |        |
| Example          | Template hsm is warning                                |                       |                            |             |        |
| Variable         | Type                                                   | Value                 |                            | Description |        |
| templ            | String                                                 | {template}            |                            | template    |        |
| state            | String                                                 | {state}               |                            | state       |        |
| export-info      | 585467951558164481                                     | Both Local and Remote | Failed to move file        | information | import |
| SYSLOG           |                                                        |                       |                            |             |        |
| Format           | Failed to move file \$dest:%s: from \$src:%s:          |                       |                            |             |        |
| Example          | Failed to move file classlist-1 from scp:1.1.1.1/a.txt |                       |                            |             |        |
| Variable         | Type                                                   | Value                 |                            | Description |        |
| dest             | String                                                 | {file_name}           |                            | file name   |        |
| src              | String                                                 | {url}                 |                            | url         |        |
| fips-https       | 585467951558164482                                     | Both Local and Remote | fips mode cannot use https | information | import |
| SYSLOG           |                                                        |                       |                            |             |        |
| Format           | https is not allowed to use in fips mode               |                       |                            |             |        |
| wget-authen-fail | 585467951558164488                                     | Both Local and        | wget username/password     | error       | import |

|                                                                             |                    |                       |                               |       |        |
|-----------------------------------------------------------------------------|--------------------|-----------------------|-------------------------------|-------|--------|
|                                                                             |                    | Remote                | authentication failure        |       |        |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: username/password authentication failure. |                    |                       |                               |       |        |
| wget-file-error                                                             | 585467951558164485 | Both Local and Remote | wget file I/O error           | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: file I/O error.                           |                    |                       |                               |       |        |
| wget-generic-error                                                          | 585467951558164483 | Both Local and Remote | wget generic error message    | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: generic error code.                       |                    |                       |                               |       |        |
| wget-network-fail                                                           | 585467951558164486 | Both Local and Remote | wget network failure          | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: network failure.                          |                    |                       |                               |       |        |
| wget-parse-error                                                            | 585467951558164484 | Both Local and Remote | wget parse error              | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: parse error.                              |                    |                       |                               |       |        |
| wget-protocol-error                                                         | 585467951558164489 | Both Local and Remote | wget protocol error           | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: protocols error.                          |                    |                       |                               |       |        |
| wget-server-error                                                           | 585467951558164490 | Both Local and Remote | wget server return error      | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |
| Format                      wget: server issued an error response.          |                    |                       |                               |       |        |
| wget-ssl-fail                                                               | 585467951558164487 | Both Local and Remote | wget SSL verification failure | error | import |
| <b>SYSLOG</b>                                                               |                    |                       |                               |       |        |

| Format wget: SSL verification failure.                                      |                    |                       |                                                                                         |             |           |
|-----------------------------------------------------------------------------|--------------------|-----------------------|-----------------------------------------------------------------------------------------|-------------|-----------|
| wget-unknown-error                                                          | 585467951558164491 | Both Local and Remote | wget return other error code                                                            | error       | import    |
| SYSLOG                                                                      |                    |                       |                                                                                         |             |           |
| Format wget: unknown error code.                                            |                    |                       |                                                                                         |             |           |
| copy-from-runn-cfg-err                                                      | 427841964600197123 | Both Local and Remote | Operational error logs for interface when copying from running-config to startup-config | error       | interface |
| CEF                                                                         |                    |                       |                                                                                         |             |           |
| Format Ifname=\$ifname:%s:                                                  |                    |                       |                                                                                         |             |           |
| Example Ifname=ethernet 1                                                   |                    |                       |                                                                                         |             |           |
| SYSLOG                                                                      |                    |                       |                                                                                         |             |           |
| Format Copy \$ifname:%s: interface running-config to startup-config failure |                    |                       |                                                                                         |             |           |
| Example Copy ethernet 1 interface running-config to startup-config failure  |                    |                       |                                                                                         |             |           |
| Variable                                                                    | Type               | Value                 |                                                                                         | Description |           |
| ifname                                                                      | String             | {ifname}              |                                                                                         | ifname      |           |
| copy-to-runn-cfg-err                                                        | 427841964600197124 | Both Local and Remote | Operational error logs for interface when copying from running-config to startup-config | error       | interface |
| CEF                                                                         |                    |                       |                                                                                         |             |           |
| Format Ifname=\$ifname:%s:                                                  |                    |                       |                                                                                         |             |           |
| Example Ifname=ethernet 1                                                   |                    |                       |                                                                                         |             |           |
| SYSLOG                                                                      |                    |                       |                                                                                         |             |           |
| Format Copy \$ifname:%s: interface startup-config to running-config failure |                    |                       |                                                                                         |             |           |
| Example Copy ethernet 1 interface startup-config to running-config failure  |                    |                       |                                                                                         |             |           |
| Variable                                                                    | Type               | Value                 |                                                                                         | Description |           |
| ifname                                                                      | String             | {ifname}              |                                                                                         | ifname      |           |
| runn-cfg-err-remove                                                         | 427841964600197125 | Both Local and Remote | Operational error logs to remove the interface from                                     | error       | interface |

|                      |                                                         |                       |                                                                    |             |           |
|----------------------|---------------------------------------------------------|-----------------------|--------------------------------------------------------------------|-------------|-----------|
|                      |                                                         | Remote                | running-config                                                     |             |           |
| CEF                  |                                                         |                       |                                                                    |             |           |
| Format               | Ifname=\$ifname:%s:                                     |                       |                                                                    |             |           |
| Example              | Ifname=ethernet 1                                       |                       |                                                                    |             |           |
| SYSLOG               |                                                         |                       |                                                                    |             |           |
| Format               | Remove running-config of \$ifname:%s: failure           |                       |                                                                    |             |           |
| Example              | Remove running-config of ethernet 1 failure             |                       |                                                                    |             |           |
| Variable             | Type                                                    | Value                 |                                                                    | Description |           |
| ifname               | String                                                  | {ifname}              |                                                                    | ifname      |           |
| runn-cfg-err-save    | 427841964600197127                                      | Both Local and Remote | Operational error logs when saving backup interface flag           | error       | interface |
| CEF                  |                                                         |                       |                                                                    |             |           |
| Format               |                                                         |                       |                                                                    |             |           |
| SYSLOG               |                                                         |                       |                                                                    |             |           |
| Format               | Save backup interface flag failure                      |                       |                                                                    |             |           |
| shared-mem-error     | 427841964600197121                                      | Both Local and Remote | Shared memory var su_g_penIfBackup cannot be accessible            | error       | interface |
| CEF                  |                                                         |                       |                                                                    |             |           |
| Format               |                                                         |                       |                                                                    |             |           |
| SYSLOG               |                                                         |                       |                                                                    |             |           |
| Format               | Shared memory var su_g_penIfBackup cannot be accessible |                       |                                                                    |             |           |
| start-cfg-err-remove | 427841964600197126                                      | Both Local and Remote | Operational error logs when removing interface from startup-config | error       | interface |
| CEF                  |                                                         |                       |                                                                    |             |           |
| Format               | Ifname=\$ifname:%s:                                     |                       |                                                                    |             |           |
| Example              | Ifname=ethernet 1                                       |                       |                                                                    |             |           |
|                      |                                                         |                       |                                                                    |             |           |

| SYSLOG           |                    |                                                                                                 |                                           |              |           |
|------------------|--------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------|--------------|-----------|
| Format           |                    | Remove startup-config of \$ifname:%s: failure                                                   |                                           |              |           |
| Example          |                    | Remove startup-config of ethernet 1 failure                                                     |                                           |              |           |
| Variable         | Type               | Value                                                                                           |                                           | Description  |           |
| ifname           | String             | {ifname}                                                                                        |                                           | ifname       |           |
| state-error      | 427841964600197122 | Both Local and Remote                                                                           | Interface bring up/shutdown error logs    | error        | interface |
| CEF              |                    |                                                                                                 |                                           |              |           |
| Format           |                    | cs1=\$state:%s: cs1Label=Interface state Ifname=\$ifType:%s: reason=\$err:%s:                   |                                           |              |           |
| Example          |                    | cs1=Bring up cs1Label=Interface state Ifname=Ethernet 1 reason=Hardware device is not available |                                           |              |           |
| SYSLOG           |                    |                                                                                                 |                                           |              |           |
| Format           |                    | \$state:%s: \$ifType:%s: interface failure \$err:%s:                                            |                                           |              |           |
| Example          |                    | Bring up Ethernet 1 interface failure Hardware device is not available                          |                                           |              |           |
| Variable         | Type               | Value                                                                                           |                                           | Description  |           |
| state            | String             | Bring up Shutdown                                                                               |                                           | state        |           |
| ifType           | String             | {ifType}                                                                                        |                                           | ifType       |           |
| err              | String             | Hardware device is not available                                                                |                                           | ifType       |           |
| status-take-back | 427841964600197133 | Both Local and Remote                                                                           | Interface takes back operation is success | notification | interface |
| CEF              |                    |                                                                                                 |                                           |              |           |
| Format           |                    | cs1=\$ifname1:%s: cs1Label=Takes back Interface cs2=\$ifname2:%s: cs2Label=Target Interface     |                                           |              |           |
| Example          |                    | cs1=ethernet1 cs1Label=Takes back Interface cs2=ethernet2 cs2Label=Target Interface             |                                           |              |           |
| SYSLOG           |                    |                                                                                                 |                                           |              |           |
| Format           |                    | Interface \$ifname1:%s: takes back \$ifname2:%s: successful                                     |                                           |              |           |
| Example          |                    | Interface ethernet1 takes back ethernet2 successful                                             |                                           |              |           |
| Variable         | Type               | Value                                                                                           |                                           | Description  |           |
| ifname1          | String             | {ifname1}                                                                                       |                                           | ifname1      |           |

|                         |                                                                                             |                       |                                                                                      |              |           |
|-------------------------|---------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------|-----------|
| ifname2                 | String                                                                                      | {ifname2}             |                                                                                      | ifname2      |           |
| status-take-over        | 427841964600197132                                                                          | Both Local and Remote | Interface takes over operation is success                                            | notification | interface |
| CEF                     |                                                                                             |                       |                                                                                      |              |           |
| Format                  | cs1=\$ifname1:%s: cs1Label=Takes over Interface cs2=\$ifname2:%s: cs2Label=Target Interface |                       |                                                                                      |              |           |
| Example                 | cs1=ethernet1 cs1Label=Takes over Interface cs2=ethernet2 cs2Label=Target Interface         |                       |                                                                                      |              |           |
| SYSLOG                  |                                                                                             |                       |                                                                                      |              |           |
| Format                  | Interface \$ifname1:%s: takes over \$ifname2:%s: successful                                 |                       |                                                                                      |              |           |
| Example                 | Interface ethernet1 takes over ethernet2 successful                                         |                       |                                                                                      |              |           |
| Variable                | Type                                                                                        | Value                 |                                                                                      | Description  |           |
| ifname1                 | String                                                                                      | {ifname1}             |                                                                                      | ifname1      |           |
| ifname2                 | String                                                                                      | {ifname2}             |                                                                                      | ifname2      |           |
| status-up-down          | 427841964600197131                                                                          | Both Local and Remote | Interface status changed to up/down                                                  | notification | interface |
| CEF                     |                                                                                             |                       |                                                                                      |              |           |
| Format                  | Ifname=\$ifname:%s: cs2=\$state:%s: cs2Label=State                                          |                       |                                                                                      |              |           |
| Example                 | Ifname=ethernet 1 cs2=up cs2Label=State                                                     |                       |                                                                                      |              |           |
| SYSLOG                  |                                                                                             |                       |                                                                                      |              |           |
| Format                  | \$ifname:%s: interface is \$state:%s:                                                       |                       |                                                                                      |              |           |
| Example                 | ethernet 1 interface is up                                                                  |                       |                                                                                      |              |           |
| Variable                | Type                                                                                        | Value                 |                                                                                      | Description  |           |
| ifname                  | String                                                                                      | {ifname}              |                                                                                      | ifname       |           |
| state                   | String                                                                                      | up<br>down            |                                                                                      | state        |           |
| status-warn-ip-conflict | 427841964600197130                                                                          | Both Local and Remote | Interface warning logs when IP address conflicts with another machine on the network | warning      | interface |
| CEF                     |                                                                                             |                       |                                                                                      |              |           |
| Format                  | Ifv4=\$ip:%s:                                                                               |                       |                                                                                      |              |           |

| Example                  |                    | Ifv4=10.10.10.10                                                                                                |                                                                                        |             |                    |
|--------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------|--------------------|
| SYSLOG                   |                    |                                                                                                                 |                                                                                        |             |                    |
| Format                   |                    | \$ip:%s: IP address conflicts with another machine on the network                                               |                                                                                        |             |                    |
| Example                  |                    | 10.10.10.10 IP address conflicts with another machine on the network                                            |                                                                                        |             |                    |
| Variable                 | Type               | Value                                                                                                           |                                                                                        | Description |                    |
| ip                       | String             | {ip}                                                                                                            |                                                                                        | ip          |                    |
| status-warn-name         | 427841964600197128 | Both Local and Remote                                                                                           | Operational logs when load interface name from a specific file.                        | warning     | interface          |
| CEF                      |                    |                                                                                                                 |                                                                                        |             |                    |
| Format                   |                    | filePath=\$file:%s:                                                                                             |                                                                                        |             |                    |
| Example                  |                    | filePath=/a10data/etc/network/ifmap.conf                                                                        |                                                                                        |             |                    |
| SYSLOG                   |                    |                                                                                                                 |                                                                                        |             |                    |
| Format                   |                    | Failed to load interface name from \$file:%s:. Using default settings.                                          |                                                                                        |             |                    |
| Example                  |                    | Failed to load interface name from /a10data/etc/network/ifmap.conf. Using default settings.                     |                                                                                        |             |                    |
| Variable                 | Type               | Value                                                                                                           |                                                                                        | Description |                    |
| file                     | String             | {file}                                                                                                          |                                                                                        | file        |                    |
| status-warn-static-route | 427841964600197129 | Both Local and Remote                                                                                           | Failed to add static route entries to the table.                                       | warning     | interface          |
| CEF                      |                    |                                                                                                                 |                                                                                        |             |                    |
| Format                   |                    |                                                                                                                 |                                                                                        |             |                    |
| SYSLOG                   |                    |                                                                                                                 |                                                                                        |             |                    |
| Format                   |                    | Some static routing entries cannot be added into routing table. Maybe interface network changed.                |                                                                                        |             |                    |
| icmp_exceed              | 427877148972285954 | Both Local and Remote                                                                                           | Ethernet Interface ICMP packet rate limit exceeded, drop all packets for lockup period | information | interface.ethernet |
| CEF                      |                    |                                                                                                                 |                                                                                        |             |                    |
| Format                   |                    | cn1=\$port:%u: cn1Label=Ethernet interface rateLimit=\$limit:%u: cn3=\$lockup_period:%u: cn3Label=Lockup Period |                                                                                        |             |                    |



|               |                    |                                                                                                                                                         |                                                                                          |               |                    |
|---------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|--------------------|
| Example       |                    | cn1=10 cn1Label=Ethernet interface rateLimit=1 cn3=1 cn3Label=Lockup Period                                                                             |                                                                                          |               |                    |
| SYSLOG        |                    |                                                                                                                                                         |                                                                                          |               |                    |
| Format        |                    | Ethernet interface \$port:%u: ICMP packet rate limit \$limit:%u: exceeded. Drop ICMP packets to this interface for next \$lockup_period:%u: seconds     |                                                                                          |               |                    |
| Example       |                    | Ethernet interface 10 ICMP packet rate limit 1 exceeded. Drop ICMP packets to this interface for next 1 seconds                                         |                                                                                          |               |                    |
| Variable      | Type               | Value                                                                                                                                                   |                                                                                          | Description   |                    |
| port          | Unsigned Integer   | {port}                                                                                                                                                  |                                                                                          | port          |                    |
| limit         | Unsigned Integer   | 1-65535                                                                                                                                                 |                                                                                          | limit         |                    |
| lockup_period | Unsigned Integer   | 1-16383                                                                                                                                                 |                                                                                          | lockup_period |                    |
| icmpv6_exceed | 427877148972285955 | Both Local and Remote                                                                                                                                   | Ethernet Interface ICMPV6 packet rate limit exceeded, drop all packets for lockup period | information   | interface.ethernet |
| CEF           |                    |                                                                                                                                                         |                                                                                          |               |                    |
| Format        |                    | cn1=\$port:%u: cn1Label=Ethernet interface rateLimit=\$limit:%u: cn3=\$lockup_period:%u: cn3Label=Lockup Period                                         |                                                                                          |               |                    |
| Example       |                    | cn1=10 cn1Label=Ethernet interface rateLimit=1 cn3=1 cn3Label=Lockup Period                                                                             |                                                                                          |               |                    |
| SYSLOG        |                    |                                                                                                                                                         |                                                                                          |               |                    |
| Format        |                    | Ethernet interface \$port:%u: ICMPV6 packet rate limit \$limit:%u: exceeded. Drop ICMPV6 packets to this interface for next \$lockup_period:%u: seconds |                                                                                          |               |                    |
| Example       |                    | Ethernet interface 10 ICMPV6 packet rate limit 1 exceeded. Drop ICMPV6 packets to this interface for next 1 seconds                                     |                                                                                          |               |                    |
| Variable      | Type               | Value                                                                                                                                                   |                                                                                          | Description   |                    |
| port          | Unsigned Integer   | {port}                                                                                                                                                  |                                                                                          | port          |                    |
| limit         | Unsigned Integer   | 1-65535                                                                                                                                                 |                                                                                          | limit         |                    |
| lockup_period | Unsigned Integer   | 1-16383                                                                                                                                                 |                                                                                          | lockup_period |                    |
| port-state    | 427877148972285953 | Both Local and Remote                                                                                                                                   | Ethernet interface state change                                                          | information   | interface.ethernet |
| CEF           |                    |                                                                                                                                                         |                                                                                          |               |                    |
| Format        |                    | cs1=\$eth_if:%u: cs1Label=Ethernet Interface cs2=\$if_state:%s: cs2Label=Port Interface State                                                           |                                                                                          |               |                    |
| Example       |                    | cs1=1 cs1Label=Ethernet Interface cs2=up cs2Label=Port Interface State                                                                                  |                                                                                          |               |                    |
| SYSLOG        |                    |                                                                                                                                                         |                                                                                          |               |                    |

|             |                    |                                                                                                     |                                 |             |                    |
|-------------|--------------------|-----------------------------------------------------------------------------------------------------|---------------------------------|-------------|--------------------|
| Format      |                    | Ethernet interface \$eth_if:%u: is \$if_state:%s:                                                   |                                 |             |                    |
| Example     |                    | Ethernet interface 1 is up                                                                          |                                 |             |                    |
| Variable    | Type               | Value                                                                                               |                                 | Description |                    |
| eth_if      | Unsigned Integer   | {eth_if}                                                                                            |                                 | eth_if      |                    |
| if_state    | String             | up<br>down                                                                                          |                                 | if_state    |                    |
| state       | 427965109902508033 | Both Local and Remote                                                                               | LIF interface state change      | information | interface.lif      |
| CEF         |                    |                                                                                                     |                                 |             |                    |
| Format      |                    | cs1=\$port_name:%s: cs1Label=LIF Interface cs2=\$state:%s: cs2Label=Lif Interface State             |                                 |             |                    |
| Example     |                    | cs1=lif1 cs1Label=LIF Interface cs2=up cs2Label=Lif Interface State                                 |                                 |             |                    |
| SYSLOG      |                    |                                                                                                     |                                 |             |                    |
| Format      |                    | LIF \$port_name:%s: is \$state:%s:                                                                  |                                 |             |                    |
| Example     |                    | LIF lif1 is up                                                                                      |                                 |             |                    |
| Variable    | Type               | Value                                                                                               |                                 | Description |                    |
| port_name   | String             | {port_name}                                                                                         |                                 | port name   |                    |
| state       | String             | up<br>down                                                                                          |                                 | state       |                    |
| port-state  | 427947517716463617 | Both Local and Remote                                                                               | Loopback interface state change | information | interface.loopback |
| CEF         |                    |                                                                                                     |                                 |             |                    |
| Format      |                    | cs1=\$port_number:%u: cs1Label=Loopback Interface cs2=\$state:%s: cs2Label=Loopback Interface State |                                 |             |                    |
| Example     |                    | cs1=0 cs1Label=Loopback Interface cs2=up cs2Label=Loopback Interface State                          |                                 |             |                    |
| SYSLOG      |                    |                                                                                                     |                                 |             |                    |
| Format      |                    | Loopback\$port_number:%u: is \$state:%s:                                                            |                                 |             |                    |
| Example     |                    | Loopback0 is up                                                                                     |                                 |             |                    |
| Variable    | Type               | Value                                                                                               |                                 | Description |                    |
| port_number | Unsigned Integer   | 0-10                                                                                                |                                 | port_number |                    |

|                   |                                                                                            |                       |                                                      |             |                      |
|-------------------|--------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------|-------------|----------------------|
| state             | String                                                                                     | up<br>down            | state                                                |             |                      |
| port-state        | 427859556786241537                                                                         | Both Local and Remote | Management interface port status changes to up/down  | alert       | interface.management |
| CEF               |                                                                                            |                       |                                                      |             |                      |
| Format            | cs1=\$state:%s: cs1Label= Interface state                                                  |                       |                                                      |             |                      |
| Example           | cs1=up cs1Label= Interface state                                                           |                       |                                                      |             |                      |
| SYSLOG            |                                                                                            |                       |                                                      |             |                      |
| Format            | Management interface is \$state:%s:                                                        |                       |                                                      |             |                      |
| Example           | Management interface is up                                                                 |                       |                                                      |             |                      |
| Variable          | Type                                                                                       | Value                 |                                                      | Description |                      |
| state             | String                                                                                     | up<br>down            | state                                                |             |                      |
| second-port-state | 427859556786241538                                                                         | Both Local and Remote | Management2 interface port status changes to up/down | alert       | interface.management |
| CEF               |                                                                                            |                       |                                                      |             |                      |
| Format            | cs1=\$state:%s: cs1Label= Interface state                                                  |                       |                                                      |             |                      |
| Example           | cs1=up cs1Label= Interface state                                                           |                       |                                                      |             |                      |
| SYSLOG            |                                                                                            |                       |                                                      |             |                      |
| Format            | Management2 interface is \$state:%s:                                                       |                       |                                                      |             |                      |
| Example           | Management2 interface is up                                                                |                       |                                                      |             |                      |
| Variable          | Type                                                                                       | Value                 |                                                      | Description |                      |
| state             | String                                                                                     | up<br>down            | state                                                |             |                      |
| state             | 427912333344374785                                                                         | Both Local and Remote | Trunk interface state change                         | information | interface.trunk      |
| CEF               |                                                                                            |                       |                                                      |             |                      |
| Format            | cs1=\$trunk_id:%u: cs1Label=Trunk Interface cs2=\$state:%s: cs2Label=Trunk Interface State |                       |                                                      |             |                      |
| Example           | cs1=1 cs1Label=Trunk Interface cs2=up cs2Label=Trunk Interface State                       |                       |                                                      |             |                      |
|                   |                                                                                            |                       |                                                      |             |                      |

| SYSLOG      |                    |                                                                                                                                   |                                                                                       |             |                  |
|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|------------------|
| Format      |                    | Trunk interface \$trunk_id:%u: is \$state:%s:                                                                                     |                                                                                       |             |                  |
| Example     |                    | Trunk interface 1 is up                                                                                                           |                                                                                       |             |                  |
| Variable    | Type               | Value                                                                                                                             |                                                                                       | Description |                  |
| trunk_id    | Unsigned Integer   | {trunk_id}                                                                                                                        |                                                                                       | trunk id    |                  |
| state       | String             | up<br>down                                                                                                                        |                                                                                       | state       |                  |
| intf-state  | 427982702088552449 | Both Local and Remote                                                                                                             | Tunnel interface state change                                                         | information | interface.tunnel |
| CEF         |                    |                                                                                                                                   |                                                                                       |             |                  |
| Format      |                    | cs1=\$Tunnel:%s: cs1Label=Tunnel Interface cs2=\$state:%s: cs2Label=Tunnel Interface State                                        |                                                                                       |             |                  |
| Example     |                    | cs1=tun1 cs1Label=Tunnel Interface cs2=up cs2Label=Tunnel Interface State                                                         |                                                                                       |             |                  |
| SYSLOG      |                    |                                                                                                                                   |                                                                                       |             |                  |
| Format      |                    | Tunnel interface \$Tunnel:%s: is \$state:%s:                                                                                      |                                                                                       |             |                  |
| Example     |                    | Tunnel interface tun1 is up                                                                                                       |                                                                                       |             |                  |
| Variable    | Type               | Value                                                                                                                             |                                                                                       | Description |                  |
| Tunnel      | String             | {Tunnel}                                                                                                                          |                                                                                       | Tunnel      |                  |
| state       | String             | up<br>down                                                                                                                        |                                                                                       | state       |                  |
| icmp_exceed | 427929925530419202 | Both Local and Remote                                                                                                             | Virtual Interface ICMP packet rate limit exceeded, drop all packets for lockup period | information | interface.ve     |
| CEF         |                    |                                                                                                                                   |                                                                                       |             |                  |
| Format      |                    | cn1=\$ve:%u: cn1Label=VE rateLimit=\$limit:%u: cn3=\$lockup_period:%u: cn3Label=Lockup Period                                     |                                                                                       |             |                  |
| Example     |                    | cn1=2 cn1Label=VE rateLimit=1 cn3=1 cn3Label=Lockup Period                                                                        |                                                                                       |             |                  |
| SYSLOG      |                    |                                                                                                                                   |                                                                                       |             |                  |
| Format      |                    | VE \$ve:%u: ICMP packet rate limit \$limit:%u: exceeded. Drop ICMP packets to this interface for next \$lockup_period:%u: seconds |                                                                                       |             |                  |
| Example     |                    | VE 2 ICMP packet rate limit 1 exceeded. Drop ICMP packets to this interface for next 1 seconds                                    |                                                                                       |             |                  |
| Variable    | Type               | Value                                                                                                                             |                                                                                       | Description |                  |

|               |                                                                                                                                       |                       |                                                                                         |               |              |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------|---------------|--------------|
| ve            | Unsigned Integer                                                                                                                      | 2-4094                |                                                                                         | ve            |              |
| limit         | Unsigned Integer                                                                                                                      | 1-65535               |                                                                                         | limit         |              |
| lockup_period | Unsigned Integer                                                                                                                      | 1-16383               |                                                                                         | lockup_period |              |
| icmpv6_exceed | 427929925530419203                                                                                                                    | Both Local and Remote | Virtual Interface ICMPV6 packet rate limit exceeded, drop all packets for lockup period | information   | interface.ve |
| CEF           |                                                                                                                                       |                       |                                                                                         |               |              |
| Format        | cn1=\$ve:%u: cn1Label=VE rateLimit=\$limit:%u: cn3=\$lockup_period:%u: cn3Label=Lockup Period                                         |                       |                                                                                         |               |              |
| Example       | cn1=2 cn1Label=VE rateLimit=1 cn3=1 cn3Label=Lockup Period                                                                            |                       |                                                                                         |               |              |
| SYSLOG        |                                                                                                                                       |                       |                                                                                         |               |              |
| Format        | VE \$ve:%u: ICMPV6 packet rate limit \$limit:%u: exceeded. Drop ICMPV6 packets to this interface for next \$lockup_period:%u: seconds |                       |                                                                                         |               |              |
| Example       | VE 2 ICMPV6 packet rate limit 1 exceeded. Drop ICMPV6 packets to this interface for next 1 seconds                                    |                       |                                                                                         |               |              |
| Variable      | Type                                                                                                                                  | Value                 |                                                                                         | Description   |              |
| ve            | Unsigned Integer                                                                                                                      | 2-4094                |                                                                                         | ve            |              |
| limit         | Unsigned Integer                                                                                                                      | 1-65535               |                                                                                         | limit         |              |
| lockup_period | Unsigned Integer                                                                                                                      | 1-16383               |                                                                                         | lockup_period |              |
| state         | 427929925530419201                                                                                                                    | Both Local and Remote | VE interface state change                                                               | information   | interface.ve |
| CEF           |                                                                                                                                       |                       |                                                                                         |               |              |
| Format        | cs1=\$ve_name:%s: cs1Label=Virtual Ethernet Interface cs2=\$state:%s: cs2Label=VE Interface State                                     |                       |                                                                                         |               |              |
| Example       | cs1=ve10 cs1Label=Virtual Ethernet Interface cs2=up cs2Label=VE Interface State                                                       |                       |                                                                                         |               |              |
| SYSLOG        |                                                                                                                                       |                       |                                                                                         |               |              |
| Format        | Virtual Ethernet interface \$ve_name:%s: is \$state:%s:                                                                               |                       |                                                                                         |               |              |
| Example       | Virtual Ethernet interface ve10 is up                                                                                                 |                       |                                                                                         |               |              |
| Variable      | Type                                                                                                                                  | Value                 |                                                                                         | Description   |              |
| ve_name       | String                                                                                                                                | {ve_name}             |                                                                                         | ve name       |              |
| state         | String                                                                                                                                | up<br>down            |                                                                                         | state         |              |

|                       |                                                                                                                                |                                  |                                                |                         |                 |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|-------------------------|-----------------|
| fragmentation-policy  | 247785940435599370                                                                                                             | Both Local and Remote            | Anomaly drops for fragmentation policy match   | warning                 | ip.anomaly-drop |
| CEF                   |                                                                                                                                |                                  |                                                |                         |                 |
| Format                | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                  |                                                |                         |                 |
| Example               | dvcpid=100000 msg=FRAG cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                              |                                  |                                                |                         |                 |
| SYSLOG                |                                                                                                                                |                                  |                                                |                         |                 |
| Format                | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                  |                                                |                         |                 |
| Example               | DDoS Log 100000 : IP Anomaly packets matching the FRAG profile have been detected. Previous 1234, current 1234                 |                                  |                                                |                         |                 |
| Variable              | Type                                                                                                                           | Value                            |                                                | Description             |                 |
| id                    | Unsigned Integer                                                                                                               | {log_ID}                         |                                                | log ID                  |                 |
| name                  | String                                                                                                                         | FRAG<br>EMPTY FRAG<br>MICRO FRAG |                                                | IP Anomaly profile type |                 |
| n1                    | Unsigned Integer                                                                                                               | {Previous_drop_count}            |                                                | Previous drop count     |                 |
| n2                    | Unsigned Integer                                                                                                               | {Current_drop_count}             |                                                | Current drop count      |                 |
| ID                    | Unsigned Integer                                                                                                               | {log_ID}                         |                                                | log ID                  |                 |
| drop_type             | String                                                                                                                         | FRAG<br>EMPTY FRAG<br>MICRO FRAG |                                                | IP Anomaly profile name |                 |
| general-attack-policy | 247785940435599369                                                                                                             | Both Local and Remote            | Anomaly drops for general attacks policy match | warning                 | ip.anomaly-drop |
| CEF                   |                                                                                                                                |                                  |                                                |                         |                 |
| Format                | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                  |                                                |                         |                 |
| Example               | dvcpid=100000 msg=LAND ATTACK cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                       |                                  |                                                |                         |                 |
| SYSLOG                |                                                                                                                                |                                  |                                                |                         |                 |
| Format                | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                  |                                                |                         |                 |
| Example               | DDoS Log 100000 : IP Anomaly packets matching the LAND ATTACK profile have been detected. Previous 1234, current 1234          |                                  |                                                |                         |                 |
| Variable              | Type                                                                                                                           | Value                            |                                                | Description             |                 |
| id                    | Unsigned Integer                                                                                                               | {log_ID}                         |                                                | log ID                  |                 |

|               |                                                                                                                                |                                                                                                                             |                                          |                         |                 |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------|-----------------|
| name          | String                                                                                                                         | LAND ATTACK<br>OVERSIZE PAYLOAD<br>PING OF DEATH<br>RUNT IP HDR<br>RUNT L4 HDR                                              |                                          | IP Anomaly profile type |                 |
| n1            | Unsigned Integer                                                                                                               | {Previous_drop_count}                                                                                                       |                                          | Previous drop count     |                 |
| n2            | Unsigned Integer                                                                                                               | {Current_drop_count}                                                                                                        |                                          | Current drop count      |                 |
| ID            | Unsigned Integer                                                                                                               | {log_ID}                                                                                                                    |                                          | log ID                  |                 |
| drop_type     | String                                                                                                                         | LAND ATTACK<br>OVERSIZE PAYLOAD<br>PING OF DEATH<br>RUNT IP HDR<br>RUNT L4 HDR                                              |                                          | IP Anomaly profile name |                 |
| ip-hdr-policy | 247785940435599366                                                                                                             | Both Local and Remote                                                                                                       | Anomaly drops for IP header policy match | warning                 | ip.anomaly-drop |
| CEF           |                                                                                                                                |                                                                                                                             |                                          |                         |                 |
| Format        | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                                                                                                             |                                          |                         |                 |
| Example       | dvcpid=100000 msg=IP OPTION cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                         |                                                                                                                             |                                          |                         |                 |
| SYSLOG        |                                                                                                                                |                                                                                                                             |                                          |                         |                 |
| Format        | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                                                                                                             |                                          |                         |                 |
| Example       | DDoS Log 100000 : IP Anomaly packets matching the IP OPTION profile have been detected. Previous 1234, current 1234            |                                                                                                                             |                                          |                         |                 |
| Variable      | Type                                                                                                                           | Value                                                                                                                       |                                          | Description             |                 |
| id            | Unsigned Integer                                                                                                               | {log_ID}                                                                                                                    |                                          | log ID                  |                 |
| name          | String                                                                                                                         | IP OPTION<br>NO IP PAYLOAD<br>BAD IP HDRLEN<br>BAD TTL<br>BAD PAYLOAD LEN<br>BAD IP FRAG OFS<br>BAD IP CSUM<br>BAD IP FLAGS |                                          | IP Anomaly policy type  |                 |
| n1            | Unsigned Integer                                                                                                               | {Previous_drop_count}                                                                                                       |                                          | Previous drop count     |                 |
| n2            | Unsigned Integer                                                                                                               | {Current_drop_count}                                                                                                        |                                          | Current drop count      |                 |
| ID            | Unsigned Integer                                                                                                               | {log_ID}                                                                                                                    |                                          | log ID                  |                 |





| Format         |                    | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                        |                         |                 |
|----------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-----------------|
| Example        |                    | DDoS Log 100000 : IP Anomaly packets matching the TCP ACK ATTACK profile have been detected. Previous 1234, current 1234       |                                        |                         |                 |
| Variable       | Type               | Value                                                                                                                          |                                        | Description             |                 |
| id             | Unsigned Integer   | {log_ID}                                                                                                                       |                                        | log ID                  |                 |
| name           | String             | TCP ACK ATTACK<br>TCP SYN ATTACK<br>TCP NULL SCAN                                                                              |                                        | IP Anomaly profile name |                 |
| n1             | Unsigned Integer   | {Previous_drop_count}                                                                                                          |                                        | Previous drop count     |                 |
| n2             | Unsigned Integer   | {Current_drop_count}                                                                                                           |                                        | Current drop count      |                 |
| ID             | Unsigned Integer   | {log_ID}                                                                                                                       |                                        | log ID                  |                 |
| drop_type      | String             | TCP ACK ATTACK<br>TCP SYN ATTACK<br>TCP NULL SCAN                                                                              |                                        | IP Anomaly profile name |                 |
| tcp-hdr-policy | 247785940435599363 | Both Local and Remote                                                                                                          | Anomaly drops for tcp syn policy match | warning                 | ip.anomaly-drop |
| CEF            |                    |                                                                                                                                |                                        |                         |                 |
| Format         |                    | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                        |                         |                 |
| Example        |                    | dvcpid=100000 msg=TCP SHORT HDR cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                     |                                        |                         |                 |
| SYSLOG         |                    |                                                                                                                                |                                        |                         |                 |
| Format         |                    | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                        |                         |                 |
| Example        |                    | DDoS Log 100000 : IP Anomaly packets matching the TCP SHORT HDR profile have been detected. Previous 1234, current 1234        |                                        |                         |                 |
| Variable       | Type               | Value                                                                                                                          |                                        | Description             |                 |
| id             | Unsigned Integer   | {log_ID}                                                                                                                       |                                        | log ID                  |                 |
| name           | String             | TCP SHORT HDR<br>TCP NO FLAG<br>TCP BAD URG OFS<br>TCP BAD IP HEADER LEN<br>TCP FRAG HDR<br>TCP OPTION<br>BAD TCP CSUM         |                                        | IP Anomaly profile type |                 |
| n1             | Unsigned Integer   | {Previous_drop_count}                                                                                                          |                                        | Previous drop count     |                 |

|                 |                                                                                                                                |                                                                                                                        |                                           |                         |                 |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|-----------------|
| n2              | Unsigned Integer                                                                                                               | {Current_drop_count}                                                                                                   |                                           | Current drop count      |                 |
| ID              | Unsigned Integer                                                                                                               | {log_ID}                                                                                                               |                                           | log ID                  |                 |
| drop_type       | String                                                                                                                         | TCP SHORT HDR<br>TCP NO FLAG<br>TCP BAD URG OFS<br>TCP BAD IP HEADER LEN<br>TCP FRAG HDR<br>TCP OPTION<br>BAD TCP CSUM |                                           | IP Anomaly profile name |                 |
| tcp-syn-policy  | 247785940435599362                                                                                                             | Both Local and Remote                                                                                                  | Anomaly drops for tcp syn policy match    | warning                 | ip.anomaly-drop |
| CEF             |                                                                                                                                |                                                                                                                        |                                           |                         |                 |
| Format          | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                                                                                                        |                                           |                         |                 |
| Example         | dvcpid=100000 msg=TCP SYN FRAG cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                      |                                                                                                                        |                                           |                         |                 |
| SYSLOG          |                                                                                                                                |                                                                                                                        |                                           |                         |                 |
| Format          | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                                                                                                        |                                           |                         |                 |
| Example         | DDoS Log 100000 : IP Anomaly packets matching the TCP SYN FRAG profile have been detected. Previous 1234, current 1234         |                                                                                                                        |                                           |                         |                 |
| Variable        | Type                                                                                                                           | Value                                                                                                                  |                                           | Description             |                 |
| id              | Unsigned Integer                                                                                                               | {log_ID}                                                                                                               |                                           | log ID                  |                 |
| name            | String                                                                                                                         | TCP SYN FRAG<br>TCP SYN FIN                                                                                            |                                           | IP Anomaly profile type |                 |
| n1              | Unsigned Integer                                                                                                               | {Previous_drop_count}                                                                                                  |                                           | Previous drop count     |                 |
| n2              | Unsigned Integer                                                                                                               | {Current_drop_count}                                                                                                   |                                           | Current drop count      |                 |
| ID              | Unsigned Integer                                                                                                               | {log_ID}                                                                                                               |                                           | log ID                  |                 |
| drop_type       | String                                                                                                                         | TCP SYN FRAG<br>TCP SYN FIN                                                                                            |                                           | IP Anomaly profile name |                 |
| tcp-xmas-policy | 247785940435599364                                                                                                             | Both Local and Remote                                                                                                  | Anomaly drops for tcp header policy match | warning                 | ip.anomaly-drop |
| CEF             |                                                                                                                                |                                                                                                                        |                                           |                         |                 |
| Format          | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                                                                                                        |                                           |                         |                 |
| Example         | dvcpid=100000 msg=TCP XMAS FLAGS cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                    |                                                                                                                        |                                           |                         |                 |

| SYSLOG        |                    |                                                                                                                                |                                       |                         |                 |
|---------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------|-----------------|
| Format        |                    | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                       |                         |                 |
| Example       |                    | DDoS Log 100000 : IP Anomaly packets matching the TCP XMAS FLAGS profile have been detected. Previous 1234, current 1234       |                                       |                         |                 |
| Variable      | Type               | Value                                                                                                                          |                                       | Description             |                 |
| id            | Unsigned Integer   | {log_ID}                                                                                                                       |                                       | log ID                  |                 |
| name          | String             | TCP XMAS FLAGS<br>TCP XMAS SCAN                                                                                                |                                       | IP Anomaly profile type |                 |
| n1            | Unsigned Integer   | {Previous_drop_count}                                                                                                          |                                       | Previous drop count     |                 |
| n2            | Unsigned Integer   | {Current_drop_count}                                                                                                           |                                       | Current drop count      |                 |
| ID            | Unsigned Integer   | {log_ID}                                                                                                                       |                                       | log ID                  |                 |
| drop_type     | String             | TCP XMAS FLAGS<br>TCP XMAS SCAN                                                                                                |                                       | IP Anomaly profile name |                 |
| tunnel-policy | 247785940435599368 | Both Local and Remote                                                                                                          | Anomaly drops for tunnel policy match | warning                 | ip.anomaly-drop |
| CEF           |                    |                                                                                                                                |                                       |                         |                 |
| Format        |                    | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                       |                         |                 |
| Example       |                    | dvcpid=100000 msg=VXLAN TUNNEL cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                      |                                       |                         |                 |
| SYSLOG        |                    |                                                                                                                                |                                       |                         |                 |
| Format        |                    | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                       |                         |                 |
| Example       |                    | DDoS Log 100000 : IP Anomaly packets matching the VXLAN TUNNEL profile have been detected. Previous 1234, current 1234         |                                       |                         |                 |
| Variable      | Type               | Value                                                                                                                          |                                       | Description             |                 |
| id            | Unsigned Integer   | {log_ID}                                                                                                                       |                                       | log ID                  |                 |
| name          | String             | VXLAN TUNNEL<br>GRE TUNNEL<br>GRE PPTP<br>IP TUNNEL MISMATCH<br>IP-OVER-IP TUNNEL                                              |                                       | IP Anomaly profile type |                 |
| n1            | Unsigned Integer   | {Previous_drop_count}                                                                                                          |                                       | Previous drop count     |                 |
| n2            | Unsigned Integer   | {Current_drop_count}                                                                                                           |                                       | Current drop count      |                 |
| ID            | Unsigned Integer   | {log_ID}                                                                                                                       |                                       | log ID                  |                 |

|                |                                                                                                                                |                                                                                        |                                      |                         |                 |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------|-------------------------|-----------------|
| drop_type      | String                                                                                                                         | VXLAN TUNNEL<br>GRE TUNNEL<br>GRE PPTP<br>IP TUNNEL MISMATCH<br>IP-OVER-IP TUNNEL      |                                      | IP Anomaly profile name |                 |
| udp-hdr-policy | 247785940435599365                                                                                                             | Both Local and Remote                                                                  | Anomaly policy match for TCP attacks | warning                 | ip.anomaly-drop |
| CEF            |                                                                                                                                |                                                                                        |                                      |                         |                 |
| Format         | dvcpid=\$ID:%u: msg=\$drop_type:%s: cn1=\$n1:%u: cn1Label=Previous drop count cn2=\$n2:%u: cn2Label=Current drop count         |                                                                                        |                                      |                         |                 |
| Example        | dvcpid=100000 msg=UDP BAD LEN cn1=1234 cn1Label=Previous drop count cn2=1234 cn2Label=Current drop count                       |                                                                                        |                                      |                         |                 |
| SYSLOG         |                                                                                                                                |                                                                                        |                                      |                         |                 |
| Format         | DDoS Log \$id:%u: : IP Anomaly packets matching the \$name:%s: profile have been detected. Previous \$n1:%u:, current \$n2:%u: |                                                                                        |                                      |                         |                 |
| Example        | DDoS Log 100000 : IP Anomaly packets matching the UDP BAD LEN profile have been detected. Previous 1234, current 1234          |                                                                                        |                                      |                         |                 |
| Variable       | Type                                                                                                                           | Value                                                                                  |                                      | Description             |                 |
| id             | Unsigned Integer                                                                                                               | {log_ID}                                                                               |                                      | log ID                  |                 |
| name           | String                                                                                                                         | UDP BAD LEN<br>UDP SHORT HDR<br>UDP KERBEROS FRAG<br>UDP PORT LOOPBACK<br>UDP BAD CSUM |                                      | IP Anomaly profile type |                 |
| n1             | Unsigned Integer                                                                                                               | {Previous_drop_count}                                                                  |                                      | Previous drop count     |                 |
| n2             | Unsigned Integer                                                                                                               | {Current_drop_count}                                                                   |                                      | Current drop count      |                 |
| ID             | Unsigned Integer                                                                                                               | {log_ID}                                                                               |                                      | log ID                  |                 |
| drop_type      | String                                                                                                                         | UDP BAD LEN<br>UDP SHORT HDR<br>UDP KERBEROS FRAG<br>UDP PORT LOOPBACK<br>UDP BAD CSUM |                                      | IP Anomaly profile name |                 |
| create-error   | 247909635493724164                                                                                                             | Both Local and Remote                                                                  | System error logs                    | error                   | ip.nat.pool     |
| SYSLOG         |                                                                                                                                |                                                                                        |                                      |                         |                 |
| Format         | Create Pool: \$err:%s:                                                                                                         |                                                                                        |                                      |                         |                 |
| Example        | Create Pool: Error                                                                                                             |                                                                                        |                                      |                         |                 |

| Variable     | Type                                                                                                                                                                                                                    | Value                                        |                                              | Description |               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-------------|---------------|
| err          | String                                                                                                                                                                                                                  | {Error_Log}                                  |                                              | Error Log   |               |
| xparent_mode | 256705178760118273                                                                                                                                                                                                      | Both Local and Remote                        | Failure to set IPv6 transparent mode address | error       | ipv6          |
| CEF          |                                                                                                                                                                                                                         |                                              |                                              |             |               |
| Format       | cs1=\$action:%s: cs1Label=Action                                                                                                                                                                                        |                                              |                                              |             |               |
| Example      | cs1=Failure to set IPv6 transparent mode address cs1Label=Action                                                                                                                                                        |                                              |                                              |             |               |
| SYSLOG       |                                                                                                                                                                                                                         |                                              |                                              |             |               |
| Format       | Transparent mode: failed to \$action:%s: IPv6 address for AX.                                                                                                                                                           |                                              |                                              |             |               |
| Example      | Transparent mode: failed to Failure to set IPv6 transparent mode address IPv6 address for AX.                                                                                                                           |                                              |                                              |             |               |
| Variable     | Type                                                                                                                                                                                                                    | Value                                        |                                              | Description |               |
| action       | String                                                                                                                                                                                                                  | Failure to set IPv6 transparent mode address |                                              | warning     |               |
| checksum_adv | 256810731876384771                                                                                                                                                                                                      | Both Local and Remote                        | ICMP IPv6 Advertisement checksum error       | information | ipv6.neighbor |
| CEF          |                                                                                                                                                                                                                         |                                              |                                              |             |               |
| Format       | cs1=\$message:%s: cs1Label=message                                                                                                                                                                                      |                                              |                                              |             |               |
| Example      | cs1=ICMP IPv6 checksum error cs1Label=message                                                                                                                                                                           |                                              |                                              |             |               |
| SYSLOG       |                                                                                                                                                                                                                         |                                              |                                              |             |               |
| Format       | \$message:%s:.                                                                                                                                                                                                          |                                              |                                              |             |               |
| Example      | ICMP IPv6 checksum error.                                                                                                                                                                                               |                                              |                                              |             |               |
| Variable     | Type                                                                                                                                                                                                                    | Value                                        |                                              | Description |               |
| message      | String                                                                                                                                                                                                                  | ICMP IPv6 checksum error                     |                                              | warning     |               |
| dupe_adv     | 256810731876384770                                                                                                                                                                                                      | Both Local and Remote                        | Duplicate IPv6 address detected              | warning     | ipv6.neighbor |
| CEF          |                                                                                                                                                                                                                         |                                              |                                              |             |               |
| Format       | cs1=\$str:%s: cs1Label=Duplicate IPv6 Address message cs2=\$ip6str:%s: cs2Label=IPv6 address cs3=\$front_port:%d: cs3Label=Port number cs4=\$mac:%s: cs4Label=Mac addr cs5=\$vlan_id:%d: cs5Label=Vlan id               |                                              |                                              |             |               |
| Example      | cs1=Duplicate IPv6 address detected cs1Label=Duplicate IPv6 Address message cs2=2003::11:11:11:1 cs2Label=IPv6 address cs3=10000 cs3Label=Port number cs4=00:1F:A0:08:99:D0 cs4Label=Mac addr cs5=1000 cs5Label=Vlan id |                                              |                                              |             |               |

| SYSLOG     |                    |                                                                                                                                                                                                                |                             |                      |               |
|------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|---------------|
| Format     |                    | \$str:%s: Duplicate IPv6 Address Detected: Neighbor Advertisement received for \$ipv6str:%s: from Port: \$front_port:%d: Mac: \$mac:%s: Vlan: \$vlan_id:%d:.                                                   |                             |                      |               |
| Example    |                    | Duplicate IPv6 address detected Duplicate IPv6 Address Detected: Neighbor Advertisement received for 2003::11:11:11:1 from Port: 10000 Mac: 00:1F:A0:08:99:D0 Vlan: 1000.                                      |                             |                      |               |
| Variable   | Type               | Value                                                                                                                                                                                                          |                             | Description          |               |
| str        | String             | Duplicate IPv6 address detected                                                                                                                                                                                |                             | warning              |               |
| ipv6str    | String             | {duplicate_entry_type}                                                                                                                                                                                         |                             | duplicate entry type |               |
| front_port | Integer            | {port_number}                                                                                                                                                                                                  |                             | port number          |               |
| mac        | MAC Address        | {MAC}                                                                                                                                                                                                          |                             | MAC                  |               |
| vlan_id    | Integer            | {VLAN_id}                                                                                                                                                                                                      |                             | VLAN id              |               |
| dupe_solic | 256810731876384769 | Both Local and Remote                                                                                                                                                                                          | Duplicate solicitation      | warning              | ipv6.neighbor |
| CEF        |                    |                                                                                                                                                                                                                |                             |                      |               |
| Format     |                    | cs1=\$str:%s: cs1Label=Duplicate solicitation message cs2=\$ipv6str:%s: cs2Label=IPv6 address cs3=\$front_port:%d: cs3Label=Port number cs4=\$mac:%s: cs4Label=Mac addr cs5=\$vlan_id:%d: cs5Label=Vlan id     |                             |                      |               |
| Example    |                    | cs1=Duplicate solicitation cs1Label=Duplicate solicitation message cs2=2003::11:11:11:1 cs2Label=IPv6 address cs3=10000 cs3Label=Port number cs4=00:1F:A0:08:99:D0 cs4Label=Mac addr cs5=1000 cs5Label=Vlan id |                             |                      |               |
| SYSLOG     |                    |                                                                                                                                                                                                                |                             |                      |               |
| Format     |                    | \$str:%s: Duplicate solicitation: Neighbor Solicitaion received for \$ipv6str:%s: from Port: \$front_port:%d: Mac: \$mac:%s: Vlan: \$vlan_id:%d:.                                                              |                             |                      |               |
| Example    |                    | Duplicate solicitation Duplicate solicitation: Neighbor Solicitaion received for 2003::11:11:11:1 from Port: 10000 Mac: 00:1F:A0:08:99:D0 Vlan: 1000.                                                          |                             |                      |               |
| Variable   | Type               | Value                                                                                                                                                                                                          |                             | Description          |               |
| str        | String             | Duplicate solicitation                                                                                                                                                                                         |                             | warning              |               |
| ipv6str    | String             | {duplicate_entry_type}                                                                                                                                                                                         |                             | duplicate entry type |               |
| front_port | Integer            | {port_number}                                                                                                                                                                                                  |                             | port number          |               |
| mac        | MAC Address        | {MAC}                                                                                                                                                                                                          |                             | MAC                  |               |
| vlan_id    | Integer            | {VLAN_id}                                                                                                                                                                                                      |                             | VLAN id              |               |
| conn-fail  | 148618787703226375 | Both Local and                                                                                                                                                                                                 | connect failed in sock init | information          | ldap-server   |

|                   |                    | Remote                                                    |                                                              |                |             |
|-------------------|--------------------|-----------------------------------------------------------|--------------------------------------------------------------|----------------|-------------|
| SYSLOG            |                    |                                                           |                                                              |                |             |
| Format            |                    | connect failed in sock init                               |                                                              |                |             |
| fail              | 148618787703226374 | Both Local and Remote                                     | Could not get LDAP server                                    | information    | ldap-server |
| SYSLOG            |                    |                                                           |                                                              |                |             |
| Format            |                    | Could not get LDAP server.                                |                                                              |                |             |
| info              | 148618787703226370 | Both Local and Remote                                     | LDAP info Logs                                               | information    | ldap-server |
| SYSLOG            |                    |                                                           |                                                              |                |             |
| Format            |                    | Can not contact with server \$name:%s:                    |                                                              |                |             |
| Example           |                    | Can not contact with server 1.1.1.1                       |                                                              |                |             |
| Variable          | Type               | Value                                                     |                                                              | Description    |             |
| name              | String             | {server_name}                                             |                                                              | server name    |             |
| invalid-attribute | 148618787703226372 | Both Local and Remote                                     | invalid attribute                                            | warning        | ldap-server |
| SYSLOG            |                    |                                                           |                                                              |                |             |
| Format            |                    | Attribute partition \$type:%s: is invalid for \$name:%s:  |                                                              |                |             |
| Example           |                    | Attribute partition Local is invalid for user1            |                                                              |                |             |
| Variable          | Type               | Value                                                     |                                                              | Description    |             |
| type              | String             | {attribute_type}                                          |                                                              | attribute type |             |
| name              | String             | {user_name}                                               |                                                              | user name      |             |
| not-config        | 148618787703226369 | Both Local and Remote                                     | A10AdminPartition attribute is not configured in LDAP server | warning        | ldap-server |
| SYSLOG            |                    |                                                           |                                                              |                |             |
| Format            |                    | A10AdminPartition attribute not configured in LDAP server |                                                              |                |             |
| oper-error        | 148618787703226371 | Both Local and Remote                                     | LDAP operation error                                         | error          | ldap-server |
| SYSLOG            |                    |                                                           |                                                              |                |             |

| Format              |                    | \$status:%s: \$err:%s:                                   |                             |                |                     |
|---------------------|--------------------|----------------------------------------------------------|-----------------------------|----------------|---------------------|
| Example             |                    | ldap search subtree failed An operations error occurred. |                             |                |                     |
| Variable            | Type               | Value                                                    |                             | Description    |                     |
| status              | String             | {fail_place}                                             |                             | fail place     |                     |
| err                 | String             | {fail_info}                                              |                             | fail info      |                     |
| partition-not-exist | 148618787703226373 | Both Local and Remote                                    | partition not exist         | warning        | ldap-server         |
| SYSLOG              |                    |                                                          |                             |                |                     |
| Format              |                    | Partition \$name:%s: doesn't exist                       |                             |                |                     |
| Example             |                    | Partition p1 doesn't exist                               |                             |                |                     |
| Variable            | Type               | Value                                                    |                             | Description    |                     |
| name                | String             | {partition_name}                                         |                             | partition name |                     |
| fail                | 382823560512536578 | Both Local and Remote                                    | link startup config failed  | error          | link.startup-config |
| SYSLOG              |                    |                                                          |                             |                |                     |
| Format              |                    | Fail to link \$profile:%s: in partition \$name:%s:       |                             |                |                     |
| Example             |                    | Fail to link prof1 in partition shared                   |                             |                |                     |
| Variable            | Type               | Value                                                    |                             | Description    |                     |
| profile             | String             | {profile_name}                                           |                             | profile name   |                     |
| name                | String             | {partition_name}                                         |                             | partition name |                     |
| succeed             | 382823560512536577 | Both Local and Remote                                    | link startup config succeed | information    | link.startup-config |
| SYSLOG              |                    |                                                          |                             |                |                     |
| Format              |                    | Succeed to link \$profile:%s: in partition \$name:%s:    |                             |                |                     |
| Example             |                    | Succeed to link prof1 in partition shared                |                             |                |                     |
| Variable            | Type               | Value                                                    |                             | Description    |                     |
| profile             | String             | {profile_name}                                           |                             | profile name   |                     |



|                       |                                                                                                                                         |                       |                                       |              |                |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|--------------|----------------|
| name                  | String                                                                                                                                  | {partition_name}      | partition name                        |              |                |
| ctrl-cpu-blacklisted  | 342273571680157702                                                                                                                      | Both Local and Remote | multi-ctrl-cpu blacklisted            | notification | multi-ctrl-cpu |
| SYSLOG                |                                                                                                                                         |                       |                                       |              |                |
| Format                | The system has some of the control CPUs blacklisted. Please issue --no multi-ctrl-cpu-- and reconfigure it if needed.                   |                       |                                       |              |                |
| ctrl-cpus-excess      | 342273571680157703                                                                                                                      | Both Local and Remote | multi-ctrl-cpu in excess              | notification | multi-ctrl-cpu |
| SYSLOG                |                                                                                                                                         |                       |                                       |              |                |
| Format                | The number of control CPUs are more than half of the allowed CPUs. Rebooting the system after moving to default number of control cpus. |                       |                                       |              |                |
| ctrl-cpus-not-allowed | 342273571680157704                                                                                                                      | Both Local and Remote | multi-ctrl-cpus not allowed           | notification | multi-ctrl-cpu |
| SYSLOG                |                                                                                                                                         |                       |                                       |              |                |
| Format                | The setting of control CPUs is is not allowed below 8 CPUs.                                                                             |                       |                                       |              |                |
| not-run-hw-diag       | 342273571680157699                                                                                                                      | Both Local and Remote | not run HW Diag when rebooted         | notification | multi-ctrl-cpu |
| SYSLOG                |                                                                                                                                         |                       |                                       |              |                |
| Format                | not run HW Diag when rebooted                                                                                                           |                       |                                       |              |                |
| notif                 | 342273571680157697                                                                                                                      | Both Local and Remote | multi-ctrl-cpu change                 | notification | multi-ctrl-cpu |
| SYSLOG                |                                                                                                                                         |                       |                                       |              |                |
| Format                | The system will run \$notice:%s:                                                                                                        |                       |                                       |              |                |
| Example               | The system will run 2 control cpu                                                                                                       |                       |                                       |              |                |
| Variable              | Type                                                                                                                                    | Value                 |                                       | Description  |                |
| notice                | String                                                                                                                                  | {more_info}           |                                       | more info    |                |
| run-def-prof          | 342273571680157698                                                                                                                      | Both Local and Remote | run the default profile when rebooted | notification | multi-ctrl-cpu |
| SYSLOG                |                                                                                                                                         |                       |                                       |              |                |
| Format                | run the default profile when rebooted                                                                                                   |                       |                                       |              |                |
| run-hw-diag           | 342273571680157700                                                                                                                      | Both Local and Remote | run HW Diag when rebooted             | notification | multi-ctrl-cpu |

|                 |                    |                                                                                                |                                             |                  |                |
|-----------------|--------------------|------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|----------------|
| SYSLOG          |                    |                                                                                                |                                             |                  |                |
| Format          |                    | run HW Diag when rebooted                                                                      |                                             |                  |                |
| run-l7-opt-prof | 342273571680157701 | Both Local and Remote                                                                          | run with L7 optimized profile when rebooted | notification     | multi-ctrl-cpu |
| SYSLOG          |                    |                                                                                                |                                             |                  |                |
| Format          |                    | run with L7 optimized profile when rebooted                                                    |                                             |                  |                |
| dupe_ipmac      | 252412685365280769 | Both Local and Remote                                                                          | Duplicate IP address detected               | warning          | network.arp    |
| CEF             |                    |                                                                                                |                                             |                  |                |
| Format          |                    | dvc=\$ip_addr:%s: dvcmac=\$mac:%s: dpt=\$port_num:%d: cn1=\$vlan_id:%d: cn1Label=vlan number   |                                             |                  |                |
| Example         |                    | dvc=1.2.3.4 dvcmac=AA:BB:CC:DD:EE:FF dpt=1 cn1=2 cn1Label=vlan number                          |                                             |                  |                |
| SYSLOG          |                    |                                                                                                |                                             |                  |                |
| Format          |                    | Duplicated IP \$ip_addr:%s: MAC \$mac:%s: from Port \$port_num:%d: VLAN \$vlan_id:%d: detected |                                             |                  |                |
| Example         |                    | Duplicated IP 1.2.3.4 MAC AA:BB:CC:DD:EE:FF from Port 1 VLAN 2 detected                        |                                             |                  |                |
| Variable        | Type               | Value                                                                                          |                                             | Description      |                |
| ip_addr         | String             | {ip_address}                                                                                   |                                             | ip address       |                |
| mac             | MAC Address        | {MAC_address}                                                                                  |                                             | MAC address      |                |
| port_num        | Integer            | {Interface_number}                                                                             |                                             | Interface number |                |
| vlan_id         | Integer            | 2-4094                                                                                         |                                             | Vlan ID          |                |
| send-ready      | 252483054109458434 | Both Local and Remote                                                                          | LLDP ready to send out the packet           | notification     | network.lldp   |
| CEF             |                    |                                                                                                |                                             |                  |                |
| Format          |                    |                                                                                                |                                             |                  |                |
| SYSLOG          |                    |                                                                                                |                                             |                  |                |
| Format          |                    | LLDP is ready to send out packet                                                               |                                             |                  |                |
| table-change    | 252483054109458433 | Both Local and Remote                                                                          | LLDP remote table changed                   | notification     | network.lldp   |
| CEF             |                    |                                                                                                |                                             |                  |                |

|               |                    |                                                                                                                                             |                                                                                |               |               |
|---------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------|---------------|
| Format        |                    |                                                                                                                                             |                                                                                |               |               |
| SYSLOG        |                    |                                                                                                                                             |                                                                                |               |               |
| Format        |                    | LLDP remote table changed, send trap                                                                                                        |                                                                                |               |               |
| icmp_exceed   | 252254355690881025 | Both Local and Remote                                                                                                                       | Trunk ICMP packet rate limit exceeded, drop ICMP packets for lockup period     | information   | network.trunk |
| CEF           |                    |                                                                                                                                             |                                                                                |               |               |
| Format        |                    | cn1=\$trunk:%u: cn1Label=Trunk rateLimit=\$limit:%u: cn3=\$lockup_period:%u: cn3Label=Lockup Period                                         |                                                                                |               |               |
| Example       |                    | cn1=10 cn1Label=Trunk rateLimit=1 cn3=100 cn3Label=Lockup Period                                                                            |                                                                                |               |               |
| SYSLOG        |                    |                                                                                                                                             |                                                                                |               |               |
| Format        |                    | TRUNK \$trunk:%u: ICMP packet rate limit \$limit:%u: exceeded. Drop ICMP packets to this interface for next \$lockup_period:%u: seconds     |                                                                                |               |               |
| Example       |                    | TRUNK 10 ICMP packet rate limit 1 exceeded. Drop ICMP packets to this interface for next 100 seconds                                        |                                                                                |               |               |
| Variable      | Type               | Value                                                                                                                                       |                                                                                | Description   |               |
| trunk         | Unsigned Integer   | {trunk}                                                                                                                                     |                                                                                | trunk         |               |
| limit         | Unsigned Integer   | 1-65535                                                                                                                                     |                                                                                | limit         |               |
| lockup_period | Unsigned Integer   | {lockup_period}                                                                                                                             |                                                                                | lockup_period |               |
| icmpv6_exceed | 252254355690881026 | Both Local and Remote                                                                                                                       | Trunk ICMPV6 packet rate limit exceeded, drop ICMPV6 packets for lockup period | information   | network.trunk |
| CEF           |                    |                                                                                                                                             |                                                                                |               |               |
| Format        |                    | cn1=\$trunk:%u: cn1Label=Trunk rateLimit=\$limit:%u: cn3=\$lockup_period:%u: cn3Label=Lockup Period                                         |                                                                                |               |               |
| Example       |                    | cn1=10 cn1Label=Trunk rateLimit=1 cn3=1 cn3Label=Lockup Period                                                                              |                                                                                |               |               |
| SYSLOG        |                    |                                                                                                                                             |                                                                                |               |               |
| Format        |                    | TRUNK \$trunk:%u: ICMPV6 packet rate limit \$limit:%u: exceeded. Drop ICMPV6 packets to this interface for next \$lockup_period:%u: seconds |                                                                                |               |               |
| Example       |                    | TRUNK 10 ICMPV6 packet rate limit 1 exceeded. Drop ICMPV6 packets to this interface for next 1 seconds                                      |                                                                                |               |               |
| Variable      | Type               | Value                                                                                                                                       |                                                                                | Description   |               |
| trunk         | Unsigned Integer   | {trunk}                                                                                                                                     |                                                                                | trunk         |               |
| limit         | Unsigned Integer   | 1-65535                                                                                                                                     |                                                                                | limit         |               |

|                |                                                                               |                       |                                       |             |                      |
|----------------|-------------------------------------------------------------------------------|-----------------------|---------------------------------------|-------------|----------------------|
| lockup_period  | Unsigned Integer                                                              | 1-16383               | lockup_period                         |             |                      |
| vwire-state    | 252606199411769345                                                            | Both Local and Remote | Virtual wire state change             | information | network.virtual-wire |
| CEF            |                                                                               |                       |                                       |             |                      |
| Format         | cs1=\$vwire_id:%u: cs1Label=Virtual wire cs2=\$vwire_state:%s: cs2Label=State |                       |                                       |             |                      |
| Example        | cs1=1 cs1Label=Virtual wire cs2=up cs2Label=State                             |                       |                                       |             |                      |
| SYSLOG         |                                                                               |                       |                                       |             |                      |
| Format         | Virtual wire \$vwire_id:%u: is \$vwire_state:%s:                              |                       |                                       |             |                      |
| Example        | Virtual wire 1 is up                                                          |                       |                                       |             |                      |
| Variable       | Type                                                                          | Value                 |                                       | Description |                      |
| vwire_id       | Unsigned Integer                                                              | {vwire_id}            |                                       | vwire_id    |                      |
| vwire_state    | String                                                                        | up<br>down            |                                       | vwire_state |                      |
| access_failure | 909727124728840203                                                            | Both Local and Remote | Failed to access ngwaf binary         | error       | ng-waf               |
| CEF            |                                                                               |                       |                                       |             |                      |
| Format         |                                                                               |                       |                                       |             |                      |
| SYSLOG         |                                                                               |                       |                                       |             |                      |
| Format         | failed to access a10ngwaf binary                                              |                       |                                       |             |                      |
| action_failure | 909727124728840194                                                            | Both Local and Remote | a10ngwaf status change action failure | error       | ng-waf               |
| CEF            |                                                                               |                       |                                       |             |                      |
| Format         | act=\$action:%s:                                                              |                       |                                       |             |                      |
| Example        | act=start                                                                     |                       |                                       |             |                      |
| SYSLOG         |                                                                               |                       |                                       |             |                      |
| Format         | a10ngwaf \$action:%s: failed                                                  |                       |                                       |             |                      |
| Example        | a10ngwaf start failed                                                         |                       |                                       |             |                      |
| Variable       | Type                                                                          | Value                 |                                       | Description |                      |

|                          |                                                                              |                                                                                                |                                       |                     |        |
|--------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|--------|
| action                   | String                                                                       | start<br>start(invalid agent-key)<br>start(invalid proxy server)<br>stop<br>restart<br>upgrade | action                                |                     |        |
| action_success           | 909727124728840193                                                           | Both Local and Remote                                                                          | a10ngwaf status change action success | information         | ng-waf |
| CEF                      |                                                                              |                                                                                                |                                       |                     |        |
| Format                   | act=\$action:%s:                                                             |                                                                                                |                                       |                     |        |
| Example                  | act=start                                                                    |                                                                                                |                                       |                     |        |
| SYSLOG                   |                                                                              |                                                                                                |                                       |                     |        |
| Format                   | a10ngwaf \$action:%s: success                                                |                                                                                                |                                       |                     |        |
| Example                  | a10ngwaf start success                                                       |                                                                                                |                                       |                     |        |
| Variable                 | Type                                                                         | Value                                                                                          |                                       | Description         |        |
| action                   | String                                                                       | start<br>stop<br>restart<br>upgrade                                                            |                                       | action              |        |
| disable_on_vport_failure | 909727124728840198                                                           | Both Local and Remote                                                                          | NGWAF disabling on vport failed       | error               | ng-waf |
| CEF                      |                                                                              |                                                                                                |                                       |                     |        |
| Format                   | cs1=\$vs_name:%s: cs1Label=Virtual Server Name dpt=\$port:%u:                |                                                                                                |                                       |                     |        |
| Example                  | cs1=vs cs1Label=Virtual Server Name dpt=0                                    |                                                                                                |                                       |                     |        |
| SYSLOG                   |                                                                              |                                                                                                |                                       |                     |        |
| Format                   | failed to disable ngwaf for virtual server \$vs_name:%s: on vport \$port:%u: |                                                                                                |                                       |                     |        |
| Example                  | failed to disable ngwaf for virtual server vs on vport 0                     |                                                                                                |                                       |                     |        |
| Variable                 | Type                                                                         | Value                                                                                          |                                       | Description         |        |
| vs_name                  | String                                                                       | {Virtual_Server_Name}                                                                          |                                       | Virtual Server Name |        |
| port                     | Unsigned Integer                                                             | 0-65535                                                                                        |                                       | port                |        |
| disable_on_vport_success | 909727124728840197                                                           | Both Local and Remote                                                                          | NGWAF disabling on vport succeeded    | information         | ng-waf |

|                         |                    |                                                                                                                 |                                   |                     |        |
|-------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------|--------|
| CEF                     |                    |                                                                                                                 |                                   |                     |        |
| Format                  |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server Name dpt=\$port:%u:                                                   |                                   |                     |        |
| Example                 |                    | cs1=vs cs1Label=Virtual Server Name dpt=0                                                                       |                                   |                     |        |
| SYSLOG                  |                    |                                                                                                                 |                                   |                     |        |
| Format                  |                    | ngwaf disabled for virtual server \$vs_name:%s: on vport \$port:%u:                                             |                                   |                     |        |
| Example                 |                    | ngwaf disabled for virtual server vs on vport 0                                                                 |                                   |                     |        |
| Variable                | Type               | Value                                                                                                           |                                   | Description         |        |
| vs_name                 | String             | {Virtual_Server_Name}                                                                                           |                                   | Virtual Server Name |        |
| port                    | Unsigned Integer   | 0-65535                                                                                                         |                                   | port                |        |
| enable_on_vport_failure | 909727124728840196 | Both Local and Remote                                                                                           | NGWAF enabling on vport failed    | error               | ng-waf |
| CEF                     |                    |                                                                                                                 |                                   |                     |        |
| Format                  |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server Name dpt=\$port:%u: cs2=\$proxy_server:%s: cs2Label=Proxy Server Name |                                   |                     |        |
| Example                 |                    | cs1=vs cs1Label=Virtual Server Name dpt=0 cs2=direct cs2Label=Proxy Server Name                                 |                                   |                     |        |
| SYSLOG                  |                    |                                                                                                                 |                                   |                     |        |
| Format                  |                    | failed to enable ngwaf on virtual server \$vs_name:%s: vport \$port:%u: via \$proxy_server:%s:                  |                                   |                     |        |
| Example                 |                    | failed to enable ngwaf on virtual server vs vport 0 via direct                                                  |                                   |                     |        |
| Variable                | Type               | Value                                                                                                           |                                   | Description         |        |
| vs_name                 | String             | {Virtual_Server_Name}                                                                                           |                                   | Virtual Server Name |        |
| port                    | Unsigned Integer   | 0-65535                                                                                                         |                                   | port                |        |
| proxy_server            | String             | {Proxy_Server_Name}                                                                                             |                                   | Proxy Server Name   |        |
| enable_on_vport_success | 909727124728840195 | Both Local and Remote                                                                                           | NGWAF enabling on vport succeeded | information         | ng-waf |
| CEF                     |                    |                                                                                                                 |                                   |                     |        |
| Format                  |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server Name dpt=\$port:%u: cs2=\$proxy_server:%s: cs2Label=Proxy Server Name |                                   |                     |        |
| Example                 |                    | cs1=vs cs1Label=Virtual Server Name dpt=0 cs2=direct cs2Label=Proxy Server Name                                 |                                   |                     |        |
| SYSLOG                  |                    |                                                                                                                 |                                   |                     |        |

| Format                                                                             |                    | ngwaf is enabled on virtual server \$vs_name:%s: vport \$port:%u: via \$proxy_server:%s: |                                        |                                      |        |
|------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|--------|
| Example                                                                            |                    | ngwaf is enabled on virtual server vs vport 0 via direct                                 |                                        |                                      |        |
| Variable                                                                           | Type               | Value                                                                                    |                                        | Description                          |        |
| vs_name                                                                            | String             | {Virtual_Server_Name}                                                                    |                                        | Virtual Server Name                  |        |
| port                                                                               | Unsigned Integer   | 0-65535                                                                                  |                                        | port                                 |        |
| proxy_server                                                                       | String             | {Proxy_Server_Name}                                                                      |                                        | Proxy Server Name                    |        |
| fork_failure                                                                       | 909727124728840205 | Both Local and Remote                                                                    | Failed to create new a10ngwaf instance | error                                | ng-waf |
| CEF                                                                                |                    |                                                                                          |                                        |                                      |        |
| Format                                                                             |                    |                                                                                          |                                        |                                      |        |
| SYSLOG                                                                             |                    |                                                                                          |                                        |                                      |        |
| Format                                                                             |                    |                                                                                          |                                        |                                      |        |
| failed to create new a10ngwaf instance                                             |                    |                                                                                          |                                        |                                      |        |
| instances_limit_exceeded                                                           | 909727124728840204 | Both Local and Remote                                                                    | NGWAF instances limit reached          | error                                | ng-waf |
| CEF                                                                                |                    |                                                                                          |                                        |                                      |        |
| Format                                                                             |                    |                                                                                          |                                        |                                      |        |
| cnt=\$instance_count:%u:                                                           |                    |                                                                                          |                                        |                                      |        |
| Example                                                                            |                    |                                                                                          |                                        |                                      |        |
| cnt=10                                                                             |                    |                                                                                          |                                        |                                      |        |
| SYSLOG                                                                             |                    |                                                                                          |                                        |                                      |        |
| Format                                                                             |                    |                                                                                          |                                        |                                      |        |
| failed to create new a10ngwaf instance above max limit (cnt=\$instance_count::%u:) |                    |                                                                                          |                                        |                                      |        |
| Example                                                                            |                    |                                                                                          |                                        |                                      |        |
| failed to create new a10ngwaf instance above max limit (cnt=10)                    |                    |                                                                                          |                                        |                                      |        |
| Variable                                                                           | Type               | Value                                                                                    |                                        | Description                          |        |
| instance_count                                                                     | Unsigned Integer   | {Number_of_allowed_a10ngwaf_instances}                                                   |                                        | Number of allowed a10ngwaf instances |        |
| instance_count:                                                                    | Unsigned Integer   | {Number_of_allowed_a10ngwaf_instances}                                                   |                                        | Number of allowed a10ngwaf instances |        |
| kill_instance_failure                                                              | 909727124728840207 | Both Local and Remote                                                                    | Failed to kill an a10ngwaf instance    | error                                | ng-waf |
| CEF                                                                                |                    |                                                                                          |                                        |                                      |        |
| Format                                                                             |                    |                                                                                          |                                        |                                      |        |
| SYSLOG                                                                             |                    |                                                                                          |                                        |                                      |        |

|                                    |                    |                                                                                                                              |                                        |             |        |
|------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|--------|
| Format                             |                    | Failed to kill an a10ngwaf instance                                                                                          |                                        |             |        |
| kill_instance_success              | 909727124728840206 | Both Local and Remote                                                                                                        | Killed an a10ngwaf instance            | information | ng-waf |
| CEF                                |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    |                                                                                                                              |                                        |             |        |
| SYSLOG                             |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    | killed an a10ngwaf instance                                                                                                  |                                        |             |        |
| killall_instances_failure          | 909727124728840209 | Both Local and Remote                                                                                                        | Failed to kill all a10ngwaf instances  | error       | ng-waf |
| CEF                                |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    |                                                                                                                              |                                        |             |        |
| SYSLOG                             |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    | Failed to kill all a10ngwaf instances                                                                                        |                                        |             |        |
| killall_instances_success          | 909727124728840208 | Both Local and Remote                                                                                                        | Killed all a10ngwaf instances          | information | ng-waf |
| CEF                                |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    |                                                                                                                              |                                        |             |        |
| SYSLOG                             |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    | Killed all a10ngwaf instances                                                                                                |                                        |             |        |
| max_tracked_custom_signal_exceeded | 909727124728840211 | Both Local and Remote                                                                                                        | Maximum tracked custom signal exceeded | information | ng-waf |
| CEF                                |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    | cn1=\$max_tracked_custom_signal:%d: cn1Label=Maximum tracked custom signal cs1=\$signal_name:%s: cs1Label=Custom signal name |                                        |             |        |
| Example                            |                    | cn1=64 cn1Label=Maximum tracked custom signal cs1=site.loginfail cs1Label=Custom signal name                                 |                                        |             |        |
| SYSLOG                             |                    |                                                                                                                              |                                        |             |        |
| Format                             |                    | Tracked custom signal exceeded the maximum number \$max_tracked_custom_signal:%d:, ignored signal:\$signal_name:%s:          |                                        |             |        |
| Example                            |                    | Tracked custom signal exceeded the maximum number 64, ignored signal:site.loginfail                                          |                                        |             |        |
| Variable                           | Type               | Value                                                                                                                        |                                        | Description |        |



|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                   |                               |        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|-------------------------------|--------|
| max_tracked_custom_signal | Integer                                                                                                                                                                                                                                                                                                                                                                                                                              | {Maximum_tracked_custom_signal} |                                   | Maximum tracked custom signal |        |
| signal_name               | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {signal_name}                   |                                   | signal name                   |        |
| request_blocked           | 909727124728840200                                                                                                                                                                                                                                                                                                                                                                                                                   | Remote only                     | HTTP request is blocked by ng-waf | error                         | ng-waf |
| CEF                       |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                   |                               |        |
| Format                    | src=\$src_v4:%s: c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$src_port:%u: cs1=\$real_src:%s: cs1Label=Real Source dst=\$dest_v4:%s: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$dst_port:%u: suser=\$uname:%s: cs2=\$attack:%s: cs2Label=Attack Type cs3=\$host:%s: cs3Label=Hostname cs4=\$uri:%s: cs4Label=URI cs5=\$session_id:%s: cs5Label=Session ID cs6=\$redirected_url:%s: cs6Label=Redirected URL |                                 |                                   |                               |        |
| Example                   | src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=0 cs1=1.1.1.1 cs1Label=Real Source dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Destination IPv6 Address dpt=0 suser=John cs2=SQLi cs2Label=Attack Type cs3=www.abc.com cs3Label=Hostname cs4=path/page1.htm?cs4Label=URI query=abc cs5=65530452f3df95b9a8d9414c cs5Label=Session ID cs6=www.abc.com cs6Label=Redirected URL                                                  |                                 |                                   |                               |        |
| SYSLOG                    |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                   |                               |        |
| Format                    | request blocked by ng-waf for SIP \$src_v4:%s: SIP \$src_v6:%s: SPort \$src_port:%u: RealSource \$real_src:%s: DIP \$dest_v4:%s: DIP \$dest_v6:%s: DPort \$dest_port:%u: UserName \$uname:%s: Attack \$attack:%s: Hostname \$host:%s: URI \$uri:%s: SessionID \$session_id:%s: RedirectedURL \$redirected_url:%s:                                                                                                                    |                                 |                                   |                               |        |
| Example                   | request blocked by ng-waf for SIP 1.1.1.1 SIP 1111::1111 SPort 0 RealSource 1.1.1.1 DIP 2.2.2.2 DIP 2222::2222 DPort 0 UserName John Attack SQLi Hostname www.abc.com URI path/page1.htm?query=abc SessionID 65530452f3df95b9a8d9414c RedirectedURL www.abc.com                                                                                                                                                                      |                                 |                                   |                               |        |
| Variable                  | Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Value                           |                                   | Description                   |        |
| src_v4                    | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {src_ip}                        |                                   | src_ip                        |        |
| src_v6                    | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_IPv6_address}           |                                   | source IPv6 address           |        |
| src_port                  | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                         |                                   | src_port                      |        |
| real_src                  | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {RealSource}                    |                                   | RealSource                    |        |
| dest_v4                   | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {dst_ip}                        |                                   | dst_ip                        |        |
| dest_v6                   | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_IPv6_address}      |                                   | destination IPv6 address      |        |
| dst_port                  | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                         |                                   | dst_port                      |        |
| uname                     | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {username}                      |                                   | username                      |        |
| attack                    | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {Attack_type}                   |                                   | Attack type                   |        |
| host                      | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {host}                          |                                   | host                          |        |
| uri                       | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {uri}                           |                                   | uri                           |        |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                                  |                          |        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|--------------------------|--------|
| session_id     | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {SessionID}                |                                  | SessionID                |        |
| redirected_url | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {RedirectedURL}            |                                  | RedirectedURL            |        |
| dest_port      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                    |                                  | port                     |        |
| request_marked | 909727124728840210                                                                                                                                                                                                                                                                                                                                                                                                                   | Remote only                | HTTP request is marked by ng-waf | error                    | ng-waf |
| CEF            |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                                  |                          |        |
| Format         | src=\$src_v4:%s: c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$src_port:%u: cs1=\$real_src:%s: cs1Label=Real Source dst=\$dest_v4:%s: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$dst_port:%u: suser=\$uname:%s: cs2=\$attack:%s: cs2Label=Attack Type cs3=\$host:%s: cs3Label=Hostname cs4=\$uri:%s: cs4Label=URI cs5=\$session_id:%s: cs5Label=Session ID cs6=\$redirected_url:%s: cs6Label=Redirected URL |                            |                                  |                          |        |
| Example        | src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=0 cs1=1.1.1.1 cs1Label=Real Source dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Destination IPv6 Address dpt=0 suser=John cs2=SQLi cs2Label=Attack Type cs3=www.abc.com cs3Label=Hostname cs4=path/page1.htm?cs4Label=URI query=abc cs5=65530452f3df95b9a8d9414c cs5Label=Session ID cs6=www.abc.com cs6Label=Redirected URL                                                  |                            |                                  |                          |        |
| SYSLOG         |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                                  |                          |        |
| Format         | request marked by ng-waf for SIP \$src_v4:%s: SIP \$src_v6:%s: SPort \$src_port:%u: RealSource \$real_src:%s: DIP \$dest_v4:%s: DIP \$dest_v6:%s: DPort \$dest_port:%u: UserName \$uname:%s: Attack \$attack:%s: Hostname \$host:%s: URI \$uri:%s: SessionID \$session_id:%s: RedirectedURL \$redirected_url:%s:                                                                                                                     |                            |                                  |                          |        |
| Example        | request marked by ng-waf for SIP 1.1.1.1 SIP 1111::1111 SPort 0 RealSource 1.1.1.1 DIP 2.2.2.2 DIP 2222::2222 DPort 0 UserName John Attack SQLi Hostname www.abc.com URI path/page1.htm?query=abc SessionID 65530452f3df95b9a8d9414c RedirectedURL www.abc.com                                                                                                                                                                       |                            |                                  |                          |        |
| Variable       | Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Value                      |                                  | Description              |        |
| src_v4         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {src_ip}                   |                                  | src_ip                   |        |
| src_v6         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_IPv6_address}      |                                  | source IPv6 address      |        |
| src_port       | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                    |                                  | src_port                 |        |
| real_src       | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {RealSource}               |                                  | RealSource               |        |
| dest_v4        | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {dst_ip}                   |                                  | dst_ip                   |        |
| dest_v6        | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_IPv6_address} |                                  | destination IPv6 address |        |
| dst_port       | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                    |                                  | dst_port                 |        |
| uname          | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {username}                 |                                  | username                 |        |
| attack         | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {Attack_type}              |                                  | Attack type              |        |
| host           | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {host}                     |                                  | host                     |        |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                                      |                          |        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------|--------------------------|--------|
| uri                | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {uri}                      | uri                                  |                          |        |
| session_id         | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {SessionID}                | SessionID                            |                          |        |
| redirected_url     | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {RedirectedURL}            | RedirectedURL                        |                          |        |
| dest_port          | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                    | port                                 |                          |        |
| request_redirected | 909727124728840213                                                                                                                                                                                                                                                                                                                                                                                                                   | Remote only                | HTTP request is redirected by ng-waf | error                    | ng-waf |
| CEF                |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                                      |                          |        |
| Format             | src=\$src_v4:%s: c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$src_port:%u: cs1=\$real_src:%s: cs1Label=Real Source dst=\$dest_v4:%s: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$dst_port:%u: suser=\$uname:%s: cs2=\$attack:%s: cs2Label=Attack Type cs3=\$host:%s: cs3Label=Hostname cs4=\$uri:%s: cs4Label=URI cs5=\$session_id:%s: cs5Label=Session ID cs6=\$redirected_url:%s: cs6Label=Redirected URL |                            |                                      |                          |        |
| Example            | src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=0 cs1=1.1.1.1 cs1Label=Real Source dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Destination IPv6 Address dpt=0 suser=John cs2=SQLi cs2Label=Attack Type cs3=www.abc.com cs3Label=Hostname cs4=path/page1.htm?cs4Label=URI query=abc cs5=65530452f3df95b9a8d9414c cs5Label=Session ID cs6=www.abc.com cs6Label=Redirected URL                                                  |                            |                                      |                          |        |
| SYSLOG             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                                      |                          |        |
| Format             | request redirected by ng-waf for SIP \$src_v4:%s: SIP \$src_v6:%s: SPort \$src_port:%u: RealSource \$real_src:%s: DIP \$dest_v4:%s: DIP \$dest_v6:%s: DPort \$dest_port:%u: UserName \$uname:%s: Attack \$attack:%s: Hostname \$host:%s: URI \$uri:%s: SessionID \$session_id:%s: RedirectedURL \$redirected_url:%s:                                                                                                                 |                            |                                      |                          |        |
| Example            | request redirected by ng-waf for SIP 1.1.1.1 SIP 1111::1111 SPort 0 RealSource 1.1.1.1 DIP 2.2.2.2 DIP 2222::2222 DPort 0 UserName John Attack SQLi Hostname www.abc.com URI path/page1.htm?query=abc SessionID 65530452f3df95b9a8d9414c RedirectedURL www.abc.com                                                                                                                                                                   |                            |                                      |                          |        |
| Variable           | Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Value                      |                                      | Description              |        |
| src_v4             | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {src_ip}                   |                                      | src_ip                   |        |
| src_v6             | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {source_IPv6_address}      |                                      | source IPv6 address      |        |
| src_port           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                    |                                      | src_port                 |        |
| real_src           | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {RealSource}               |                                      | RealSource               |        |
| dest_v4            | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {dst_ip}                   |                                      | dst_ip                   |        |
| dest_v6            | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                        | {destination_IPv6_address} |                                      | destination IPv6 address |        |
| dst_port           | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-65535                    |                                      | dst_port                 |        |
| uname              | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {username}                 |                                      | username                 |        |
| attack             | String                                                                                                                                                                                                                                                                                                                                                                                                                               | {Attack_type}              |                                      | Attack type              |        |

|                  |                                                                                    |                       |                                    |                |        |
|------------------|------------------------------------------------------------------------------------|-----------------------|------------------------------------|----------------|--------|
| host             | String                                                                             | {host}                | host                               |                |        |
| uri              | String                                                                             | {uri}                 | uri                                |                |        |
| session_id       | String                                                                             | {SessionID}           | SessionID                          |                |        |
| redirected_url   | String                                                                             | {RedirectedURL}       | RedirectedURL                      |                |        |
| dest_port        | Unsigned Integer                                                                   | 0-65535               | port                               |                |        |
| restart_req_fail | 909727124728840202                                                                 | Both Local and Remote | NGWAF restart request send failed  | error          | ng-waf |
| CEF              |                                                                                    |                       |                                    |                |        |
| Format           | cs1=\$part_name:%s: cs1Label=Partition Name cn1=\$vnp_id:%d: cn1Label=Partition ID |                       |                                    |                |        |
| Example          | cs1=first cs1Label=Partition Name cn1=1 cn1Label=Partition ID                      |                       |                                    |                |        |
| SYSLOG           |                                                                                    |                       |                                    |                |        |
| Format           | request to restart ngwaf in partition \$part_name:%s:(ID=\$vnp_id:%d:) send failed |                       |                                    |                |        |
| Example          | request to restart ngwaf in partition first(ID=1) send failed                      |                       |                                    |                |        |
| Variable         | Type                                                                               | Value                 |                                    | Description    |        |
| part_name        | String                                                                             | {Partition_Name}      |                                    | Partition Name |        |
| vnp_id           | Integer                                                                            | {Partition_ID}        |                                    | Partition ID   |        |
| restart_req_sent | 909727124728840201                                                                 | Both Local and Remote | NGWAF restart request sent success | information    | ng-waf |
| CEF              |                                                                                    |                       |                                    |                |        |
| Format           | partName=\$part_name:%s: partId=\$vnp_id:%d:                                       |                       |                                    |                |        |
| Example          | partName=first partId=1                                                            |                       |                                    |                |        |
| SYSLOG           |                                                                                    |                       |                                    |                |        |
| Format           | request to restart ngwaf in partition \$part_name:%s:(ID=\$vnp_id:%d:) sent        |                       |                                    |                |        |
| Example          | request to restart ngwaf in partition first(ID=1) sent                             |                       |                                    |                |        |
| Variable         | Type                                                                               | Value                 |                                    | Description    |        |
| part_name        | String                                                                             | {Partition_Name}      |                                    | Partition Name |        |
| vnp_id           | Integer                                                                            | {Partition_ID}        |                                    | Partition ID   |        |
|                  |                                                                                    |                       |                                    |                |        |

|                      |                                                                        |                       |                           |                   |              |
|----------------------|------------------------------------------------------------------------|-----------------------|---------------------------|-------------------|--------------|
| set_server_info      | 909727124728840214                                                     | Both Local and Remote | update NGWAF server info  | information       | ng-waf       |
| SYSLOG               |                                                                        |                       |                           |                   |              |
| Format               | Set NGWAF server info: "\$server_info:%s:"                             |                       |                           |                   |              |
| Example              | Set NGWAF server info: "info"                                          |                       |                           |                   |              |
| Variable             | Type                                                                   | Value                 |                           | Description       |              |
| server_info          | String                                                                 | {ngwaf_server_info}   |                           | ngwaf server info |              |
| vport_limit_exceeded | 909727124728840199                                                     | Both Local and Remote | NGWAF vport limit reached | error             | ng-waf       |
| CEF                  |                                                                        |                       |                           |                   |              |
| Format               | cnt=\$vport_count:%u:                                                  |                       |                           |                   |              |
| Example              | cnt=63                                                                 |                       |                           |                   |              |
| SYSLOG               |                                                                        |                       |                           |                   |              |
| Format               | limit of max vports \$vport_count:%u: configurable with ngwaf exceeded |                       |                           |                   |              |
| Example              | limit of max vports 63 configurable with ngwaf exceeded                |                       |                           |                   |              |
| Variable             | Type                                                                   | Value                 |                           | Description       |              |
| vport_count          | Unsigned Integer                                                       | {vport_count}         |                           | vport_count       |              |
| status-info          | 324259173170675713                                                     | Both Local and Remote | no ntp server defined     | information       | ntp          |
| SYSLOG               |                                                                        |                       |                           |                   |              |
| Format               | No NTP server defined. \$status:%s: time source to hardware calendar   |                       |                           |                   |              |
| Example              | No NTP server defined. setting time source to hardware calendar        |                       |                           |                   |              |
| Variable             | Type                                                                   | Value                 |                           | Description       |              |
| status               | String                                                                 | {more_info}           |                           | more info         |              |
| notif                | 900719925474099201                                                     | Both Local and Remote | offload-cpu change        | notification      | offload-cpus |
| SYSLOG               |                                                                        |                       |                           |                   |              |
| Format               | The system will run \$notice:%s:                                       |                       |                           |                   |              |

| Example        |                   | The system will run 2 offload cpu                    |                                           |                |           |
|----------------|-------------------|------------------------------------------------------|-------------------------------------------|----------------|-----------|
| Variable       | Type              | Value                                                |                                           | Description    |           |
| notice         | String            | {more_info}                                          |                                           | more info      |           |
| creation-info  | 27021597764222982 | Both Local and Remote                                | Information related to partition creation | information    | partition |
| CEF            |                   |                                                      |                                           |                |           |
| Format         |                   | partName=\$pname:%s: partId=\$pid:%u:                |                                           |                |           |
| Example        |                   | partName=shared partId=1                             |                                           |                |           |
| SYSLOG         |                   |                                                      |                                           |                |           |
| Format         |                   | Partition \$pname:%s: (id \$pid:%u:) created.        |                                           |                |           |
| Example        |                   | Partition shared (id 1) created.                     |                                           |                |           |
| Variable       | Type              | Value                                                |                                           | Description    |           |
| pname          | String            | {partition_name}                                     |                                           | partition name |           |
| pid            | Unsigned Integer  | 1-127                                                |                                           | partition id   |           |
| creation_error | 27021597764222977 | Both Local and Remote                                | Error on creating partition               | error          | partition |
| CEF            |                   |                                                      |                                           |                |           |
| Format         |                   | partName=\$pname:%s: partId=\$pid:%u:                |                                           |                |           |
| Example        |                   | partName=shared partId=1                             |                                           |                |           |
| SYSLOG         |                   |                                                      |                                           |                |           |
| Format         |                   | Partition \$pname:%s: (id \$pid:%u:) creation failed |                                           |                |           |
| Example        |                   | Partition shared (id 1) creation failed              |                                           |                |           |
| Variable       | Type              | Value                                                |                                           | Description    |           |
| pname          | String            | {partition_name}                                     |                                           | partition name |           |
| pid            | Unsigned Integer  | 1-127                                                |                                           | partition id   |           |
| deletion-info  | 27021597764222983 | Both Local and Remote                                | Information related to partition deletion | information    | partition |
| CEF            |                   |                                                      |                                           |                |           |

|                  |                   |                                                                                 |                             |                |           |
|------------------|-------------------|---------------------------------------------------------------------------------|-----------------------------|----------------|-----------|
| Format           |                   | partName=\$pname:%s: partId=\$pid:%u:                                           |                             |                |           |
| Example          |                   | partName=shared partId=1                                                        |                             |                |           |
| SYSLOG           |                   |                                                                                 |                             |                |           |
| Format           |                   | Partition \$pname:%s: (id \$pid:%u:) removed from running-config                |                             |                |           |
| Example          |                   | Partition shared (id 1) removed from running-config                             |                             |                |           |
| Variable         | Type              | Value                                                                           |                             | Description    |           |
| pname            | String            | {partition_name}                                                                |                             | partition name |           |
| pid              | Unsigned Integer  | 1-127                                                                           |                             | partition id   |           |
| deletion_error   | 27021597764222980 | Both Local and Remote                                                           | Error on deleting partition | error          | partition |
| CEF              |                   |                                                                                 |                             |                |           |
| Format           |                   | partName=\$pname:%s: partId=\$pid:%u:                                           |                             |                |           |
| Example          |                   | partName=shared partId=1                                                        |                             |                |           |
| SYSLOG           |                   |                                                                                 |                             |                |           |
| Format           |                   | Partition \$pname:%s: (id \$pid:%u:) deletion failed                            |                             |                |           |
| Example          |                   | Partition shared (id 1) deletion failed                                         |                             |                |           |
| Variable         | Type              | Value                                                                           |                             | Description    |           |
| pname            | String            | {partition_name}                                                                |                             | partition name |           |
| pid              | Unsigned Integer  | 1-127                                                                           |                             | partition id   |           |
| deletion_failure | 27021597764222981 | Both Local and Remote                                                           | Error on deleting partition | error          | partition |
| CEF              |                   |                                                                                 |                             |                |           |
| Format           |                   | partName=\$pname:%s: partId=\$pid:%u: reason=\$error_str:%s:                    |                             |                |           |
| Example          |                   | partName=shared partId=1 reason=unset routing                                   |                             |                |           |
| SYSLOG           |                   |                                                                                 |                             |                |           |
| Format           |                   | Partition \$pname:%s: (id \$pid:%u:) deletion failed. Failed to \$error_str:%s: |                             |                |           |
| Example          |                   | Partition shared (id 1) deletion failed. Failed to unset routing                |                             |                |           |
|                  |                   |                                                                                 |                             |                |           |

| Variable          | Type                                                                                | Value                                    |                                          | Description    |           |
|-------------------|-------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|----------------|-----------|
| pname             | String                                                                              | {partition_name}                         |                                          | partition name |           |
| pid               | Unsigned Integer                                                                    | 1-127                                    |                                          | partition id   |           |
| error_str         | String                                                                              | unset routing<br>change partition status |                                          | deletion error |           |
| kernel_init_error | 27021597764222984                                                                   | Both Local and Remote                    | Error on creating partition              | error          | partition |
| CEF               |                                                                                     |                                          |                                          |                |           |
| Format            | cs1=\$err:%s: cs1Label=status code                                                  |                                          |                                          |                |           |
| Example           | cs1=permission denied cs1Label=status code                                          |                                          |                                          |                |           |
| SYSLOG            |                                                                                     |                                          |                                          |                |           |
| Format            | Failed to create partition due to kernel init failure. \$err:%s:                    |                                          |                                          |                |           |
| Example           | Failed to create partition due to kernel init failure. permission denied            |                                          |                                          |                |           |
| Variable          | Type                                                                                | Value                                    |                                          | Description    |           |
| err               | String                                                                              | {status_code}                            |                                          | status code    |           |
| load_dir_error    | 27021597764222979                                                                   | Both Local and Remote                    | Failed to load dir on creating partition | error          | partition |
| CEF               |                                                                                     |                                          |                                          |                |           |
| Format            | partName=\$pname:%s: partId=\$pid:%u: reason=\$load_app:%s:                         |                                          |                                          |                |           |
| Example           | partName=shared partId=1 reason=class-list                                          |                                          |                                          |                |           |
| SYSLOG            |                                                                                     |                                          |                                          |                |           |
| Format            | Partition \$pname:%s: (id \$pid:%u:) creation failed. Failed to load \$load_app:%s: |                                          |                                          |                |           |
| Example           | Partition shared (id 1) creation failed. Failed to load class-list                  |                                          |                                          |                |           |
| Variable          | Type                                                                                | Value                                    |                                          | Description    |           |
| pname             | String                                                                              | {partition_name}                         |                                          | partition name |           |
| pid               | Unsigned Integer                                                                    | 1-127                                    |                                          | partition id   |           |
| load_app          | String                                                                              | class-list<br>bw-list<br>aflex scripts   |                                          | loading error  |           |



default waf defs files  
xml-schema files  
wsdl files

|                    |                                                                                             |                                                 |                                                   |                       |               |
|--------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------|-----------------------|---------------|
| mapping_file_error | 27021597764222978                                                                           | Both Local and Remote                           | Mapping file error on creating partition          | error                 | partition     |
| CEF                |                                                                                             |                                                 |                                                   |                       |               |
| Format             | partName=\$pname:%s: partId=\$pid:%u: reason=\$error_str:%s:                                |                                                 |                                                   |                       |               |
| Example            | partName=shared partId=1 reason=Adding name and id                                          |                                                 |                                                   |                       |               |
| SYSLOG             |                                                                                             |                                                 |                                                   |                       |               |
| Format             | Partition \$pname:%s: (id \$pid:%u:) creation failed. Mapping file failure: \$error_str:%s: |                                                 |                                                   |                       |               |
| Example            | Partition shared (id 1) creation failed. Mapping file failure: Adding name and id           |                                                 |                                                   |                       |               |
| Variable           | Type                                                                                        | Value                                           |                                                   | Description           |               |
| pname              | String                                                                                      | {partition_name}                                |                                                   | partition name        |               |
| pid                | Unsigned Integer                                                                            | 1-127                                           |                                                   | partition id          |               |
| error_str          | String                                                                                      | Adding name and id<br>Changing status to active |                                                   | mapping error         |               |
| action             | 473071474920390662                                                                          | Both Local and Remote                           | when actions of PKI ACME-Certificate is triggered | information           | pki.acme-cert |
| CEF                |                                                                                             |                                                 |                                                   |                       |               |
| Format             | module=\$module:%s: certName=\$cert_name:%s: act=\$act:%s:                                  |                                                 |                                                   |                       |               |
| Example            | module=VPN certName=acme_cert act=registered callback                                       |                                                 |                                                   |                       |               |
| SYSLOG             |                                                                                             |                                                 |                                                   |                       |               |
| Format             | module \$module:%s: acme certificate \$cert_name:%s: \$act:%s:                              |                                                 |                                                   |                       |               |
| Example            | module VPN acme certificate acme_cert registered callback                                   |                                                 |                                                   |                       |               |
| Variable           | Type                                                                                        | Value                                           |                                                   | Description           |               |
| module             | String                                                                                      | VPN<br>SSL                                      |                                                   | module                |               |
| cert_name          | String                                                                                      | {acme_certificate_name}                         |                                                   | acme certificate name |               |
| act                | String                                                                                      | registered callback<br>callback set to NULL     |                                                   | action                |               |

|                                                                  |                                                                                      |                         |                                                         |                       |               |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------|-----------------------|---------------|
| deregistered callback<br>sending certificate update notification |                                                                                      |                         |                                                         |                       |               |
| function_acme_entry_exist_error                                  | 473071474920390665                                                                   | Both Local and Remote   | PKI ACME entry already exists for cert                  | error                 | pki.acme-cert |
| CEF                                                              |                                                                                      |                         |                                                         |                       |               |
| Format                                                           | funcName=\$func:%s: certName=\$cert_name:%s: msg=\$err:%s:                           |                         |                                                         |                       |               |
| Example                                                          | funcName=lb_acme_register_cert_entry_add certName=acme_cert msg=entry already exists |                         |                                                         |                       |               |
| SYSLOG                                                           |                                                                                      |                         |                                                         |                       |               |
| Format                                                           | \$func:%s: : ACME Certificate \$cert_name:%s: \$err:%s:                              |                         |                                                         |                       |               |
| Example                                                          | lb_acme_register_cert_entry_add : ACME Certificate acme_cert entry already exists    |                         |                                                         |                       |               |
| Variable                                                         | Type                                                                                 | Value                   |                                                         | Description           |               |
| func                                                             | String                                                                               | {error_function_name}   |                                                         | error function name   |               |
| cert_name                                                        | String                                                                               | {acme_certificate_name} |                                                         | acme certificate name |               |
| err                                                              | String                                                                               | entry already exists    |                                                         | error_message         |               |
| function_acme_entry_not_found_error                              | 473071474920390664                                                                   | Both Local and Remote   | PKI ACME entry not found for cert                       | error                 | pki.acme-cert |
| CEF                                                              |                                                                                      |                         |                                                         |                       |               |
| Format                                                           | funcName=\$func:%s: certName=\$cert_name:%s: msg=\$err:%s:                           |                         |                                                         |                       |               |
| Example                                                          | funcName=lb_acme_register_trigger_cb certName=acme_cert msg=entry not found          |                         |                                                         |                       |               |
| SYSLOG                                                           |                                                                                      |                         |                                                         |                       |               |
| Format                                                           | \$func:%s: : ACME Certificate \$cert_name:%s: \$err:%s:                              |                         |                                                         |                       |               |
| Example                                                          | lb_acme_register_trigger_cb : ACME Certificate acme_cert entry not found             |                         |                                                         |                       |               |
| Variable                                                         | Type                                                                                 | Value                   |                                                         | Description           |               |
| func                                                             | String                                                                               | {error_function_name}   |                                                         | error function name   |               |
| cert_name                                                        | String                                                                               | {acme_certificate_name} |                                                         | acme certificate name |               |
| err                                                              | String                                                                               | entry not found         |                                                         | error_message         |               |
| function_acme_in_use_error                                       | 473071474920390666                                                                   | Both Local and Remote   | PKI ACME-Certificate currently in use and delete failed | error                 | pki.acme-cert |

| CEF                              |                    |                                                                                                 |                                                  |                       |               |
|----------------------------------|--------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|---------------|
| Format                           |                    | funcName=\$func:%s: certName=\$cert_name:%s: msg=\$err:%s:                                      |                                                  |                       |               |
| Example                          |                    | funcName=lb_acme_register_cert_entry_del certName=acme_cert msg=currently in use. Delete failed |                                                  |                       |               |
| SYSLOG                           |                    |                                                                                                 |                                                  |                       |               |
| Format                           |                    | \$func:%s: : ACME Certificate \$cert_name:%s: \$err:%s:                                         |                                                  |                       |               |
| Example                          |                    | lb_acme_register_cert_entry_del : ACME Certificate acme_cert currently in use. Delete failed    |                                                  |                       |               |
| Variable                         | Type               | Value                                                                                           |                                                  | Description           |               |
| func                             | String             | {error_function_name}                                                                           |                                                  | error function name   |               |
| cert_name                        | String             | {acme_certificate_name}                                                                         |                                                  | acme certificate name |               |
| err                              | String             | currently in use. Delete failed                                                                 |                                                  | error_message         |               |
| function_acme_parse_error        | 473071474920390667 | Both Local and Remote                                                                           | PKI ACME-Certificate parse token or value failed | error                 | pki.acme-cert |
| CEF                              |                    |                                                                                                 |                                                  |                       |               |
| Format                           |                    | funcName=\$func:%s: msg=\$err:%s:                                                               |                                                  |                       |               |
| Example                          |                    | funcName=lb_acme_challenge_token_add msg=parse token or value fail                              |                                                  |                       |               |
| SYSLOG                           |                    |                                                                                                 |                                                  |                       |               |
| Format                           |                    | \$func:%s: : \$err:%s:                                                                          |                                                  |                       |               |
| Example                          |                    | lb_acme_challenge_token_add : parse token or value fail                                         |                                                  |                       |               |
| Variable                         | Type               | Value                                                                                           |                                                  | Description           |               |
| func                             | String             | {error_function_name}                                                                           |                                                  | error function name   |               |
| err                              | String             | parse token or value fail                                                                       |                                                  | error_message         |               |
| function_max_entry_reached_error | 473071474920390668 | Both Local and Remote                                                                           | Maximum number of ACME entries is reached        | error                 | pki.acme-cert |
| CEF                              |                    |                                                                                                 |                                                  |                       |               |
| Format                           |                    | funcName=\$func:%s: msg=\$err:%s:                                                               |                                                  |                       |               |
| Example                          |                    | funcName=lb_acme_register_cert_entry_add msg=Maximum number of ACME entries reached             |                                                  |                       |               |
| SYSLOG                           |                    |                                                                                                 |                                                  |                       |               |

| Format                |                    | \$func:%s: : \$err:%s:                                                   |                                                  |                       |               |
|-----------------------|--------------------|--------------------------------------------------------------------------|--------------------------------------------------|-----------------------|---------------|
| Example               |                    | lb_acme_register_cert_entry_add : Maximum number of ACME entries reached |                                                  |                       |               |
| Variable              | Type               | Value                                                                    |                                                  | Description           |               |
| func                  | String             | {error_function_name}                                                    |                                                  | error function name   |               |
| err                   | String             | Maximum number of ACME entries reached                                   |                                                  | error message         |               |
| function_memory_error | 473071474920390669 | Both Local and Remote                                                    | PKI ACME memory allocate failed                  | error                 | pki.acme-cert |
| CEF                   |                    |                                                                          |                                                  |                       |               |
| Format                |                    | funcName=\$func:%s: msg=\$err:%s:                                        |                                                  |                       |               |
| Example               |                    | funcName=lb_acme_register_cert_entry_add msg=Memory allocation error     |                                                  |                       |               |
| SYSLOG                |                    |                                                                          |                                                  |                       |               |
| Format                |                    | \$func:%s: : \$err:%s:                                                   |                                                  |                       |               |
| Example               |                    | lb_acme_register_cert_entry_add : Memory allocation error                |                                                  |                       |               |
| Variable              | Type               | Value                                                                    |                                                  | Description           |               |
| func                  | String             | {error_function_name}                                                    |                                                  | error function name   |               |
| err                   | String             | Memory allocation error                                                  |                                                  | error message         |               |
| registration          | 473071474920390661 | Both Local and Remote                                                    | PKI ACME-Certificate entry is created or deleted | information           | pki.acme-cert |
| CEF                   |                    |                                                                          |                                                  |                       |               |
| Format                |                    | act=\$act:%s: certName=\$cert_name:%s:                                   |                                                  |                       |               |
| Example               |                    | act=created certName=acme_cert                                           |                                                  |                       |               |
| SYSLOG                |                    |                                                                          |                                                  |                       |               |
| Format                |                    | ACME register entry \$act:%s: for certificate \$cert_name:%s:            |                                                  |                       |               |
| Example               |                    | ACME register entry created for certificate acme_cert                    |                                                  |                       |               |
| Variable              | Type               | Value                                                                    |                                                  | Description           |               |
| act                   | String             | created<br>deleted                                                       |                                                  | action                |               |
| cert_name             | String             | {acme_certificate_name}                                                  |                                                  | acme certificate name |               |

|                                |                                                                  |                                                                                                                 |                                                  |                           |               |
|--------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|---------------|
| token_registration             | 473071474920390663                                               | Both Local and Remote                                                                                           | PKI ACME challenge token is created              | information               | pki.acme-cert |
| CEF                            |                                                                  |                                                                                                                 |                                                  |                           |               |
| Format                         | act=\$act:%s: cs1=\$token:%s: cs1Label=ACME Challenge Token Name |                                                                                                                 |                                                  |                           |               |
| Example                        | act=created cs1=acme_token cs1Label=ACME Challenge Token Name    |                                                                                                                 |                                                  |                           |               |
| SYSLOG                         |                                                                  |                                                                                                                 |                                                  |                           |               |
| Format                         | ACME register entry \$act:%s: for challenge token \$token:%s:    |                                                                                                                 |                                                  |                           |               |
| Example                        | ACME register entry created for challenge token acme_token       |                                                                                                                 |                                                  |                           |               |
| Variable                       | Type                                                             | Value                                                                                                           |                                                  | Description               |               |
| act                            | String                                                           | created                                                                                                         |                                                  | action                    |               |
| token                          | String                                                           | {acme_challenge_token_name}                                                                                     |                                                  | acme challenge token name |               |
| action                         | 473053882734346246                                               | Both Local and Remote                                                                                           | when actions of PKI CMP-Certificate is triggered | information               | pki.cmp-cert  |
| CEF                            |                                                                  |                                                                                                                 |                                                  |                           |               |
| Format                         | module=\$module:%s: certName=\$cert_name:%s: act=\$act:%s:       |                                                                                                                 |                                                  |                           |               |
| Example                        | module=VPN certName=cmp_cert act=registered callback             |                                                                                                                 |                                                  |                           |               |
| SYSLOG                         |                                                                  |                                                                                                                 |                                                  |                           |               |
| Format                         | module \$module:%s: cmp certificate \$cert_name:%s: \$act:%s:    |                                                                                                                 |                                                  |                           |               |
| Example                        | module VPN cmp certificate cmp_cert registered callback          |                                                                                                                 |                                                  |                           |               |
| Variable                       | Type                                                             | Value                                                                                                           |                                                  | Description               |               |
| module                         | String                                                           | VPN<br>SSL                                                                                                      |                                                  | module                    |               |
| cert_name                      | String                                                           | {cmp_certificate_name}                                                                                          |                                                  | cmp certificate name      |               |
| act                            | String                                                           | registered callback<br>callback set to NULL<br>deregistered callback<br>sending certificate update notification |                                                  | action                    |               |
| function_cmp_entry_exist_error | 473053882734346248                                               | Both Local and Remote                                                                                           | PKI CMP entry already exists for cert            | error                     | pki.cmp-cert  |
| CEF                            |                                                                  |                                                                                                                 |                                                  |                           |               |

| Format                             |                    | funcName=\$func:%s: certName=\$cert_name:%s: msg=\$err:%s:                                    |                                                        |                      |              |
|------------------------------------|--------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------|--------------|
| Example                            |                    | funcName=lb_cmp_register_cert_entry_add certName=cmp_cert msg=entry already exists            |                                                        |                      |              |
| SYSLOG                             |                    |                                                                                               |                                                        |                      |              |
| Format                             |                    | \$func:%s: : CMP Certificate \$cert_name:%s: \$err:%s:                                        |                                                        |                      |              |
| Example                            |                    | lb_cmp_register_cert_entry_add : CMP Certificate cmp_cert entry already exists                |                                                        |                      |              |
| Variable                           | Type               | Value                                                                                         |                                                        | Description          |              |
| func                               | String             | {error_function_name}                                                                         |                                                        | error function name  |              |
| cert_name                          | String             | {cmp_certificate_name}                                                                        |                                                        | cmp certificate name |              |
| err                                | String             | entry already exists                                                                          |                                                        | error_message        |              |
| function_cmp_entry_not_found_error | 473053882734346247 | Both Local and Remote                                                                         | PKI CMP entry not found for cert                       | error                | pki.cmp-cert |
| CEF                                |                    |                                                                                               |                                                        |                      |              |
| Format                             |                    | funcName=\$func:%s: certName=\$cert_name:%s: msg=\$err:%s:                                    |                                                        |                      |              |
| Example                            |                    | funcName=lb_cmp_register_trigger_cb certName=cmp_cert msg=entry not found                     |                                                        |                      |              |
| SYSLOG                             |                    |                                                                                               |                                                        |                      |              |
| Format                             |                    | \$func:%s: : CMP Certificate \$cert_name:%s: \$err:%s:                                        |                                                        |                      |              |
| Example                            |                    | lb_cmp_register_trigger_cb : CMP Certificate cmp_cert entry not found                         |                                                        |                      |              |
| Variable                           | Type               | Value                                                                                         |                                                        | Description          |              |
| func                               | String             | {error_function_name}                                                                         |                                                        | error function name  |              |
| cert_name                          | String             | {cmp_certificate_name}                                                                        |                                                        | cmp certificate name |              |
| err                                | String             | entry not found                                                                               |                                                        | error_message        |              |
| function_cmp_in_use_error          | 473053882734346249 | Both Local and Remote                                                                         | PKI CMP-Certificate currently in use and delete failed | error                | pki.cmp-cert |
| CEF                                |                    |                                                                                               |                                                        |                      |              |
| Format                             |                    | funcName=\$func:%s: certName=\$cert_name:%s: msg=\$err:%s:                                    |                                                        |                      |              |
| Example                            |                    | funcName=lb_cmp_register_cert_entry_del certName=cmp_cert msg=currently in use. Delete failed |                                                        |                      |              |
| SYSLOG                             |                    |                                                                                               |                                                        |                      |              |

| Format                           |                    | \$func:%s: : CMP Certificate \$cert_name:%s: \$err:%s:                                    |                                          |                      |              |
|----------------------------------|--------------------|-------------------------------------------------------------------------------------------|------------------------------------------|----------------------|--------------|
| Example                          |                    | lb_cmp_register_cert_entry_del : CMP Certificate cmp_cert currently in use. Delete failed |                                          |                      |              |
| Variable                         | Type               | Value                                                                                     |                                          | Description          |              |
| func                             | String             | {error_function_name}                                                                     |                                          | error function name  |              |
| cert_name                        | String             | {cmp_certificate_name}                                                                    |                                          | cmp certificate name |              |
| err                              | String             | currently in use. Delete failed                                                           |                                          | error_message        |              |
| function_max_entry_reached_error | 473053882734346250 | Both Local and Remote                                                                     | Maximum number of CMP entries is reached | error                | pki.cmp-cert |
| CEF                              |                    |                                                                                           |                                          |                      |              |
| Format                           |                    | funcName=\$func:%s: msg=\$err:%s:                                                         |                                          |                      |              |
| Example                          |                    | funcName=lb_cmp_register_cert_entry_add msg=Maximum number of CMP entries reached         |                                          |                      |              |
| SYSLOG                           |                    |                                                                                           |                                          |                      |              |
| Format                           |                    | \$func:%s: : \$err:%s:                                                                    |                                          |                      |              |
| Example                          |                    | lb_cmp_register_cert_entry_add : Maximum number of CMP entries reached                    |                                          |                      |              |
| Variable                         | Type               | Value                                                                                     |                                          | Description          |              |
| func                             | String             | {error_function_name}                                                                     |                                          | error function name  |              |
| err                              | String             | Maximum number of CMP entries reached                                                     |                                          | error message        |              |
| function_memory_error            | 473053882734346251 | Both Local and Remote                                                                     | PKI CMP memory allocate failed           | error                | pki.cmp-cert |
| CEF                              |                    |                                                                                           |                                          |                      |              |
| Format                           |                    | funcName=\$func:%s: msg=\$err:%s:                                                         |                                          |                      |              |
| Example                          |                    | funcName=lb_cmp_register_cert_entry_add msg=Memory allocation error                       |                                          |                      |              |
| SYSLOG                           |                    |                                                                                           |                                          |                      |              |
| Format                           |                    | \$func:%s: : \$err:%s:                                                                    |                                          |                      |              |
| Example                          |                    | lb_cmp_register_cert_entry_add : Memory allocation error                                  |                                          |                      |              |
| Variable                         | Type               | Value                                                                                     |                                          | Description          |              |
| func                             | String             | {error_function_name}                                                                     |                                          | error function name  |              |

|                |                                                                                                                           |                                                                                                                 |                                                   |                       |               |
|----------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------|---------------|
| err            | String                                                                                                                    | Memory allocation error                                                                                         |                                                   | error message         |               |
| registration   | 473053882734346245                                                                                                        | Both Local and Remote                                                                                           | PKI CMP-Certificate entry is created or deleted   | information           | pki.cmp-cert  |
| CEF            |                                                                                                                           |                                                                                                                 |                                                   |                       |               |
| Format         | act=\$act:%s: certName=\$cert_name:%s:                                                                                    |                                                                                                                 |                                                   |                       |               |
| Example        | act=created certName=cmp_cert                                                                                             |                                                                                                                 |                                                   |                       |               |
| SYSLOG         |                                                                                                                           |                                                                                                                 |                                                   |                       |               |
| Format         | CMP register entry \$act:%s: for certificate \$cert_name:%s:                                                              |                                                                                                                 |                                                   |                       |               |
| Example        | CMP register entry created for certificate cmp_cert                                                                       |                                                                                                                 |                                                   |                       |               |
| Variable       | Type                                                                                                                      | Value                                                                                                           |                                                   | Description           |               |
| act            | String                                                                                                                    | created<br>deleted                                                                                              |                                                   | action                |               |
| cert_name      | String                                                                                                                    | {cmp_certificate_name}                                                                                          |                                                   | cmp certificate name  |               |
| action         | 472895553059946500                                                                                                        | Both Local and Remote                                                                                           | when actions of PKI SCEP-Certificate is triggered | information           | pki.scep-cert |
| CEF            |                                                                                                                           |                                                                                                                 |                                                   |                       |               |
| Format         | cs1=\$module:%s: cs1Label=Module cs2=\$scep_cert_name:%s: cs2Label=SCEP Certificate Name cs3=\$action:%s: cs3Label=Action |                                                                                                                 |                                                   |                       |               |
| Example        | cs1=VPN cs1Label=Module cs2=scep_cert cs2Label=SCEP Certificate Name cs3=registered callback cs3Label=Action              |                                                                                                                 |                                                   |                       |               |
| SYSLOG         |                                                                                                                           |                                                                                                                 |                                                   |                       |               |
| Format         | module \$module:%s: scep certificate \$scep_cert_name:%s: \$action:%s:                                                    |                                                                                                                 |                                                   |                       |               |
| Example        | module VPN scep certificate scep_cert registered callback                                                                 |                                                                                                                 |                                                   |                       |               |
| Variable       | Type                                                                                                                      | Value                                                                                                           |                                                   | Description           |               |
| module         | String                                                                                                                    | VPN<br>SSL                                                                                                      |                                                   | module                |               |
| scep_cert_name | String                                                                                                                    | {scep_certificate_name}                                                                                         |                                                   | scep certificate name |               |
| action         | String                                                                                                                    | registered callback<br>callback set to NULL<br>deregistered callback<br>sending certificate update notification |                                                   | action                |               |
|                |                                                                                                                           | Both Local and                                                                                                  | Maximum number of SCEP                            |                       |               |



|                                  |                                                                                                                                                      |                                        |                                        |                     |               |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|---------------------|---------------|
| function_max_entry_reached_error | 472895553059946504                                                                                                                                   | Remote                                 | entries is reached                     | error               | pki.scep-cert |
| CEF                              |                                                                                                                                                      |                                        |                                        |                     |               |
| Format                           | cs1=\$function_name:%s: cs1Label=Function Name cs2=\$error_msg:%s: cs2Label=Error Message                                                            |                                        |                                        |                     |               |
| Example                          | cs1=scep_register_cert_entry_add cs1Label=Function Name cs2=Maximum number of SCEP entries reached cs2Label=Error Message                            |                                        |                                        |                     |               |
| SYSLOG                           |                                                                                                                                                      |                                        |                                        |                     |               |
| Format                           | \$function_name:%s: : \$error_msg:%s:                                                                                                                |                                        |                                        |                     |               |
| Example                          | scep_register_cert_entry_add : Maximum number of SCEP entries reached                                                                                |                                        |                                        |                     |               |
| Variable                         | Type                                                                                                                                                 | Value                                  |                                        | Description         |               |
| function_name                    | String                                                                                                                                               | {error_function_name}                  |                                        | error function name |               |
| error_msg                        | String                                                                                                                                               | Maximum number of SCEP entries reached |                                        | error message       |               |
| function_memory_error            | 472895553059946505                                                                                                                                   | Both Local and Remote                  | PKI SCEP memory allocate failed        | error               | pki.scep-cert |
| CEF                              |                                                                                                                                                      |                                        |                                        |                     |               |
| Format                           | cs1=\$function_name:%s: cs1Label=Function Name cs2=\$error_msg:%s: cs2Label=Error Message                                                            |                                        |                                        |                     |               |
| Example                          | cs1=scep_register_cert_entry_add cs1Label=Function Name cs2=Memory allocation error cs2Label=Error Message                                           |                                        |                                        |                     |               |
| SYSLOG                           |                                                                                                                                                      |                                        |                                        |                     |               |
| Format                           | \$function_name:%s: : \$error_msg:%s:                                                                                                                |                                        |                                        |                     |               |
| Example                          | scep_register_cert_entry_add : Memory allocation error                                                                                               |                                        |                                        |                     |               |
| Variable                         | Type                                                                                                                                                 | Value                                  |                                        | Description         |               |
| function_name                    | String                                                                                                                                               | {error_function_name}                  |                                        | error function name |               |
| error_msg                        | String                                                                                                                                               | Memory allocation error                |                                        | error message       |               |
| function_scep_entry_exist_error  | 472895553059946502                                                                                                                                   | Both Local and Remote                  | PKI SCEP entry already exists for cert | error               | pki.scep-cert |
| CEF                              |                                                                                                                                                      |                                        |                                        |                     |               |
| Format                           | cs1=\$function_name:%s: cs1Label=Function Name cs2=\$scep_cert_name:%s: cs2Label=SCEP Certificate Name cs3=\$error_msg:%s: cs3Label=Error Message    |                                        |                                        |                     |               |
| Example                          | cs1=scep_register_cert_entry_add cs1Label=Function Name cs2=scep_cert cs2Label=SCEP Certificate Name cs3=entry already exists cs3Label=Error Message |                                        |                                        |                     |               |

| SYSLOG                              |                    |                                                                                                                                                                 |                                                         |                       |               |
|-------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------|---------------|
| Format                              |                    | \$function_name:%s: : SCEP Certificate \$scep_cert_name:%s: \$error_msg:%s:                                                                                     |                                                         |                       |               |
| Example                             |                    | scep_register_cert_entry_add : SCEP Certificate scep_cert entry already exists                                                                                  |                                                         |                       |               |
| Variable                            | Type               | Value                                                                                                                                                           |                                                         | Description           |               |
| function_name                       | String             | {error_function_name}                                                                                                                                           |                                                         | error function name   |               |
| scep_cert_name                      | String             | {scep_certificate_name}                                                                                                                                         |                                                         | scep certificate name |               |
| error_msg                           | String             | entry already exists                                                                                                                                            |                                                         | error_message         |               |
| function_scep_entry_not_found_error | 472895553059946501 | Both Local and Remote                                                                                                                                           | PKI SCEP entry not found for cert                       | error                 | pki.scep-cert |
| CEF                                 |                    |                                                                                                                                                                 |                                                         |                       |               |
| Format                              |                    | cs1=\$function_name:%s: cs1Label=Function Name cs2=\$scep_cert_name:%s: cs2Label=SCEP Certificate Name cs3=\$error_msg:%s: cs3Label=Error Message               |                                                         |                       |               |
| Example                             |                    | cs1=scep_register_trigger_cb cs1Label=Function Name cs2=scep_cert cs2Label=SCEP Certificate Name cs3=entry not found cs3Label=Error Message                     |                                                         |                       |               |
| SYSLOG                              |                    |                                                                                                                                                                 |                                                         |                       |               |
| Format                              |                    | \$function_name:%s: : SCEP Certificate \$scep_cert_name:%s: \$error_msg:%s:                                                                                     |                                                         |                       |               |
| Example                             |                    | scep_register_trigger_cb : SCEP Certificate scep_cert entry not found                                                                                           |                                                         |                       |               |
| Variable                            | Type               | Value                                                                                                                                                           |                                                         | Description           |               |
| function_name                       | String             | {error_function_name}                                                                                                                                           |                                                         | error function name   |               |
| scep_cert_name                      | String             | {scep_certificate_name}                                                                                                                                         |                                                         | scep certificate name |               |
| error_msg                           | String             | entry not found                                                                                                                                                 |                                                         | error_message         |               |
| function_scep_in_use_error          | 472895553059946503 | Both Local and Remote                                                                                                                                           | PKI SCEP-Certificate currently in use and delete failed | error                 | pki.scep-cert |
| CEF                                 |                    |                                                                                                                                                                 |                                                         |                       |               |
| Format                              |                    | cs1=\$function_name:%s: cs1Label=Function Name cs2=\$scep_cert_name:%s: cs2Label=SCEP Certificate Name cs3=\$error_msg:%s: cs3Label=Error Message               |                                                         |                       |               |
| Example                             |                    | cs1=scep_register_cert_entry_del cs1Label=Function Name cs2=scep_cert cs2Label=SCEP Certificate Name cs3=currently in use. Delete failed cs3Label=Error Message |                                                         |                       |               |
| SYSLOG                              |                    |                                                                                                                                                                 |                                                         |                       |               |

|                  |                    |                                                                                           |                                                  |                       |                 |
|------------------|--------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|-----------------|
| Format           |                    | \$function_name:%s: : SCEP Certificate \$scep_cert_name:%s: \$error_msg:%s:               |                                                  |                       |                 |
| Example          |                    | scep_register_cert_entry_del : SCEP Certificate scep_cert currently in use. Delete failed |                                                  |                       |                 |
| Variable         | Type               | Value                                                                                     |                                                  | Description           |                 |
| function_name    | String             | {error_function_name}                                                                     |                                                  | error function name   |                 |
| scep_cert_name   | String             | {scep_certificate_name}                                                                   |                                                  | scep certificate name |                 |
| error_msg        | String             | currently in use. Delete failed                                                           |                                                  | error_message         |                 |
| registration     | 472895553059946497 | Both Local and Remote                                                                     | PKI SCEP-Certificate entry is created or deleted | information           | pki.scep-cert   |
| CEF              |                    |                                                                                           |                                                  |                       |                 |
| Format           |                    | cs1=\$action:%s: cs1Label=Action cs2=\$scep_cert_name:%s: cs2Label=SCEP Certificate Name  |                                                  |                       |                 |
| Example          |                    | cs1=created cs1Label=Action cs2=scep_cert cs2Label=SCEP Certificate Name                  |                                                  |                       |                 |
| SYSLOG           |                    |                                                                                           |                                                  |                       |                 |
| Format           |                    | SCEP register entry \$action:%s: for certificate \$scep_cert_name:%s:                     |                                                  |                       |                 |
| Example          |                    | SCEP register entry created for certificate scep_cert                                     |                                                  |                       |                 |
| Variable         | Type               | Value                                                                                     |                                                  | Description           |                 |
| action           | String             | created<br>deleted                                                                        |                                                  | action                |                 |
| scep_cert_name   | String             | {scep_certificate_name}                                                                   |                                                  | scep certificate name |                 |
| XAUI-link-status | 716072340751908868 | Both Local and Remote                                                                     | XAUI link status                                 | information           | plat-buff-stats |
| SYSLOG           |                    |                                                                                           |                                                  |                       |                 |
| Format           |                    | FPGA \$id:%d: XAUI link status 0x\$status:%s: ... restarting.                             |                                                  |                       |                 |
| Example          |                    | FPGA 1 XAUI link status 0xffff ... restarting.                                            |                                                  |                       |                 |
| Variable         | Type               | Value                                                                                     |                                                  | Description           |                 |
| id               | Integer            | {fpga_id}                                                                                 |                                                  | fpga id               |                 |
| status           | String             | {status_code}                                                                             |                                                  | status code           |                 |
| alloc-fail       | 716072340751908872 | Both Local and Remote                                                                     | Unable to allocate                               | error                 | plat-buff-stats |
|                  |                    |                                                                                           |                                                  |                       |                 |

| <b>SYSLOG</b>   |                                                                            |                       |                                                              |             |                 |
|-----------------|----------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------|-------------|-----------------|
| Format          | Unable to allocate \$info:%s:                                              |                       |                                                              |             |                 |
| Example         | Unable to allocate swa_alloc_ring                                          |                       |                                                              |             |                 |
| Variable        | Type                                                                       | Value                 |                                                              | Description |                 |
| info            | String                                                                     | {more_info}           |                                                              | more info   |                 |
| core-crc-action | 716072340751908875                                                         | Both Local and Remote | System is going to rreboot due to Core CRC Error detection.. | emergency   | plat-buff-stats |
| <b>SYSLOG</b>   |                                                                            |                       |                                                              |             |                 |
| Format          | System is going to restart                                                 |                       |                                                              |             |                 |
| core-crc-err    | 716072340751908874                                                         | Both Local and Remote | FPGA Core CRC Error                                          | error       | plat-buff-stats |
| <b>SYSLOG</b>   |                                                                            |                       |                                                              |             |                 |
| Format          | FPGA \$id:%d: Core CRC Error detected \$count:%d: times.                   |                       |                                                              |             |                 |
| Example         | FPGA 1 Core CRC Error detected 1 times.                                    |                       |                                                              |             |                 |
| Variable        | Type                                                                       | Value                 |                                                              | Description |                 |
| id              | Integer                                                                    | {fpga_id}             |                                                              | fpga id     |                 |
| count           | Integer                                                                    | {error_count}         |                                                              | error count |                 |
| csum-err        | 716072340751908873                                                         | Both Local and Remote | verify_content: wrong csum                                   | error       | plat-buff-stats |
| <b>SYSLOG</b>   |                                                                            |                       |                                                              |             |                 |
| Format          | verify_content: wrong csum \$info:%s:                                      |                       |                                                              |             |                 |
| Example         | verify_content: wrong csum udp Pkt sum 0x010 Expected 0x022 TX b_idx 0x011 |                       |                                                              |             |                 |
| Variable        | Type                                                                       | Value                 |                                                              | Description |                 |
| info            | String                                                                     | {more_info}           |                                                              | more info   |                 |
| error           | 716072340751908866                                                         | Both Local and Remote | FPGA error from backend                                      | error       | plat-buff-stats |
| <b>SYSLOG</b>   |                                                                            |                       |                                                              |             |                 |
| Format          | \$err:%s:                                                                  |                       |                                                              |             |                 |

| Example                   | unknown error message                                                                                                                                 |                         |                              |                       |                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------|-----------------------|-----------------|
| Variable                  | Type                                                                                                                                                  | Value                   |                              | Description           |                 |
| err                       | String                                                                                                                                                | {complex_error_message} |                              | complex error message |                 |
| fpga-pkt-send-perf-failed | 716072340751908876                                                                                                                                    | Both Local and Remote   | FPGA packet send perf failed | information           | plat-buff-stats |
| SYSLOG                    |                                                                                                                                                       |                         |                              |                       |                 |
| Format                    | Failed to send packet from FPGA at optimal performance. Failed to fill transmit chunk in queue \$id:%d: for buffer index 0x\$status:%s: ... training. |                         |                              |                       |                 |
| Example                   | Failed to send packet from FPGA at optimal performance. Failed to fill transmit chunk in queue 1 for buffer index 0xffff ... training.                |                         |                              |                       |                 |
| Variable                  | Type                                                                                                                                                  | Value                   |                              | Description           |                 |
| id                        | Integer                                                                                                                                               | {fpga_id}               |                              | fpga id               |                 |
| status                    | String                                                                                                                                                | {status_code}           |                              | status code           |                 |
| invalid-buf-index         | 716072340751908870                                                                                                                                    | Both Local and Remote   | buffer invalid index         | error                 | plat-buff-stats |
| SYSLOG                    |                                                                                                                                                       |                         |                              |                       |                 |
| Format                    | \$info:%s: Invalid index: 0x\$index:%s:                                                                                                               |                         |                              |                       |                 |
| Example                   | obtain buffer from FPGA Invalid index: 0xffff                                                                                                         |                         |                              |                       |                 |
| Variable                  | Type                                                                                                                                                  | Value                   |                              | Description           |                 |
| info                      | String                                                                                                                                                | {more_info}             |                              | more info             |                 |
| index                     | String                                                                                                                                                | {index}                 |                              | index                 |                 |
| map-fail                  | 716072340751908871                                                                                                                                    | Both Local and Remote   | Failed to map internal ring  | error                 | plat-buff-stats |
| SYSLOG                    |                                                                                                                                                       |                         |                              |                       |                 |
| Format                    | Failed to map internal ring \$id:%d: memory to user space                                                                                             |                         |                              |                       |                 |
| Example                   | Failed to map internal ring 1 memory to user space                                                                                                    |                         |                              |                       |                 |
| Variable                  | Type                                                                                                                                                  | Value                   |                              | Description           |                 |
| id                        | Integer                                                                                                                                               | {ring_id}               |                              | ring id               |                 |
| notice                    | 716072340751908867                                                                                                                                    | Both Local and Remote   | exceed rate limit            | notification          | plat-buff-stats |

| SYSLOG   |                    |                                                                    |                               |             |                 |
|----------|--------------------|--------------------------------------------------------------------|-------------------------------|-------------|-----------------|
| Format   |                    | Exceed the rate limit, control packets to linux dropped: \$num:%d: |                               |             |                 |
| Example  |                    | Exceed the rate limit, control packets to linux dropped: 10000     |                               |             |                 |
| Variable | Type               | Value                                                              |                               | Description |                 |
| num      | Integer            | {dropped_pkt}                                                      |                               | dropped pkt |                 |
| status   | 716072340751908865 | Both Local and Remote                                              | Failed to fill transmit chunk | information | plat-buff-stats |
| SYSLOG   |                    |                                                                    |                               |             |                 |
| Format   |                    | FPGA \$id:%d: XAUI link status 0x\$status:%s: ...training.         |                               |             |                 |
| Example  |                    | FPGA 1 XAUI link status 0xffff ...training.                        |                               |             |                 |
| Variable | Type               | Value                                                              |                               | Description |                 |
| id       | Integer            | {fpga_id}                                                          |                               | fpga id     |                 |
| status   | String             | {status_code}                                                      |                               | status code |                 |
| warning  | 166633186212708354 | Both Local and Remote                                              | Radius Role mismatch          | warning     | radius-server   |
| SYSLOG   |                    |                                                                    |                               |             |                 |
| Format   |                    | Radius Role mismatch. Expected Role: \$warn:%s:                    |                               |             |                 |
| Example  |                    | Radius Role mismatch. Expected Role: Admin                         |                               |             |                 |
| Variable | Type               | Value                                                              |                               | Description |                 |
| warn     | String             | {role_info}                                                        |                               | role info   |                 |
| fail     | 373798769071751169 | Both Local and Remote                                              | Reboot failed                 | error       | reboot          |
| SYSLOG   |                    |                                                                    |                               |             |                 |
| Format   |                    | Reboot system failure                                              |                               |             |                 |
| restart  | 373798769071751170 | Both Local and Remote                                              | System is going to restart    | emergency   | reboot          |
| SYSLOG   |                    |                                                                    |                               |             |                 |
| Format   |                    | System is going to restart                                         |                               |             |                 |
|          |                    |                                                                    |                               |             |                 |

|                 |                    |                                                                                                                                                                                                                                                              |                            |                            |            |
|-----------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|------------|
| fail-status     | 328762772798046210 | Both Local and Remote                                                                                                                                                                                                                                        | Timer thread failure       | error                      | reload     |
| SYSLOG          |                    |                                                                                                                                                                                                                                                              |                            |                            |            |
| Format          |                    | Timer thread failure                                                                                                                                                                                                                                         |                            |                            |            |
| succ            | 328762772798046211 | Both Local and Remote                                                                                                                                                                                                                                        | Reload process Success     | information                | reload     |
| SYSLOG          |                    |                                                                                                                                                                                                                                                              |                            |                            |            |
| Format          |                    | Reload process Success                                                                                                                                                                                                                                       |                            |                            |            |
| system-state    | 328762772798046209 | Both Local and Remote                                                                                                                                                                                                                                        | ACOS begin reload          | information                | reload     |
| SYSLOG          |                    |                                                                                                                                                                                                                                                              |                            |                            |            |
| Format          |                    | ACOS is beginning to reload now.                                                                                                                                                                                                                             |                            |                            |            |
| neighbor-status | 549509523283378178 | Both Local and Remote                                                                                                                                                                                                                                        | BGP neighbor status change | notification               | router.bgp |
| CEF             |                    |                                                                                                                                                                                                                                                              |                            |                            |            |
| Format          |                    | partId=\$part_id:%u: dst=\$info_str1:%s: cs1=\$info_str2:%s: cs1Label=Bracket starts cs2=\$info_str3:%s: cs2Label=Description of the peer:e:info about peer/NULL cs3=\$info_str4:%s: cs3Label=bracket string ends act=\$info_str5:%s: reason=\$info_str6:%s: |                            |                            |            |
| Example         |                    | partId=1 dst=IP(1.2.3.4) cs1=( cs1Label=Bracket starts cs2=info about peer cs2Label=Description of the peer:e:info about peer/NULL cs3=) cs3Label=bracket string ends act=Up reason=Peer change                                                              |                            |                            |            |
| SYSLOG          |                    |                                                                                                                                                                                                                                                              |                            |                            |            |
| Format          |                    | Adjacency change of BGP neighbor partId=\$part_id:%u: \$info_str1:%s: \$info_str2:%s: \$info_str3:%s: \$info_str4:%s: \$info_str5:%s: \$info_str6:%s:                                                                                                        |                            |                            |            |
| Example         |                    | Adjacency change of BGP neighbor partId=1 IP(1.2.3.4) ( info about peer ) Up Peer change                                                                                                                                                                     |                            |                            |            |
| Variable        | Type               | Value                                                                                                                                                                                                                                                        |                            | Description                |            |
| part_id         | Unsigned Integer   | 1-127                                                                                                                                                                                                                                                        |                            | partition id               |            |
| info_str1       | String             | IP(1.2.3.4)<br>?                                                                                                                                                                                                                                             |                            | IP address of BGP neighbor |            |
| info_str2       | String             | (                                                                                                                                                                                                                                                            |                            | bracket string starts      |            |
| info_str3       | String             | {Description_of_the_peer}                                                                                                                                                                                                                                    |                            | Description of the peer    |            |
| info_str4       | String             | )                                                                                                                                                                                                                                                            |                            | bracket string ends        |            |

|                        |                                                                                   |                            |                                      |                          |            |
|------------------------|-----------------------------------------------------------------------------------|----------------------------|--------------------------------------|--------------------------|------------|
| info_str5              | String                                                                            | Up<br>Down                 | Status                               |                          |            |
| info_str6              | String                                                                            | {reason_for_status_change} |                                      | reason for status change |            |
| notification           | 549509523283378180                                                                | Both Local and Remote      | BGP notification received/sent       | notification             | router.bgp |
| CEF                    |                                                                                   |                            |                                      |                          |            |
| Format                 | partId=\$part_id:%u: msg=\$info_str:%s:                                           |                            |                                      |                          |            |
| Example                | partId=1 msg=BGP log                                                              |                            |                                      |                          |            |
| SYSLOG                 |                                                                                   |                            |                                      |                          |            |
| Format                 | partId=\$part_id:%u: \$info_str:%s:.                                              |                            |                                      |                          |            |
| Example                | partId=1 BGP log.                                                                 |                            |                                      |                          |            |
| Variable               | Type                                                                              | Value                      |                                      | Description              |            |
| part_id                | Unsigned Integer                                                                  | 1-127                      |                                      | partition id             |            |
| info_str               | String                                                                            | {BGP_Protocol_log}         |                                      | BGP Protocol log         |            |
| prefixes-exceeded-info | 549509523283378177                                                                | Both Local and Remote      | BGP Prefixes exceeded maximum number | information              | router.bgp |
| CEF                    |                                                                                   |                            |                                      |                          |            |
| Format                 | cs1=\$prefix_type:%s: cs1Label=Prefix protocol type                               |                            |                                      |                          |            |
| Example                | cs1=IPv4 cs1Label=Prefix protocol type                                            |                            |                                      |                          |            |
| SYSLOG                 |                                                                                   |                            |                                      |                          |            |
| Format                 | Number of BGP prefixes of type \$prefix_type:%s: have exceeded the maximum limit. |                            |                                      |                          |            |
| Example                | Number of BGP prefixes of type IPv4 have exceeded the maximum limit.              |                            |                                      |                          |            |
| Variable               | Type                                                                              | Value                      |                                      | Description              |            |
| prefix_type            | String                                                                            | IPv4<br>IPv6               |                                      | Prefix protocol type     |            |
| warning                | 549509523283378179                                                                | Both Local and Remote      | BGP Protocol                         | warning                  | router.bgp |
| CEF                    |                                                                                   |                            |                                      |                          |            |
| Format                 | msg=\$info_str:%s:                                                                |                            |                                      |                          |            |



|                  |                                                                                                                                                                                                            |                       |                                                   |                  |             |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------|------------------|-------------|
| Example          | msg=BGP log                                                                                                                                                                                                |                       |                                                   |                  |             |
| SYSLOG           |                                                                                                                                                                                                            |                       |                                                   |                  |             |
| Format           | \$info_str:%s:.                                                                                                                                                                                            |                       |                                                   |                  |             |
| Example          | BGP log.                                                                                                                                                                                                   |                       |                                                   |                  |             |
| Variable         | Type                                                                                                                                                                                                       | Value                 |                                                   | Description      |             |
| info_str         | String                                                                                                                                                                                                     | {BGP_Protocol_log}    |                                                   | BGP Protocol log |             |
| interface-info   | 549544707655467009                                                                                                                                                                                         | Both Local and Remote | IS-IS interface mode changed to active or passive | information      | router.isis |
| CEF              |                                                                                                                                                                                                            |                       |                                                   |                  |             |
| Format           | Ifname=\$interface_name:%s: cs2=\$mode:%s: cs2Label=Interface mode                                                                                                                                         |                       |                                                   |                  |             |
| Example          | Ifname=ethernet 1 cs2=active cs2Label=Interface mode                                                                                                                                                       |                       |                                                   |                  |             |
| SYSLOG           |                                                                                                                                                                                                            |                       |                                                   |                  |             |
| Format           | [ISIS]: Interface \$interface_name:%s: is changed to \$mode:%s: mode.                                                                                                                                      |                       |                                                   |                  |             |
| Example          | [ISIS]: Interface ethernet 1 is changed to active mode.                                                                                                                                                    |                       |                                                   |                  |             |
| Variable         | Type                                                                                                                                                                                                       | Value                 |                                                   | Description      |             |
| interface_name   | String                                                                                                                                                                                                     | {Interface_name}      |                                                   | Interface name   |             |
| mode             | String                                                                                                                                                                                                     | active<br>passive     |                                                   | Interface mode   |             |
| nsm-state-change | 549544707655467011                                                                                                                                                                                         | Both Local and Remote | Neighbor FSM State Change                         | information      | router.isis |
| CEF              |                                                                                                                                                                                                            |                       |                                                   |                  |             |
| Format           | cs1=\$num_var:%s: cs1Label=interface details cs2=\$num_state1:%s: cs2Label=previous state details outcome=\$num_state2:%s: cn1=\$num_tag:%s: cn1Label=tag number cn2=\$num_level:%u: cn2Label=level number |                       |                                                   |                  |             |
| Example          | cs1=ethernet 1-aabb.ccdd.eeff.gghh cs1Label=interface details cs2=Neighbor Up cs2Label=previous state details outcome=Up cn1=123 cn1Label=tag number cn2=1 cn2Label=level number                           |                       |                                                   |                  |             |
| SYSLOG           |                                                                                                                                                                                                            |                       |                                                   |                  |             |
| Format           | [ISIS-ADJCHG]: \$num_var:%s: neighbor state transitioned from \$num_state1:%s: to \$num_state2:%s: with tag \$num_tag:%s: and level \$num_level:%u:.                                                       |                       |                                                   |                  |             |
| Example          | [ISIS-ADJCHG]: ethernet 1-aabb.ccdd.eeff.gghh neighbor state transitioned from Neighbor Up to Up with tag 123 and level 1.                                                                                 |                       |                                                   |                  |             |

| Variable                | Type                                                                                                                    | Value                    |                                                   | Description            |             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|------------------------|-------------|
| num_var                 | String                                                                                                                  | {interface_details}      |                                                   | interface details      |             |
| num_state1              | String                                                                                                                  | {previous_state_details} |                                                   | previous state details |             |
| num_state2              | String                                                                                                                  | Up<br>Down               |                                                   | current state          |             |
| num_tag                 | String                                                                                                                  | {tag_number}             |                                                   | tag number             |             |
| num_level               | Unsigned Integer                                                                                                        | {level_number}           |                                                   | level number           |             |
| routes-exceeded-warning | 549544707655467010                                                                                                      | Both Local and Remote    | Number of ISIS routes exceeding the system limits | warning                | router.isis |
| CEF                     |                                                                                                                         |                          |                                                   |                        |             |
| Format                  | cn1=\$prot_type:%u: cn1Label=IP protocol type cn2=\$num_route:%u: cn2Label=routes limit                                 |                          |                                                   |                        |             |
| Example                 | cn1=4 cn1Label=IP protocol type cn2=1000 cn2Label=routes limit                                                          |                          |                                                   |                        |             |
| SYSLOG                  |                                                                                                                         |                          |                                                   |                        |             |
| Format                  | [ISIS]: Number of IS-IS IPv\$prot_type:%u: routes have exceeded the limit of \$num_route:%u:, setting the overload bit. |                          |                                                   |                        |             |
| Example                 | [ISIS]: Number of IS-IS IPv4 routes have exceeded the limit of 1000, setting the overload bit.                          |                          |                                                   |                        |             |
| Variable                | Type                                                                                                                    | Value                    |                                                   | Description            |             |
| prot_type               | Unsigned Integer                                                                                                        | 4<br>6                   |                                                   | IP protocol type       |             |
| num_route               | Unsigned Integer                                                                                                        | {routes_limit}           |                                                   | routes limit           |             |
| intf-add-notif          | 549562299841511425                                                                                                      | Both Local and Remote    | Notification for interface add to trunk           | notification           | router.lacp |
| CEF                     |                                                                                                                         |                          |                                                   |                        |             |
| Format                  | Ifname=\$ifname:%s: cs1=\$agg_name:%s: cs1Label=Aggregator name                                                         |                          |                                                   |                        |             |
| Example                 | Ifname=ethernet 1 cs1=po 1 cs1Label=Aggregator name                                                                     |                          |                                                   |                        |             |
| SYSLOG                  |                                                                                                                         |                          |                                                   |                        |             |
| Format                  | Interface(s) \$ifname:%s: added to aggregator \$agg_name:%s:                                                            |                          |                                                   |                        |             |
| Example                 | Interface(s) ethernet 1 added to aggregator po 1                                                                        |                          |                                                   |                        |             |
| Variable                | Type                                                                                                                    | Value                    |                                                   | Description            |             |

|                    |                                                                                                                                              |                       |                                               |                   |             |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------|-------------------|-------------|
| ifname             | String                                                                                                                                       | {ifname}              |                                               | ifname            |             |
| agg_name           | String                                                                                                                                       | {agg_name}            |                                               | agg_name          |             |
| intf-del-notif     | 549562299841511426                                                                                                                           | Both Local and Remote | Notification for interface removal from trunk | notification      | router.lacp |
| CEF                |                                                                                                                                              |                       |                                               |                   |             |
| Format             | Ifname=\$ifname:%s: cs1=\$agg_name:%s: cs1Label=Aggregator name                                                                              |                       |                                               |                   |             |
| Example            | Ifname=ethernet 1 cs1=po 1 cs1Label=Aggregator name                                                                                          |                       |                                               |                   |             |
| SYSLOG             |                                                                                                                                              |                       |                                               |                   |             |
| Format             | Interface(s) \$ifname:%s: removed from aggregator \$agg_name:%s:                                                                             |                       |                                               |                   |             |
| Example            | Interface(s) ethernet 1 removed from aggregator po 1                                                                                         |                       |                                               |                   |             |
| Variable           | Type                                                                                                                                         | Value                 |                                               | Description       |             |
| ifname             | String                                                                                                                                       | {ifname}              |                                               | ifname            |             |
| agg_name           | String                                                                                                                                       | {agg_name}            |                                               | agg_name          |             |
| n fsm-state-change | 549527115469422602                                                                                                                           | Both Local and Remote | OSPF neighbor FSM State Change                | information       | router.ospf |
| CEF                |                                                                                                                                              |                       |                                               |                   |             |
| Format             | cs1=\$var1:%s: cs1Label=OSPF version vrid=\$var2:%u: Ifname=\$var3:%s: cs3=\$num_state1:%s: cs3Label=previous state outcome=\$num_state2:%s: |                       |                                               |                   |             |
| Example            | cs1=OSPF cs1Label=OSPF version vrid=1234 Ifname=ethernet 1 cs3>Loading cs3Label=previous state outcome>Loading                               |                       |                                               |                   |             |
| SYSLOG             |                                                                                                                                              |                       |                                               |                   |             |
| Format             | Change in state for \$var1:%s:-NFSM VRID[\$var2:%u:][\$var3:%s:] from \$num_state1:%s: to \$num_state2:%s:.                                  |                       |                                               |                   |             |
| Example            | Change in state for OSPF-NFSM VRID[1234][ethernet 1] from Loading to Loading.                                                                |                       |                                               |                   |             |
| Variable           | Type                                                                                                                                         | Value                 |                                               | Description       |             |
| var1               | String                                                                                                                                       | OSPF<br>OSPF6         |                                               | OSPF version      |             |
| var2               | Unsigned Integer                                                                                                                             | {VRID}                |                                               | VRID              |             |
| var3               | String                                                                                                                                       | {interface_details}   |                                               | interface details |             |
| num_state1         | String                                                                                                                                       | Loading<br>FULL       |                                               | previous state    |             |

|                       |                                                                                              |                         |                                         |                     |                |
|-----------------------|----------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|---------------------|----------------|
|                       |                                                                                              | DOWN                    |                                         |                     |                |
| num_state2            | String                                                                                       | Loading<br>FULL<br>DOWN |                                         | Current state       |                |
| routes-limit-exceeded | 549527115469422601                                                                           | Both Local and Remote   | Maximum Number of OSPF Routes Exceeded  | warning             | router.ospf    |
| CEF                   |                                                                                              |                         |                                         |                     |                |
| Format                | cn1=\$num_var:%u: cn1Label=IP protocol version cn2=\$num_var2:%u: cn2Label=OSPF routes limit |                         |                                         |                     |                |
| Example               | cn1=4 cn1Label=IP protocol version cn2=1000 cn2Label=OSPF routes limit                       |                         |                                         |                     |                |
| SYSLOG                |                                                                                              |                         |                                         |                     |                |
| Format                | Exceeded the maximum number of IPv\$num_var:%u: OSPF routes (\$num_var2:%u:).                |                         |                                         |                     |                |
| Example               | Exceeded the maximum number of IPv4 OSPF routes (1000).                                      |                         |                                         |                     |                |
| Variable              | Type                                                                                         | Value                   |                                         | Description         |                |
| num_var               | Unsigned Integer                                                                             | 4<br>6                  |                                         | IP protocol version |                |
| num_var2              | Unsigned Integer                                                                             | {OSPF_routes_limit}     |                                         | OSPF routes limit   |                |
| aflex-error           | 220764342671376385                                                                           | Both Local and Remote   | Could not get aflex name from partition | error               | rrd.slb-server |
| SYSLOG                |                                                                                              |                         |                                         |                     |                |
| Format                | Get aflex file name failed in partition \$part_name:%s:                                      |                         |                                         |                     |                |
| Example               | Get aflex file name failed in partition shared                                               |                         |                                         |                     |                |
| Variable              | Type                                                                                         | Value                   |                                         | Description         |                |
| part_name             | String                                                                                       | {partition_name}        |                                         | partition name      |                |
| bw-error              | 220764342671376386                                                                           | Both Local and Remote   | Failed to add the black-white list      | error               | rrd.slb-server |
| SYSLOG                |                                                                                              |                         |                                         |                     |                |
| Format                | Failed to add black white list \$err:%s:                                                     |                         |                                         |                     |                |
| Example               | Failed to add black white list EACCESS                                                       |                         |                                         |                     |                |
| Variable              | Type                                                                                         | Value                   |                                         | Description         |                |

|                     |                                                                                                                                        |                                                 |                                                      |             |                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------|-------------|------------------|
| err                 | String                                                                                                                                 | {error_number}                                  | error number                                         |             |                  |
| import-error        | 220764342671376387                                                                                                                     | Both Local and Remote                           | Failed to create temporary directory for import      | error       | rrd.slb-server   |
| SYSLOG              |                                                                                                                                        |                                                 |                                                      |             |                  |
| Format              | Failed to create temporary directory for import                                                                                        |                                                 |                                                      |             |                  |
| register-function   | 630591908762091521                                                                                                                     | Both Local and Remote                           | Failed to allocate memory register callback function | error       | scaleout.cluster |
| CEF                 |                                                                                                                                        |                                                 |                                                      |             |                  |
| Format              |                                                                                                                                        |                                                 |                                                      |             |                  |
| SYSLOG              |                                                                                                                                        |                                                 |                                                      |             |                  |
| Format              | Failed to allocate memory for scaleout register function                                                                               |                                                 |                                                      |             |                  |
| server_status       | 630591908762091523                                                                                                                     | Both Local and Remote                           | Cluster server status info                           | information | scaleout.cluster |
| CEF                 |                                                                                                                                        |                                                 |                                                      |             |                  |
| Format              | cs1=\$status:%s: cs1Label=Status                                                                                                       |                                                 |                                                      |             |                  |
| Example             | cs1=started cs1Label=Status                                                                                                            |                                                 |                                                      |             |                  |
| SYSLOG              |                                                                                                                                        |                                                 |                                                      |             |                  |
| Format              | Cluster server \$status:%s:                                                                                                            |                                                 |                                                      |             |                  |
| Example             | Cluster server started                                                                                                                 |                                                 |                                                      |             |                  |
| Variable            | Type                                                                                                                                   | Value                                           |                                                      | Description |                  |
| status              | String                                                                                                                                 | started<br>stopped<br>connected<br>disconnected |                                                      | status      |                  |
| vserver-traffic-map | 630591908762091522                                                                                                                     | Both Local and Remote                           | Scaleout update virtual server traffic map           | information | scaleout.cluster |
| CEF                 |                                                                                                                                        |                                                 |                                                      |             |                  |
| Format              | cs1=\$service_type:%s: cs1Label=Service type cs2=\$vserver_name:%s: cs2Label=Virtual server name cn1=\$vport:%u: cn1Label=Virtual port |                                                 |                                                      |             |                  |
| Example             | cs1=service type : virtual server cs1Label=Service type cs2=vip1 cs2Label=Virtual server name cn1=0 cn1Label=Virtual port              |                                                 |                                                      |             |                  |
| SYSLOG              |                                                                                                                                        |                                                 |                                                      |             |                  |

| Format             |                    | Updated vserver traffic map: \$service_type:%s: \$vserver_name:%s: \$vport:%u:                                                            |                                    |             |                                  |
|--------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------|----------------------------------|
| Example            |                    | Updated vserver traffic map: service type : virtual server vip1 0                                                                         |                                    |             |                                  |
| Variable           | Type               | Value                                                                                                                                     |                                    | Description |                                  |
| service_type       | String             | service type : virtual server<br>service type : virtual port<br>service type : VRID<br>service type : PARTITION<br>service type : unknown |                                    | type        |                                  |
| vserver_name       | String             | {name}                                                                                                                                    |                                    | name        |                                  |
| vport              | Unsigned Integer   | 0-65534                                                                                                                                   |                                    | name        |                                  |
| active_node_status | 630592458517905409 | Both Local and Remote                                                                                                                     | Nodes joining and leaving scaleout | information | scaleout.cluster.cluster-devices |
| CEF                |                    |                                                                                                                                           |                                    |             |                                  |
| Format             |                    | cs1=\$device_id:%u: cs1Label=Device Id cs2=\$status:%s: cs2Label=status                                                                   |                                    |             |                                  |
| Example            |                    | cs1=1 cs1Label=Device Id cs2=joined cs2Label=status                                                                                       |                                    |             |                                  |
| SYSLOG             |                    |                                                                                                                                           |                                    |             |                                  |
| Format             |                    | Device \$device_id:%u: \$status:%s: scaleout                                                                                              |                                    |             |                                  |
| Example            |                    | Device 1 joined scaleout                                                                                                                  |                                    |             |                                  |
| Variable           | Type               | Value                                                                                                                                     |                                    | Description |                                  |
| device_id          | Unsigned Integer   | 1-8                                                                                                                                       |                                    | device id   |                                  |
| status             | String             | joined<br>left                                                                                                                            |                                    | status      |                                  |
| election_status    | 630592458517905411 | Both Local and Remote                                                                                                                     | Election status                    | information | scaleout.cluster.cluster-devices |
| CEF                |                    |                                                                                                                                           |                                    |             |                                  |
| Format             |                    | cs1=\$num_devices:%u: cs1Label=Num of Devices                                                                                             |                                    |             |                                  |
| Example            |                    | cs1=1 cs1Label=Num of Devices                                                                                                             |                                    |             |                                  |
| SYSLOG             |                    |                                                                                                                                           |                                    |             |                                  |
| Format             |                    | Election in progress among \$num_devices:%u: nodes                                                                                        |                                    |             |                                  |

| Example                                                            |                    | Election in progress among 1 nodes |                                      |                |                                  |
|--------------------------------------------------------------------|--------------------|------------------------------------|--------------------------------------|----------------|----------------------------------|
| Variable                                                           | Type               | Value                              |                                      | Description    |                                  |
| num_devices                                                        | Unsigned Integer   | 1-8                                |                                      | num of devices |                                  |
| re_election                                                        | 630592458517905410 | Both Local and Remote              | Re-election has been triggered       | information    | scaleout.cluster.cluster-devices |
| CEF                                                                |                    |                                    |                                      |                |                                  |
| Format                                                             |                    |                                    |                                      |                |                                  |
| SYSLOG                                                             |                    |                                    |                                      |                |                                  |
| Format                      Master node is calling for re-election |                    |                                    |                                      |                |                                  |
| single_node_status                                                 | 630592458517905412 | Both Local and Remote              | Single node status of a local device | information    | scaleout.cluster.cluster-devices |
| CEF                                                                |                    |                                    |                                      |                |                                  |
| Format                      cn1=\$status:%s: cn1Label=status       |                    |                                    |                                      |                |                                  |
| Example                      cn1=entered cn1Label=status           |                    |                                    |                                      |                |                                  |
| SYSLOG                                                             |                    |                                    |                                      |                |                                  |
| Format                      Device \$status:%s: single node mode   |                    |                                    |                                      |                |                                  |
| Example                      Device entered single node mode       |                    |                                    |                                      |                |                                  |
| Variable                                                           | Type               | Value                              |                                      | Description    |                                  |
| status                                                             | String             | entered<br>exited                  |                                      | status         |                                  |
| disabled                                                           | 630592183639998466 | Both Local and Remote              | Local device being disabled          | information    | scaleout.cluster.local-device    |
| CEF                                                                |                    |                                    |                                      |                |                                  |
| Format                                                             |                    |                                    |                                      |                |                                  |
| SYSLOG                                                             |                    |                                    |                                      |                |                                  |
| Format                      Local device is now disabled           |                    |                                    |                                      |                |                                  |
| service_master_node                                                | 630592183639998465 | Both Local and Remote              | Local device mode                    | information    | scaleout.cluster.local-device    |
| CEF                                                                |                    |                                    |                                      |                |                                  |

|                  |                    |                                                           |                                                                |              |                      |
|------------------|--------------------|-----------------------------------------------------------|----------------------------------------------------------------|--------------|----------------------|
| Format           |                    | cs1=\$mode:%s: cs1Label=mode                              |                                                                |              |                      |
| Example          |                    | cs1=Service cs1Label=mode                                 |                                                                |              |                      |
| SYSLOG           |                    |                                                           |                                                                |              |                      |
| Format           |                    | Device is now a \$mode:%s: node                           |                                                                |              |                      |
| Example          |                    | Device is now a Service node                              |                                                                |              |                      |
| Variable         | Type               | Value                                                     |                                                                | Description  |                      |
| mode             | String             | Service Master                                            |                                                                | mode         |                      |
| distribution     | 630627093134180353 | Both Local and Remote                                     | Distributing traffic map on change in active nodes in scaleout | information  | scaleout.traffic-map |
| CEF              |                    |                                                           |                                                                |              |                      |
| Format           |                    |                                                           |                                                                |              |                      |
| SYSLOG           |                    |                                                           |                                                                |              |                      |
| Format           |                    | Traffic Map has been distributed to all nodes in scaleout |                                                                |              |                      |
| update           | 630627093134180354 | Both Local and Remote                                     | Change in traffic map status                                   | information  | scaleout.traffic-map |
| CEF              |                    |                                                           |                                                                |              |                      |
| Format           |                    | cs1=\$tmap_type:%s: cs1Label=Traffic Map type             |                                                                |              |                      |
| Example          |                    | cs1=Active cs1Label=Traffic Map type                      |                                                                |              |                      |
| SYSLOG           |                    |                                                           |                                                                |              |                      |
| Format           |                    | \$tmap_type:%s: TMap has been updated                     |                                                                |              |                      |
| Example          |                    | Active TMap has been updated                              |                                                                |              |                      |
| Variable         | Type               | Value                                                     |                                                                | Description  |                      |
| tmap_type        | String             | Active Standby                                            |                                                                | tmap type    |                      |
| license-bw-limit | 409827566090715137 | Both Local and Remote                                     | License BW limit is set                                        | notification | scm                  |
| SYSLOG           |                    |                                                           |                                                                |              |                      |



| Format               | License BW limit (unit of Kbps) is set, limit = \$limit:%l:                    |                       |                                                           |              |     |
|----------------------|--------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------|--------------|-----|
| Example              | License BW limit (unit of Kbps) is set, limit = 1000000                        |                       |                                                           |              |     |
| Variable             | Type                                                                           | Value                 |                                                           | Description  |     |
| limit                | Long                                                                           | {max_limit}           |                                                           | max limit    |     |
| license-bw-unlimit   | 409827566090715142                                                             | Both Local and Remote | License BW is unlimited                                   | notification | scm |
| SYSLOG               |                                                                                |                       |                                                           |              |     |
| Format               | License BW is unlimited.                                                       |                       |                                                           |              |     |
| license-conn-limit   | 409827566090715141                                                             | Both Local and Remote | License Port/Connectivity limit is set                    | notification | scm |
| SYSLOG               |                                                                                |                       |                                                           |              |     |
| Format               | License Port/Connectivity limit is set, limit = \$limit:%l:                    |                       |                                                           |              |     |
| Example              | License Port/Connectivity limit is set, limit = 96                             |                       |                                                           |              |     |
| Variable             | Type                                                                           | Value                 |                                                           | Description  |     |
| limit                | Long                                                                           | {max_limit}           |                                                           | max limit    |     |
| license-conn-unlimit | 409827566090715146                                                             | Both Local and Remote | License Port/Connectivity is unlimited                    | notification | scm |
| SYSLOG               |                                                                                |                       |                                                           |              |     |
| Format               | License Port/Connectivity is unlimited.                                        |                       |                                                           |              |     |
| license-core-limit   | 409827566090715140                                                             | Both Local and Remote | System Reloaded/Rebooted due to license core limit is set | notification | scm |
| SYSLOG               |                                                                                |                       |                                                           |              |     |
| Format               | System Reloaded/Rebooted due to license core limit is set, limit = \$limit:%l: |                       |                                                           |              |     |
| Example              | System Reloaded/Rebooted due to license core limit is set, limit = 96          |                       |                                                           |              |     |
| Variable             | Type                                                                           | Value                 |                                                           | Description  |     |
| limit                | Long                                                                           | {max_limit}           |                                                           | max limit    |     |
| license-core-unlimit | 409827566090715145                                                             | Both Local and Remote | System Reloaded/Rebooted due to license core is unlimited | notification | scm |
| SYSLOG               |                                                                                |                       |                                                           |              |     |

|                        |                    |                                                                                      |                                                    |              |                   |
|------------------------|--------------------|--------------------------------------------------------------------------------------|----------------------------------------------------|--------------|-------------------|
| Format                 |                    | System Reloaded/Rebooted due to license core is unlimited.                           |                                                    |              |                   |
| license-memory-limit   | 409827566090715139 | Both Local and Remote                                                                | System Rebooted due to license memory limit is set | notification | scm               |
| SYSLOG                 |                    |                                                                                      |                                                    |              |                   |
| Format                 |                    | System Rebooted due to license memory (unit of MB) limit is set, limit = \$limit:%l: |                                                    |              |                   |
| Example                |                    | System Rebooted due to license memory (unit of MB) limit is set, limit = 1000000     |                                                    |              |                   |
| Variable               | Type               | Value                                                                                |                                                    | Description  |                   |
| limit                  | Long               | {max_limit}                                                                          |                                                    | max limit    |                   |
| license-memory-unlimit | 409827566090715144 | Both Local and Remote                                                                | License memory is unlimited                        | notification | scm               |
| SYSLOG                 |                    |                                                                                      |                                                    |              |                   |
| Format                 |                    | System Rebooted due to license memory is unlimited.                                  |                                                    |              |                   |
| license-pps-limit      | 409827566090715138 | Both Local and Remote                                                                | License PPS limit is set                           | notification | scm               |
| SYSLOG                 |                    |                                                                                      |                                                    |              |                   |
| Format                 |                    | License PPS limit (unit of 100000) is set, limit = \$limit:%l:                       |                                                    |              |                   |
| Example                |                    | License PPS limit (unit of 100000) is set, limit = 100000                            |                                                    |              |                   |
| Variable               | Type               | Value                                                                                |                                                    | Description  |                   |
| limit                  | Long               | {max_limit}                                                                          |                                                    | max limit    |                   |
| license-pps-unlimit    | 409827566090715143 | Both Local and Remote                                                                | License PPS is unlimited                           | notification | scm               |
| SYSLOG                 |                    |                                                                                      |                                                    |              |                   |
| Format                 |                    | License PPS is unlimited.                                                            |                                                    |              |                   |
| creation-info          | 747597538143502341 | Both Local and Remote                                                                | Information related to service partition creation  | information  | service-partition |
| CEF                    |                    |                                                                                      |                                                    |              |                   |
| Format                 |                    | partName=\$pname:%s: partId=\$pid:%u:                                                |                                                    |              |                   |
| Example                |                    | partName=shared partId=1                                                             |                                                    |              |                   |

| SYSLOG         |                    |                                                                          |                                                   |                |                   |
|----------------|--------------------|--------------------------------------------------------------------------|---------------------------------------------------|----------------|-------------------|
| Format         |                    | Service Partition \$pname:%s: (id \$pid:%u:) created.                    |                                                   |                |                   |
| Example        |                    | Service Partition shared (id 1) created.                                 |                                                   |                |                   |
| Variable       | Type               | Value                                                                    |                                                   | Description    |                   |
| pname          | String             | {partition_name}                                                         |                                                   | partition name |                   |
| pid            | Unsigned Integer   | 1-127                                                                    |                                                   | partition id   |                   |
| creation_error | 747597538143502337 | Both Local and Remote                                                    | Error on creating service partition               | error          | service-partition |
| CEF            |                    |                                                                          |                                                   |                |                   |
| Format         |                    | partName=\$pname:%s: partId=\$pid:%u:                                    |                                                   |                |                   |
| Example        |                    | partName=shared partId=1                                                 |                                                   |                |                   |
| SYSLOG         |                    |                                                                          |                                                   |                |                   |
| Format         |                    | Service Partition \$pname:%s: (id \$pid:%u:) creation failed             |                                                   |                |                   |
| Example        |                    | Service Partition shared (id 1) creation failed                          |                                                   |                |                   |
| Variable       | Type               | Value                                                                    |                                                   | Description    |                   |
| pname          | String             | {partition_name}                                                         |                                                   | partition name |                   |
| pid            | Unsigned Integer   | 1-127                                                                    |                                                   | partition id   |                   |
| deletion-info  | 747597538143502342 | Both Local and Remote                                                    | Information related to service partition deletion | information    | service-partition |
| CEF            |                    |                                                                          |                                                   |                |                   |
| Format         |                    | partName=\$pname:%s: partId=\$pid:%u:                                    |                                                   |                |                   |
| Example        |                    | partName=shared partId=1                                                 |                                                   |                |                   |
| SYSLOG         |                    |                                                                          |                                                   |                |                   |
| Format         |                    | Service Partition \$pname:%s: (id \$pid:%u:) removed from running config |                                                   |                |                   |
| Example        |                    | Service Partition shared (id 1) removed from running config              |                                                   |                |                   |
| Variable       | Type               | Value                                                                    |                                                   | Description    |                   |
| pname          | String             | {partition_name}                                                         |                                                   | partition name |                   |

|                    |                                                                                         |                         |                                                  |                |                   |
|--------------------|-----------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------|----------------|-------------------|
| pid                | Unsigned Integer                                                                        | 1-127                   |                                                  | partition id   |                   |
| deletion_error     | 747597538143502339                                                                      | Both Local and Remote   | Error on deleting service partition              | error          | service-partition |
| CEF                |                                                                                         |                         |                                                  |                |                   |
| Format             | partName=\$pname:%s: partId=\$pid:%u:                                                   |                         |                                                  |                |                   |
| Example            | partName=shared partId=1                                                                |                         |                                                  |                |                   |
| SYSLOG             |                                                                                         |                         |                                                  |                |                   |
| Format             | Service Partition \$pname:%s: (id \$pid:%u:) deletion failed                            |                         |                                                  |                |                   |
| Example            | Service Partition shared (id 1) deletion failed                                         |                         |                                                  |                |                   |
| Variable           | Type                                                                                    | Value                   |                                                  | Description    |                   |
| pname              | String                                                                                  | {partition_name}        |                                                  | partition name |                   |
| pid                | Unsigned Integer                                                                        | 1-127                   |                                                  | partition id   |                   |
| deletion_failure   | 747597538143502340                                                                      | Both Local and Remote   | Error on deleting service partition              | error          | service-partition |
| CEF                |                                                                                         |                         |                                                  |                |                   |
| Format             | partName=\$pname:%s: partId=\$pid:%u: reason=\$error_str:%s:                            |                         |                                                  |                |                   |
| Example            | partName=shared partId=1 reason=change partition status                                 |                         |                                                  |                |                   |
| SYSLOG             |                                                                                         |                         |                                                  |                |                   |
| Format             | Service Partition \$pname:%s: (id \$pid:%u:) deletion failed. Failed to \$error_str:%s: |                         |                                                  |                |                   |
| Example            | Service Partition shared (id 1) deletion failed. Failed to change partition status      |                         |                                                  |                |                   |
| Variable           | Type                                                                                    | Value                   |                                                  | Description    |                   |
| pname              | String                                                                                  | {partition_name}        |                                                  | partition name |                   |
| pid                | Unsigned Integer                                                                        | 1-127                   |                                                  | partition id   |                   |
| error_str          | String                                                                                  | change partition status |                                                  | deletion error |                   |
| mapping_file_error | 747597538143502338                                                                      | Both Local and Remote   | Mapping file error on creating service partition | error          | service-partition |
| CEF                |                                                                                         |                         |                                                  |                |                   |
| Format             | partName=\$pname:%s: partId=\$pid:%u: reason=\$error_str:%s:                            |                         |                                                  |                |                   |

|                      |                    |                                                                                                     |                                                       |                      |                |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------|----------------|
| Example              |                    | partName=shared partId=1 reason=Adding name and id                                                  |                                                       |                      |                |
| SYSLOG               |                    |                                                                                                     |                                                       |                      |                |
| Format               |                    | Service Partition \$pname:%s: (id \$pid:%u:) creation failed. Mapping file failure: \$error_str:%s: |                                                       |                      |                |
| Example              |                    | Service Partition shared (id 1) creation failed. Mapping file failure: Adding name and id           |                                                       |                      |                |
| Variable             | Type               | Value                                                                                               |                                                       | Description          |                |
| pname                | String             | {partition_name}                                                                                    |                                                       | partition name       |                |
| pid                  | Unsigned Integer   | 1-127                                                                                               |                                                       | partition id         |                |
| error_str            | String             | Adding name and id<br>Changing status to active                                                     |                                                       | mapping error        |                |
| notif                | 414331165718085633 | Both Local and Remote                                                                               | Setting product ID                                    | notification         | set-product-id |
| SYSLOG               |                    |                                                                                                     |                                                       |                      |                |
| Format               |                    | \$notice:%s: Setting prod ID to \$prod_id:%u:                                                       |                                                       |                      |                |
| Example              |                    | error Setting prod ID to 4                                                                          |                                                       |                      |                |
| Variable             | Type               | Value                                                                                               |                                                       | Description          |                |
| notice               | String             | {notice_info}                                                                                       |                                                       | notice info          |                |
| prod_id              | Unsigned Integer   | {product_id}                                                                                        |                                                       | product id           |                |
| info                 | 487778542453522433 | Both Local and Remote                                                                               | aFleX log command executed                            | information          | slb.aflex-log  |
| SYSLOG               |                    |                                                                                                     |                                                       |                      |                |
| Format               |                    | \$name:%s::\$info:%s:                                                                               |                                                       |                      |                |
| Example              |                    | aFleX name1:This is aFleX log output                                                                |                                                       |                      |                |
| Variable             | Type               | Value                                                                                               |                                                       | Description          |                |
| name                 | String             | {aFleX_name}                                                                                        |                                                       | aFleX name           |                |
| info                 | String             | {aFleX_logging_string}                                                                              |                                                       | aFleX logging string |                |
| qat-invalid-vf-count | 486406351942057985 | Both Local and Remote                                                                               | Number of QAT VF instances are less than Polling CPUs | warning              | slb.common     |
| SYSLOG               |                    |                                                                                                     |                                                       |                      |                |

| Format               |                    | Number of QAT VF instances are less than Polling CPUs, Total SSL Polling CPUs:\$total_polling_cpu:%u: Total VF Intances allocated=total-devices multiplied by :\$total_vf_instances:%u: |                             |                    |                |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|----------------|
| Example              |                    | Number of QAT VF instances are less than Polling CPUs, Total SSL Polling CPUs:255 Total VF Intances allocated=total-devices multiplied by :2                                            |                             |                    |                |
| Variable             | Type               | Value                                                                                                                                                                                   |                             | Description        |                |
| total_polling_cpu    | Unsigned Integer   | 255                                                                                                                                                                                     |                             | total_polling_cpu  |                |
| total_vf_instances   | Unsigned Integer   | 2                                                                                                                                                                                       |                             | total_vf_instances |                |
| line_long            | 487268369058234369 | Both Local and Remote                                                                                                                                                                   | SLB FTP Proxy Line too long | warning            | slb.ftp-proxy  |
| CEF                  |                    |                                                                                                                                                                                         |                             |                    |                |
| Format               |                    | cn1=\$line_len:%u: cn1Label=Line Length cn2=\$line_len_2:%u: cn2Label=Line Length - 2 cs1=\$request:%s: cs1Label=Request                                                                |                             |                    |                |
| Example              |                    | cn1=1000 cn1Label=Line Length cn2=2000 cn2Label=Line Length - 2 cs1=ftp www.a10networks.com cs1Label=Request                                                                            |                             |                    |                |
| SYSLOG               |                    |                                                                                                                                                                                         |                             |                    |                |
| Format               |                    | The line is too long. \$line_len:%u: \$line_len_2:%u: \$request:%s:                                                                                                                     |                             |                    |                |
| Example              |                    | The line is too long. 1000 2000 ftp www.a10networks.com                                                                                                                                 |                             |                    |                |
| Variable             | Type               | Value                                                                                                                                                                                   |                             | Description        |                |
| line_len             | Unsigned Integer   | {FTP_Line_Length}                                                                                                                                                                       |                             | FTP Line Length    |                |
| line_len_2           | Unsigned Integer   | {FTP_Line_Length2}                                                                                                                                                                      |                             | FTP Line Length2   |                |
| request              | String             | {FTP_Request}                                                                                                                                                                           |                             | FTP Request        |                |
| buff_queue_too_small | 487198000314056716 | Both Local and Remote                                                                                                                                                                   | Buffer queue too small      | warning            | slb.http-proxy |
| CEF                  |                    |                                                                                                                                                                                         |                             |                    |                |
| Format               |                    | cn1=\$queue:%d: cn1Label=buffer queue too small                                                                                                                                         |                             |                    |                |
| Example              |                    | cn1=0 cn1Label=buffer queue too small                                                                                                                                                   |                             |                    |                |
| SYSLOG               |                    |                                                                                                                                                                                         |                             |                    |                |
| Format               |                    | For aFlex to work, max buff queue limit has to be increased. Current queue limit: \$queue:%d:                                                                                           |                             |                    |                |
| Example              |                    | For aFlex to work, max buff queue limit has to be increased. Current queue limit: 0                                                                                                     |                             |                    |                |
| Variable             | Type               | Value                                                                                                                                                                                   |                             | Description        |                |
| queue                | Integer            | 0-1000                                                                                                                                                                                  |                             | max queue depth    |                |

|                         |                                                                                                                                                                                                                            |                       |                        |                 |                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-----------------|----------------|
| buff_queue_too_small_v4 | 487198000314056744                                                                                                                                                                                                         | Both Local and Remote | Buffer queue too small | warning         | slb.http-proxy |
| CEF                     |                                                                                                                                                                                                                            |                       |                        |                 |                |
| Format                  | cn1=\$queue:%d: cn1Label=buffer queue too small cs1=\$direction:%s: cs1Label=Direction src=\$ip:%s: spt=\$port:%u: dst=\$ip:%s: dpt=\$port:%u:                                                                             |                       |                        |                 |                |
| Example                 | cn1=0 cn1Label=buffer queue too small cs1=Forward cs1Label=Direction src=1.1.1.1 spt=80 dst=1.1.1.1 dpt=80                                                                                                                 |                       |                        |                 |                |
| SYSLOG                  |                                                                                                                                                                                                                            |                       |                        |                 |                |
| Format                  | For aFlex to work, max buff queue limit has to be increased. Current queue limit: \$queue:%d: \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                    |                       |                        |                 |                |
| Example                 | For aFlex to work, max buff queue limit has to be increased. Current queue limit: 0 Forward src=1.1.1.1 port 80 dst=1.1.1.1 port 80                                                                                        |                       |                        |                 |                |
| Variable                | Type                                                                                                                                                                                                                       | Value                 |                        | Description     |                |
| queue                   | Integer                                                                                                                                                                                                                    | 0-1000                |                        | max queue depth |                |
| direction               | String                                                                                                                                                                                                                     | {Direction}           |                        | Direction       |                |
| ip                      | IP V4 Address                                                                                                                                                                                                              | {ipv4_address}        |                        | ipv4 address    |                |
| port                    | Unsigned Integer                                                                                                                                                                                                           | {Port}                |                        | Port            |                |
| buff_queue_too_small_v6 | 487198000314056745                                                                                                                                                                                                         | Both Local and Remote | Buffer queue too small | warning         | slb.http-proxy |
| CEF                     |                                                                                                                                                                                                                            |                       |                        |                 |                |
| Format                  | cn1=\$queue:%d: cn1Label=buffer queue too small cs1=\$direction:%s: cs1Label=Direction c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                       |                        |                 |                |
| Example                 | cn1=0 cn1Label=buffer queue too small cs1=Forward cs1Label=Direction c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                    |                       |                        |                 |                |
| SYSLOG                  |                                                                                                                                                                                                                            |                       |                        |                 |                |
| Format                  | For aFlex to work, max buff queue limit has to be increased. Current queue limit: \$queue:%d: \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                    |                       |                        |                 |                |
| Example                 | For aFlex to work, max buff queue limit has to be increased. Current queue limit: 0 Forward src=1::1 port 80 dst=1::1 port 80                                                                                              |                       |                        |                 |                |
| Variable                | Type                                                                                                                                                                                                                       | Value                 |                        | Description     |                |
| queue                   | Integer                                                                                                                                                                                                                    | 0-1000                |                        | max queue depth |                |
| direction               | String                                                                                                                                                                                                                     | {Direction}           |                        | Direction       |                |
| ip                      | IP V6 Address                                                                                                                                                                                                              | {ipv6_address}        |                        | ipv6 address    |                |

|                |                                                                                                                                                                 |                       |                     |             |                |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-------------|----------------|
| port           | Unsigned Integer                                                                                                                                                | {Port}                | Port                |             |                |
| src_v6         | IP V6 Address                                                                                                                                                   | {ipv6_address}        | ipv6 address        |             |                |
| dest_v6        | IP V6 Address                                                                                                                                                   | {ipv6_address}        | ipv6 address        |             |                |
| es_debug_event | 487198000314056732                                                                                                                                              | Both Local and Remote | HTTP ES debug event | debugging   | slb.http-proxy |
| CEF            |                                                                                                                                                                 |                       |                     |             |                |
| Format         | cs1=\$hdr:%s: cs1Label=log hdr cs2=\$time:%s: cs2Label=time cs3=\$type:%s: cs3Label=type cn1=\$severity:%d: cn1Label=severity cs4=\$msg:%s: cs4Label=message    |                       |                     |             |                |
| Example        | cs1=HTTP header cs1Label=log hdr cs2=Jun 10 2019 19:19:39 cs2Label=time cs3=1 cs3Label=type cn1=1 cn1Label=severity cs4=Extended Service Debug cs4Label=message |                       |                     |             |                |
| SYSLOG         |                                                                                                                                                                 |                       |                     |             |                |
| Format         | \$hdr:%s: \$time:%s: \$type:%s: \$severity:%d: msg="\$msg:%s:"                                                                                                  |                       |                     |             |                |
| Example        | HTTP header Jun 10 2019 19:19:39 1 1 msg="Extended Service Debug"                                                                                               |                       |                     |             |                |
| Variable       | Type                                                                                                                                                            | Value                 |                     | Description |                |
| hdr            | String                                                                                                                                                          | {Header}              |                     | Header      |                |
| time           | String                                                                                                                                                          | {Time}                |                     | Time        |                |
| type           | String                                                                                                                                                          | {Type}                |                     | Type        |                |
| severity       | Integer                                                                                                                                                         | {Severity}            |                     | Severity    |                |
| msg            | String                                                                                                                                                          | {Message}             |                     | Message     |                |
| es_event       | 487198000314056731                                                                                                                                              | Both Local and Remote | HTTP ES event       | information | slb.http-proxy |
| CEF            |                                                                                                                                                                 |                       |                     |             |                |
| Format         | cs1=\$hdr:%s: cs1Label=log hdr cs2=\$time:%s: cs2Label=time cs3=\$type:%s: cs3Label=type cn1=\$severity:%d: cn1Label=severity cs4=\$msg:%s: cs4Label=message    |                       |                     |             |                |
| Example        | cs1=HTTP header cs1Label=log hdr cs2=Jun 10 2019 19:19:39 cs2Label=time cs3=1 cs3Label=type cn1=1 cn1Label=severity cs4=Extended Service Event cs4Label=message |                       |                     |             |                |
| SYSLOG         |                                                                                                                                                                 |                       |                     |             |                |
| Format         | \$hdr:%s: \$time:%s: \$type:%s: \$severity:%d: msg="\$msg:%s:"                                                                                                  |                       |                     |             |                |
| Example        | HTTP header Jun 10 2019 19:19:39 1 1 msg="Extended Service Event"                                                                                               |                       |                     |             |                |
|                |                                                                                                                                                                 |                       |                     |             |                |



| Variable   | Type                                                                                         | Value                 |                                                                              | Description  |                |
|------------|----------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------|--------------|----------------|
| hdr        | String                                                                                       | {Header}              |                                                                              | Header       |                |
| time       | String                                                                                       | {Time}                |                                                                              | Time         |                |
| type       | String                                                                                       | {Type}                |                                                                              | Type         |                |
| severity   | Integer                                                                                      | {Severity}            |                                                                              | Severity     |                |
| msg        | String                                                                                       | {Message}             |                                                                              | Message      |                |
| es_rate_v4 | 487198000314056729                                                                           | Both Local and Remote | HTTP ES v4 request rate limit reached. Check server template conn-rate-limit | warning      | slb.http-proxy |
| CEF        |                                                                                              |                       |                                                                              |              |                |
| Format     | cs1=\$name:%s: cs1Label=server name cs2=\$ip:%s: cs2Label=ip v4 cn1=\$port:%u: cn1Label=port |                       |                                                                              |              |                |
| Example    | cs1=A10Networks.com cs1Label=server name cs2=1.1.1.1 cs2Label=ip v4 cn1=1344 cn1Label=port   |                       |                                                                              |              |                |
| SYSLOG     |                                                                                              |                       |                                                                              |              |                |
| Format     | SLB Server \$name:%s: (\$ip:%s:) port \$port:%u: Request rate limit reached                  |                       |                                                                              |              |                |
| Example    | SLB Server A10Networks.com (1.1.1.1) port 1344 Request rate limit reached                    |                       |                                                                              |              |                |
| Variable   | Type                                                                                         | Value                 |                                                                              | Description  |                |
| name       | String                                                                                       | {Server_Name}         |                                                                              | Server Name  |                |
| ip         | IP V4 Address                                                                                | {ipv4_address}        |                                                                              | ipv4 address |                |
| port       | Unsigned Integer                                                                             | {Port}                |                                                                              | Port         |                |
| es_rate_v6 | 487198000314056730                                                                           | Both Local and Remote | HTTP ES v6 request rate limit reached. Check server template conn-rate-limit | warning      | slb.http-proxy |
| CEF        |                                                                                              |                       |                                                                              |              |                |
| Format     | cs1=\$name:%s: cs1Label=server name cs2=\$ip:%s: cs2Label=ip v6 cn1=\$port:%u: cn1Label=port |                       |                                                                              |              |                |
| Example    | cs1=A10Networks.com cs1Label=server name cs2=1::1 cs2Label=ip v6 cn1=1344 cn1Label=port      |                       |                                                                              |              |                |
| SYSLOG     |                                                                                              |                       |                                                                              |              |                |
| Format     | SLB Server \$name:%s: (\$ip:%s:) port \$port:%u: Request rate limit reached                  |                       |                                                                              |              |                |
| Example    | SLB Server A10Networks.com (1::1) port 1344 Request rate limit reached                       |                       |                                                                              |              |                |
|            |                                                                                              |                       |                                                                              |              |                |

| Variable      | Type                                                                                                                                                                         | Value                       |                    | Description               |                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|---------------------------|----------------|
| name          | String                                                                                                                                                                       | {Server_Name}               |                    | Server Name               |                |
| ip            | IP V6 Address                                                                                                                                                                | {ipv6_address}              |                    | ipv6 address              |                |
| port          | Unsigned Integer                                                                                                                                                             | {Port}                      |                    | Port                      |                |
| es_timeout_v4 | 487198000314056727                                                                                                                                                           | Both Local and Remote       | HTTP ES v4 timeout | warning                   | slb.http-proxy |
| CEF           |                                                                                                                                                                              |                             |                    |                           |                |
| Format        | cs1=\$name:%s: cs1Label=server name cs2=\$ip:%s: cs2Label=ip v4 cn1=\$port:%u: cn1Label=port cs3=\$cip:%s: cs3Label=client ip<br>cn2=\$dstport:%u: cn2Label=destination port |                             |                    |                           |                |
| Example       | cs1=A10Networks.com cs1Label=server name cs2=1.1.1.1 cs2Label=ip v4 cn1=1344 cn1Label=port cs3=2.2.2.2 cs3Label=client ip cn2=80<br>cn2Label=destination port                |                             |                    |                           |                |
| SYSLOG        |                                                                                                                                                                              |                             |                    |                           |                |
| Format        | SLB Server \$name:%s: (\$ip:%s:) port \$port:%u: Request Time-out[\$cip:%s:][\$dstport:%u:]                                                                                  |                             |                    |                           |                |
| Example       | SLB Server A10Networks.com (1.1.1.1) port 1344 Request Time-out[2.2.2.2][80]                                                                                                 |                             |                    |                           |                |
| Variable      | Type                                                                                                                                                                         | Value                       |                    | Description               |                |
| name          | String                                                                                                                                                                       | {Server_Name}               |                    | Server Name               |                |
| ip            | IP V4 Address                                                                                                                                                                | {ipv4_address}              |                    | ipv4 address              |                |
| port          | Unsigned Integer                                                                                                                                                             | {Port}                      |                    | Port                      |                |
| cip           | IP V4 Address                                                                                                                                                                | {Original_v4}               |                    | Original v4               |                |
| dstport       | Unsigned Integer                                                                                                                                                             | {Original_destination_port} |                    | Original destination port |                |
| es_timeout_v6 | 487198000314056728                                                                                                                                                           | Both Local and Remote       | HTTP ES v6 timeout | warning                   | slb.http-proxy |
| CEF           |                                                                                                                                                                              |                             |                    |                           |                |
| Format        | cs1=\$name:%s: cs1Label=server name cs2=\$ip:%s: cs2Label=ip v6 cn1=\$port:%u: cn1Label=port cs3=\$cip:%s: cs3Label=client ip<br>cn2=\$dstport:%u: cn2Label=destination port |                             |                    |                           |                |
| Example       | cs1=A10Networks.com cs1Label=server name cs2=1::1 cs2Label=ip v6 cn1=1344 cn1Label=port cs3=2::2 cs3Label=client ip cn2=80<br>cn2Label=destination port                      |                             |                    |                           |                |
| SYSLOG        |                                                                                                                                                                              |                             |                    |                           |                |
| Format        | SLB Server \$name:%s: (\$ip:%s:) port \$port:%u: Request Time-out[\$cip:%s:][\$dstport:%u:]                                                                                  |                             |                    |                           |                |

|              |  |                                        |  |                             |  |                                                                        |  |         |                |  |  |
|--------------|--|----------------------------------------|--|-----------------------------|--|------------------------------------------------------------------------|--|---------|----------------|--|--|
| Example      |  |                                        |  |                             |  | SLB Server A10Networks.com (1::1) port 1344 Request Time-out[2::2][80] |  |         |                |  |  |
| Variable     |  | Type                                   |  | Value                       |  | Description                                                            |  |         |                |  |  |
| name         |  | String                                 |  | {Server_Name}               |  | Server Name                                                            |  |         |                |  |  |
| ip           |  | IP V6 Address                          |  | {ipv6_address}              |  | ipv6 address                                                           |  |         |                |  |  |
| port         |  | Unsigned Integer                       |  | {Port}                      |  | Port                                                                   |  |         |                |  |  |
| cip          |  | IP V6 Address                          |  | {Original_v6}               |  | Original v6                                                            |  |         |                |  |  |
| dstport      |  | Unsigned Integer                       |  | {Original_destination_port} |  | Original destination port                                              |  |         |                |  |  |
| generic_log  |  | 487198000314056726                     |  | Both Local and Remote       |  | No NAT pool available                                                  |  | warning | slb.http-proxy |  |  |
| CEF          |  |                                        |  |                             |  |                                                                        |  |         |                |  |  |
| Format       |  | cs1=\$log:%s: cs1Label=HTTP log        |  |                             |  |                                                                        |  |         |                |  |  |
| Example      |  | cs1=source nat pool cs1Label=HTTP log  |  |                             |  |                                                                        |  |         |                |  |  |
| SYSLOG       |  |                                        |  |                             |  |                                                                        |  |         |                |  |  |
| Format       |  | \$log:%s:                              |  |                             |  |                                                                        |  |         |                |  |  |
| Example      |  | source nat pool                        |  |                             |  |                                                                        |  |         |                |  |  |
| Variable     |  | Type                                   |  | Value                       |  | Description                                                            |  |         |                |  |  |
| log          |  | String                                 |  | {Log}                       |  | Log                                                                    |  |         |                |  |  |
| header_count |  | 487198000314056722                     |  | Both Local and Remote       |  | HTTP header at location count is too long                              |  | warning | slb.http-proxy |  |  |
| CEF          |  |                                        |  |                             |  |                                                                        |  |         |                |  |  |
| Format       |  | cn1=\$count:%d: cn1Label=headers count |  |                             |  |                                                                        |  |         |                |  |  |
| Example      |  | cn1=10 cn1Label=headers count          |  |                             |  |                                                                        |  |         |                |  |  |
| SYSLOG       |  |                                        |  |                             |  |                                                                        |  |         |                |  |  |
| Format       |  | Headers (total is \$count:%d:):        |  |                             |  |                                                                        |  |         |                |  |  |
| Example      |  | Headers (total is 10):                 |  |                             |  |                                                                        |  |         |                |  |  |
| Variable     |  | Type                                   |  | Value                       |  | Description                                                            |  |         |                |  |  |
| count        |  | Integer                                |  | {Header_Count}              |  | Header Count                                                           |  |         |                |  |  |
|              |  |                                        |  |                             |  |                                                                        |  |         |                |  |  |

|                 |                                                                                                                                                                                                                                                                          |                       |                                                 |                     |                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------|---------------------|----------------|
| header_count_ip | 487198000314056754                                                                                                                                                                                                                                                       | Both Local and Remote | HTTP header at location count is too long       | warning             | slb.http-proxy |
| CEF             |                                                                                                                                                                                                                                                                          |                       |                                                 |                     |                |
| Format          | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$sport:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$count:%d: cn2Label=headers count |                       |                                                 |                     |                |
| Example         | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=10 cn2Label=headers count                                                                       |                       |                                                 |                     |                |
| SYSLOG          |                                                                                                                                                                                                                                                                          |                       |                                                 |                     |                |
| Format          | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$sport:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$sport:%u: \$vip:%s: \$vport:%d: Headers (parsed = \$count:%d:):                                                                                                      |                       |                                                 |                     |                |
| Example         | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 Headers (parsed = 10):                                                                                                                                                                                   |                       |                                                 |                     |                |
| Variable        | Type                                                                                                                                                                                                                                                                     | Value                 |                                                 | Description         |                |
| src_ipv4        | IP V4 Address                                                                                                                                                                                                                                                            | {ipv4_address}        |                                                 | ipv4 address        |                |
| src_ipv6        | IP V6 Address                                                                                                                                                                                                                                                            | {ipv6_address}        |                                                 | ipv6 address        |                |
| port            | Unsigned Integer                                                                                                                                                                                                                                                         | {Port}                |                                                 | Port                |                |
| dst_ipv4        | IP V4 Address                                                                                                                                                                                                                                                            | {ipv4_address}        |                                                 | ipv4 address        |                |
| dst_ipv6        | IP V6 Address                                                                                                                                                                                                                                                            | {ipv6_address}        |                                                 | ipv6 address        |                |
| vip             | String                                                                                                                                                                                                                                                                   | {Virtual_Server_Name} |                                                 | Virtual Server Name |                |
| vport           | Integer                                                                                                                                                                                                                                                                  | 0-65534               |                                                 | Virtual Port        |                |
| count           | Integer                                                                                                                                                                                                                                                                  | {Header_Count}        |                                                 | Header Count        |                |
| ip              | IP V4 Address                                                                                                                                                                                                                                                            | {ipv4_address}        |                                                 | ipv4 address        |                |
| header_detail   | 487198000314056723                                                                                                                                                                                                                                                       | Both Local and Remote | HTTP header detail when HTTP header is too long | warning             | slb.http-proxy |
| CEF             |                                                                                                                                                                                                                                                                          |                       |                                                 |                     |                |
| Format          | cn1=\$header:%d: cn1Label=header cn2=\$key_len:%d: cn2Label=key len cn3=\$length:%d: cn3Label=header length cs1=\$key:%s: cs1Label=header key                                                                                                                            |                       |                                                 |                     |                |
| Example         | cn1=0 cn1Label=header cn2=10 cn2Label=key len cn3=20 cn3Label=header length cs1=Host cs1Label=header key                                                                                                                                                                 |                       |                                                 |                     |                |
| SYSLOG          |                                                                                                                                                                                                                                                                          |                       |                                                 |                     |                |
| Format          | Header \$header:%d: (name=\$key_len:%d:, total=\$length:%d:): \$key:%s:                                                                                                                                                                                                  |                       |                                                 |                     |                |

| Example          |                                                                                                                                                                                                                                                                                                                                                                                | Header 0 (name=10, total=20): Host |                                                 |                     |                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------|---------------------|----------------|
| Variable         | Type                                                                                                                                                                                                                                                                                                                                                                           | Value                              |                                                 | Description         |                |
| header           | Integer                                                                                                                                                                                                                                                                                                                                                                        | {Header}                           |                                                 | Header              |                |
| key_len          | Integer                                                                                                                                                                                                                                                                                                                                                                        | {Header_key_len}                   |                                                 | Header key len      |                |
| length           | Integer                                                                                                                                                                                                                                                                                                                                                                        | {Header_length}                    |                                                 | Header length       |                |
| key              | String                                                                                                                                                                                                                                                                                                                                                                         | {Header_value}                     |                                                 | Header value        |                |
| header_detail_ip | 487198000314056755                                                                                                                                                                                                                                                                                                                                                             | Both Local and Remote              | HTTP header detail when HTTP header is too long | warning             | slb.http-proxy |
| CEF              |                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                 |                     |                |
| Format           | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$header:%d: cn2Label=header cn3=\$key_len:%d: cn3Label=key len cn4=\$length:%d: cn4Label=header length cs2=\$key:%s: cs2Label=header key |                                    |                                                 |                     |                |
| Example          | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=0 cn2Label=header cn3=10 cn3Label=key len cn4=20 cn4Label=header length cs2=Host cs2Label=header key                                                                                                  |                                    |                                                 |                     |                |
| SYSLOG           |                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                 |                     |                |
| Format           | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: Header \$header:%d: (name=\$key_len:%d:, total=\$length:%d:): \$key:%s:                                                                                                                                                                      |                                    |                                                 |                     |                |
| Example          | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 Header 0 (name=10, total=20): Host                                                                                                                                                                                                                                                                             |                                    |                                                 |                     |                |
| Variable         | Type                                                                                                                                                                                                                                                                                                                                                                           | Value                              |                                                 | Description         |                |
| src_ipv4         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                  | {ipv4_address}                     |                                                 | ipv4 address        |                |
| src_ipv6         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                  | {ipv6_address}                     |                                                 | ipv6 address        |                |
| port             | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                               | {Port}                             |                                                 | Port                |                |
| dst_ipv4         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                  | {ipv4_address}                     |                                                 | ipv4 address        |                |
| dst_ipv6         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                  | {ipv6_address}                     |                                                 | ipv6 address        |                |
| vip              | String                                                                                                                                                                                                                                                                                                                                                                         | {Virtual_Server_Name}              |                                                 | Virtual Server Name |                |
| vport            | Integer                                                                                                                                                                                                                                                                                                                                                                        | 0-65534                            |                                                 | Virtual Port        |                |
| header           | Integer                                                                                                                                                                                                                                                                                                                                                                        | {Header}                           |                                                 | Header              |                |
| key_len          | Integer                                                                                                                                                                                                                                                                                                                                                                        | {Header_key_len}                   |                                                 | Header key len      |                |

|                   |                                                                                                                                                                                                                                                                                                |                       |                        |               |                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|---------------|----------------|
| length            | Integer                                                                                                                                                                                                                                                                                        | {Header_length}       |                        | Header length |                |
| key               | String                                                                                                                                                                                                                                                                                         | {Header_value}        |                        | Header value  |                |
| ip                | IP V4 Address                                                                                                                                                                                                                                                                                  | {ipv4_address}        |                        | ipv4 address  |                |
| header_invalid    | 487198000314056720                                                                                                                                                                                                                                                                             | Both Local and Remote | HTTP header is invalid | warning       | slb.http-proxy |
| CEF               |                                                                                                                                                                                                                                                                                                |                       |                        |               |                |
| Format            | cn1=\$len:%d: cn1Label=key cs1=\$key:%s: cs1Label=invalid key                                                                                                                                                                                                                                  |                       |                        |               |                |
| Example           | cn1=20 cn1Label=key cs1=Accept-Encoding::::unknown cs1Label=invalid key                                                                                                                                                                                                                        |                       |                        |               |                |
| SYSLOG            |                                                                                                                                                                                                                                                                                                |                       |                        |               |                |
| Format            | Invalid HTTP header (len=\$len:%d:) \$key:%s:                                                                                                                                                                                                                                                  |                       |                        |               |                |
| Example           | Invalid HTTP header (len=20) Accept-Encoding::::unknown                                                                                                                                                                                                                                        |                       |                        |               |                |
| Variable          | Type                                                                                                                                                                                                                                                                                           | Value                 |                        | Description   |                |
| len               | Integer                                                                                                                                                                                                                                                                                        | {Header_length}       |                        | Header length |                |
| key               | String                                                                                                                                                                                                                                                                                         | {Header}              |                        | Header        |                |
| header_invalid_ip | 487198000314056752                                                                                                                                                                                                                                                                             | Both Local and Remote | HTTP header is invalid | warning       | slb.http-proxy |
| CEF               |                                                                                                                                                                                                                                                                                                |                       |                        |               |                |
| Format            | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$len:%d: cn2Label=key cs2=\$key:%s: cs2Label=invalid key |                       |                        |               |                |
| Example           | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=20 cn2Label=key cs2=Accept-Encoding::::unknown cs2Label=invalid key                                                   |                       |                        |               |                |
| SYSLOG            |                                                                                                                                                                                                                                                                                                |                       |                        |               |                |
| Format            | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: Invalid HTTP header (len=\$len:%d:) \$key:%s:                                                                                                                |                       |                        |               |                |
| Example           | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 Invalid HTTP header (len=20) Accept-Encoding::::unknown                                                                                                                                                                        |                       |                        |               |                |
| Variable          | Type                                                                                                                                                                                                                                                                                           | Value                 |                        | Description   |                |
| src_ipv4          | IP V4 Address                                                                                                                                                                                                                                                                                  | {ipv4_address}        |                        | ipv4 address  |                |
| src_ipv6          | IP V6 Address                                                                                                                                                                                                                                                                                  | {ipv6_address}        |                        | ipv6 address  |                |

|                  |                                                                                                                                                                                                                                                                           |                            |                           |                          |                |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|--------------------------|----------------|
| port             | Unsigned Integer                                                                                                                                                                                                                                                          | {Port}                     |                           | Port                     |                |
| dst_ipv4         | IP V4 Address                                                                                                                                                                                                                                                             | {ipv4_address}             |                           | ipv4 address             |                |
| dst_ipv6         | IP V6 Address                                                                                                                                                                                                                                                             | {ipv6_address}             |                           | ipv6 address             |                |
| vip              | String                                                                                                                                                                                                                                                                    | {Virtual_Server_Name}      |                           | Virtual Server Name      |                |
| vport            | Integer                                                                                                                                                                                                                                                                   | 0-65534                    |                           | Virtual Port             |                |
| len              | Integer                                                                                                                                                                                                                                                                   | {Header_length}            |                           | Header length            |                |
| key              | String                                                                                                                                                                                                                                                                    | {Header}                   |                           | Header                   |                |
| ip               | IP V4 Address                                                                                                                                                                                                                                                             | {ipv4_address}             |                           | ipv4 address             |                |
| header_name_long | 487198000314056733                                                                                                                                                                                                                                                        | Both Local and Remote      | HTTP header name too long | warning                  | slb.http-proxy |
| CEF              |                                                                                                                                                                                                                                                                           |                            |                           |                          |                |
| Format           | cn1=\$len:%u: cn1Label=Header Name Length src=\$src_ip:%s: c6a1=\$src_ipv6:%s: c6a1Label=Source IPv6 Address cn2=\$src_port:%u: cn2Label=Source Port dst=\$dst_ip:%s: c6a2=\$dst_ipv6:%s: c6a2Label=Destination IPv6 Address cn3=\$dst_port:%u: cn3Label=Destination Port |                            |                           |                          |                |
| Example          | cn1=1024 cn1Label=Header Name Length src=1.1.1.1 c6a1=1::1 c6a1Label=Source IPv6 Address cn2=80 cn2Label=Source Port dst=2.2.2.2 c6a2=2::2 c6a2Label=Destination IPv6 Address cn3=80 cn3Label=Destination Port                                                            |                            |                           |                          |                |
| SYSLOG           |                                                                                                                                                                                                                                                                           |                            |                           |                          |                |
| Format           | HTTP header name too long (len:\$len:%u:) \$src_ip:%s:) \$src_ipv6:%s:.\$src_port:%u: to \$dst_ip:%s: to \$dst_ipv6:%s:.\$dst_port:%u:                                                                                                                                    |                            |                           |                          |                |
| Example          | HTTP header name too long (len:1024) 1.1.1.1) 1::1.80 to 2.2.2.2 to 2::2.80                                                                                                                                                                                               |                            |                           |                          |                |
| Variable         | Type                                                                                                                                                                                                                                                                      | Value                      |                           | Description              |                |
| len              | Unsigned Integer                                                                                                                                                                                                                                                          | {Header_length}            |                           | Header length            |                |
| src_ip           | IP V4 Address                                                                                                                                                                                                                                                             | {Source_ipv4_address}      |                           | Source ipv4 address      |                |
| src_ipv6         | IP V6 Address                                                                                                                                                                                                                                                             | {Source_ipv6_address}      |                           | Source ipv6 address      |                |
| src_port         | Unsigned Integer                                                                                                                                                                                                                                                          | {Source_port}              |                           | Source port              |                |
| dst_ip           | IP V4 Address                                                                                                                                                                                                                                                             | {Destination_ipv4_address} |                           | Destination ipv4 address |                |
| dst_ipv6         | IP V6 Address                                                                                                                                                                                                                                                             | {Destination_ipv6_address} |                           | Destination ipv6 address |                |
| dst_port         | Unsigned Integer                                                                                                                                                                                                                                                          | {Destination_port}         |                           | Destination port         |                |
| header_too_long  | 487198000314056719                                                                                                                                                                                                                                                        | Both Local and Remote      | HTTP header is too long   | warning                  | slb.http-proxy |

| CEF                |                    |                                                                                                                                                                                                                                                                                                                                   |                         |                       |                |
|--------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------|----------------|
| Format             |                    | cn1=\$line:%d: cn1Label=header length too long cs1=\$header:%s: cs1Label=header content too long                                                                                                                                                                                                                                  |                         |                       |                |
| Example            |                    | cn1=63000 cn1Label=header length too long cs1=header cs1Label=header content too long                                                                                                                                                                                                                                             |                         |                       |                |
| SYSLOG             |                    |                                                                                                                                                                                                                                                                                                                                   |                         |                       |                |
| Format             |                    | HTTP header (len=\$line:%d:) "\$header:%s:" is too long                                                                                                                                                                                                                                                                           |                         |                       |                |
| Example            |                    | HTTP header (len=63000) "header" is too long                                                                                                                                                                                                                                                                                      |                         |                       |                |
| Variable           | Type               | Value                                                                                                                                                                                                                                                                                                                             |                         | Description           |                |
| line               | Integer            | 63000                                                                                                                                                                                                                                                                                                                             |                         | Maximum header length |                |
| header             | String             | {Header}                                                                                                                                                                                                                                                                                                                          |                         | Header                |                |
| header_too_long_ip | 487198000314056751 | Both Local and Remote                                                                                                                                                                                                                                                                                                             | HTTP header is too long | warning               | slb.http-proxy |
| CEF                |                    |                                                                                                                                                                                                                                                                                                                                   |                         |                       |                |
| Format             |                    | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$line:%d: cn2Label=header length too long cs2=\$header:%s: cs2Label=header content too long |                         |                       |                |
| Example            |                    | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=63000 cn2Label=header length too long cs2=header cs2Label=header content too long                                                                        |                         |                       |                |
| SYSLOG             |                    |                                                                                                                                                                                                                                                                                                                                   |                         |                       |                |
| Format             |                    | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: HTTP header (len=\$line:%d:) "\$header:%s:" is too long                                                                                                                                         |                         |                       |                |
| Example            |                    | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 HTTP header (len=63000) "header" is too long                                                                                                                                                                                                                      |                         |                       |                |
| Variable           | Type               | Value                                                                                                                                                                                                                                                                                                                             |                         | Description           |                |
| src_ipv4           | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                                                                                    |                         | ipv4 address          |                |
| src_ipv6           | IP V6 Address      | {ipv6_address}                                                                                                                                                                                                                                                                                                                    |                         | ipv6 address          |                |
| port               | Unsigned Integer   | {Port}                                                                                                                                                                                                                                                                                                                            |                         | Port                  |                |
| dst_ipv4           | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                                                                                    |                         | ipv4 address          |                |
| dst_ipv6           | IP V6 Address      | {ipv6_address}                                                                                                                                                                                                                                                                                                                    |                         | ipv6 address          |                |
| vip                | String             | {Virtual_Server_Name}                                                                                                                                                                                                                                                                                                             |                         | Virtual Server Name   |                |
| vport              | Integer            | 0-65534                                                                                                                                                                                                                                                                                                                           |                         | Virtual Port          |                |



|                          |                                                                                                                                                                                                                                                      |                              |                    |                            |                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|----------------------------|----------------|
| line                     | Integer                                                                                                                                                                                                                                              | 63000                        |                    | Maximum header length      |                |
| header                   | String                                                                                                                                                                                                                                               | {Header}                     |                    | Header                     |                |
| ip                       | IP V4 Address                                                                                                                                                                                                                                        | {ipv4_address}               |                    | ipv4 address               |                |
| http1x_request_event     | 487198000314056735                                                                                                                                                                                                                                   | Remote only                  | HTTP request event | information                | slb.http-proxy |
| CEF                      |                                                                                                                                                                                                                                                      |                              |                    |                            |                |
| Format                   | src=\$src:%s: rt=\$rt:%s: request=\$request:%s: cn1=\$payload_len:%u: cn1Label=payload_len requestContext=\$requestContext:%s: requestClientApplication=\$requestClientApplication:%s: cs1=\$vip:%s: cs1Label=vserver cn2=\$vport:%d: cn2Label=vport |                              |                    |                            |                |
| Example                  | src=1.1.1.1 rt=Fri Jun 14 20:32:05 2019 request=GET cn1=1000 cn1Label=payload_len requestContext=- requestClientApplication=curl cs1=vip cs1Label=vserver cn2=0 cn2Label=vport                                                                       |                              |                    |                            |                |
| SYSLOG                   |                                                                                                                                                                                                                                                      |                              |                    |                            |                |
| Format                   | HTTP request: \$src:%s: \$rt:%s: \$request:%s: \$payload_len:%u: \$requestContext:%s: \$requestClientApplication:%s: \$vip:%s: \$vport:%d:                                                                                                           |                              |                    |                            |                |
| Example                  | HTTP request: 1.1.1.1 Fri Jun 14 20:32:05 2019 GET 1000 - curl vip 0                                                                                                                                                                                 |                              |                    |                            |                |
| Variable                 | Type                                                                                                                                                                                                                                                 | Value                        |                    | Description                |                |
| src                      | String                                                                                                                                                                                                                                               | {Source_Address}             |                    | Source Address             |                |
| rt                       | String                                                                                                                                                                                                                                               | {timestamp}                  |                    | timestamp                  |                |
| request                  | String                                                                                                                                                                                                                                               | {Request_Method}             |                    | Request Method             |                |
| payload_len              | Unsigned Integer                                                                                                                                                                                                                                     | {Payload_Length}             |                    | Payload Length             |                |
| requestContext           | String                                                                                                                                                                                                                                               | {Request_Context}            |                    | Request Context            |                |
| requestClientApplication | String                                                                                                                                                                                                                                               | {Request_Client_Application} |                    | Request Client Application |                |
| vip                      | String                                                                                                                                                                                                                                               | {Virtual_Server_Name}        |                    | Virtual Server Name        |                |
| vport                    | Integer                                                                                                                                                                                                                                              | 0-65534                      |                    | Virtual Port               |                |
| http_line_too_long       | 487198000314056747                                                                                                                                                                                                                                   | Both Local and Remote        | HTTP line too long | warning                    | slb.http-proxy |
| CEF                      |                                                                                                                                                                                                                                                      |                              |                    |                            |                |
| Format                   | cn1=\$line_len:%d: cn1Label=line len cs1=\$content:%s: cs1Label=content                                                                                                                                                                              |                              |                    |                            |                |
| Example                  | cn1=64 cn1Label=line len cs1=content cs1Label=content                                                                                                                                                                                                |                              |                    |                            |                |
| SYSLOG                   |                                                                                                                                                                                                                                                      |                              |                    |                            |                |
| Format                   | HTTP line too long (len=\$line_len:%d:), content=\$content:%s:                                                                                                                                                                                       |                              |                    |                            |                |

| Example               |                                                                                                                                                                                                                                                                                                          | HTTP line too long (len=64), content=content |                    |                         |                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------|-------------------------|----------------|
| Variable              | Type                                                                                                                                                                                                                                                                                                     | Value                                        |                    | Description             |                |
| line_len              | Integer                                                                                                                                                                                                                                                                                                  | 64                                           |                    | Maximum header name len |                |
| content               | String                                                                                                                                                                                                                                                                                                   | {Header}                                     |                    | Header                  |                |
| http_line_too_long_ip | 487198000314056757                                                                                                                                                                                                                                                                                       | Both Local and Remote                        | HTTP line too long | warning                 | slb.http-proxy |
| CEF                   |                                                                                                                                                                                                                                                                                                          |                                              |                    |                         |                |
| Format                | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$line_len:%d: cn2Label=line len cs2=\$content:%s: cs2Label=content |                                              |                    |                         |                |
| Example               | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=64 cn2Label=line len cs2=content cs2Label=content                                                                               |                                              |                    |                         |                |
| SYSLOG                |                                                                                                                                                                                                                                                                                                          |                                              |                    |                         |                |
| Format                | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: HTTP line too long (parsed len=\$line_len:%d:), content=\$content:%s:                                                                                                  |                                              |                    |                         |                |
| Example               | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 HTTP line too long (parsed len=64), content=content                                                                                                                                                                                      |                                              |                    |                         |                |
| Variable              | Type                                                                                                                                                                                                                                                                                                     | Value                                        |                    | Description             |                |
| src_ipv4              | IP V4 Address                                                                                                                                                                                                                                                                                            | {ipv4_address}                               |                    | ipv4 address            |                |
| src_ipv6              | IP V6 Address                                                                                                                                                                                                                                                                                            | {ipv6_address}                               |                    | ipv6 address            |                |
| port                  | Unsigned Integer                                                                                                                                                                                                                                                                                         | {Port}                                       |                    | Port                    |                |
| dst_ipv4              | IP V4 Address                                                                                                                                                                                                                                                                                            | {ipv4_address}                               |                    | ipv4 address            |                |
| dst_ipv6              | IP V6 Address                                                                                                                                                                                                                                                                                            | {ipv6_address}                               |                    | ipv6 address            |                |
| vip                   | String                                                                                                                                                                                                                                                                                                   | {Virtual_Server_Name}                        |                    | Virtual Server Name     |                |
| vport                 | Integer                                                                                                                                                                                                                                                                                                  | 0-65534                                      |                    | Virtual Port            |                |
| line_len              | Integer                                                                                                                                                                                                                                                                                                  | 64                                           |                    | Maximum header name len |                |
| content               | String                                                                                                                                                                                                                                                                                                   | {Header}                                     |                    | Header                  |                |
| ip                    | IP V4 Address                                                                                                                                                                                                                                                                                            | {ipv4_address}                               |                    | ipv4 address            |                |
| http_request_event    | 487198000314056734                                                                                                                                                                                                                                                                                       | Remote only                                  | HTTP request event | information             | slb.http-proxy |
|                       |                                                                                                                                                                                                                                                                                                          |                                              |                    |                         |                |

| CEF                      |                                                                                                                                                                                                                                                                                                                           |                              |              |                            |                |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|----------------------------|----------------|
| Format                   | src=\$src:%s: rt=\$rt:%s: requestMethod=\$requestMethod:%s: request=\$request:%s: cs1=\$version:%s: cs1Label=version cn1=\$payload_len:%u: cn1Label=payload_len requestContext=\$requestContext:%s: requestClientApplication=\$requestClientApplication:%s: cs2=\$vip:%s: cs2Label=vserver cn2=\$vport:%d: cn2Label=vport |                              |              |                            |                |
| Example                  | src=1.1.1.1 rt=Fri Jun 14 20:32:05 2019 requestMethod=GET request=/1000.txt cs1=HTTP/1.1 cs1Label=version cn1=1000 cn1Label=payload_len requestContext=- requestClientApplication=curl cs2=vip cs2Label=vserver cn2=0 cn2Label=vport                                                                                      |                              |              |                            |                |
| SYSLOG                   |                                                                                                                                                                                                                                                                                                                           |                              |              |                            |                |
| Format                   | HTTP request: \$src:%s: \$rt:%s: \$requestMethod:%s: \$request:%s: \$version:%s: \$payload_len:%u: \$requestContext:%s: \$requestClientApplication:%s: \$vip:%s: \$vport:%d:                                                                                                                                              |                              |              |                            |                |
| Example                  | HTTP request: 1.1.1.1 Fri Jun 14 20:32:05 2019 GET /1000.txt HTTP/1.1 1000 - curl vip 0                                                                                                                                                                                                                                   |                              |              |                            |                |
| Variable                 | Type                                                                                                                                                                                                                                                                                                                      | Value                        |              | Description                |                |
| src                      | String                                                                                                                                                                                                                                                                                                                    | {Source_Address}             |              | Source Address             |                |
| rt                       | String                                                                                                                                                                                                                                                                                                                    | {timestamp}                  |              | timestamp                  |                |
| requestMethod            | String                                                                                                                                                                                                                                                                                                                    | {Request_Method}             |              | Request Method             |                |
| request                  | String                                                                                                                                                                                                                                                                                                                    | {Request}                    |              | Request                    |                |
| version                  | String                                                                                                                                                                                                                                                                                                                    | {HTTP_Version}               |              | HTTP Version               |                |
| payload_len              | Unsigned Integer                                                                                                                                                                                                                                                                                                          | {Payload_Length}             |              | Payload Length             |                |
| requestContext           | String                                                                                                                                                                                                                                                                                                                    | {Request_Context}            |              | Request Context            |                |
| requestClientApplication | String                                                                                                                                                                                                                                                                                                                    | {Request_Client_Application} |              | Request Client Application |                |
| vip                      | String                                                                                                                                                                                                                                                                                                                    | {Virtual_Server_Name}        |              | Virtual Server Name        |                |
| vport                    | Integer                                                                                                                                                                                                                                                                                                                   | 0-65534                      |              | Virtual Port               |                |
| http_request_log         | 487198000314056746                                                                                                                                                                                                                                                                                                        | Both Local and Remote        | HTTP request | warning                    | slb.http-proxy |
| CEF                      |                                                                                                                                                                                                                                                                                                                           |                              |              |                            |                |
| Format                   | cn1=\$line_len:%d: cn1Label=line len cs1=\$content:%s: cs1Label=content                                                                                                                                                                                                                                                   |                              |              |                            |                |
| Example                  | cn1=64 cn1Label=line len cs1=content cs1Label=content                                                                                                                                                                                                                                                                     |                              |              |                            |                |
| SYSLOG                   |                                                                                                                                                                                                                                                                                                                           |                              |              |                            |                |
| Format                   | Request (len=\$line_len:%d:), content=\$content:%s:                                                                                                                                                                                                                                                                       |                              |              |                            |                |
| Example                  | Request (len=64), content=content                                                                                                                                                                                                                                                                                         |                              |              |                            |                |

| Variable              | Type                                                                                                                                                                                                                                                                                                     | Value                 |                                       | Description             |                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|-------------------------|----------------|
| line_len              | Integer                                                                                                                                                                                                                                                                                                  | 64                    |                                       | Maximum header name len |                |
| content               | String                                                                                                                                                                                                                                                                                                   | {Header}              |                                       | Header                  |                |
| http_request_log_ip   | 487198000314056756                                                                                                                                                                                                                                                                                       | Both Local and Remote | HTTP request                          | warning                 | slb.http-proxy |
| CEF                   |                                                                                                                                                                                                                                                                                                          |                       |                                       |                         |                |
| Format                | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$line_len:%d: cn2Label=line len cs2=\$content:%s: cs2Label=content |                       |                                       |                         |                |
| Example               | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=64 cn2Label=line len cs2=content cs2Label=content                                                                               |                       |                                       |                         |                |
| SYSLOG                |                                                                                                                                                                                                                                                                                                          |                       |                                       |                         |                |
| Format                | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: Request (len=\$line_len:%d:), content=\$content:%s:                                                                                                                    |                       |                                       |                         |                |
| Example               | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 Request (len=64), content=content                                                                                                                                                                                                        |                       |                                       |                         |                |
| Variable              | Type                                                                                                                                                                                                                                                                                                     | Value                 |                                       | Description             |                |
| src_ipv4              | IP V4 Address                                                                                                                                                                                                                                                                                            | {ipv4_address}        |                                       | ipv4 address            |                |
| src_ipv6              | IP V6 Address                                                                                                                                                                                                                                                                                            | {ipv6_address}        |                                       | ipv6 address            |                |
| port                  | Unsigned Integer                                                                                                                                                                                                                                                                                         | {Port}                |                                       | Port                    |                |
| dst_ipv4              | IP V4 Address                                                                                                                                                                                                                                                                                            | {ipv4_address}        |                                       | ipv4 address            |                |
| dst_ipv6              | IP V6 Address                                                                                                                                                                                                                                                                                            | {ipv6_address}        |                                       | ipv6 address            |                |
| vip                   | String                                                                                                                                                                                                                                                                                                   | {Virtual_Server_Name} |                                       | Virtual Server Name     |                |
| vport                 | Integer                                                                                                                                                                                                                                                                                                  | 0-65534               |                                       | Virtual Port            |                |
| line_len              | Integer                                                                                                                                                                                                                                                                                                  | 64                    |                                       | Maximum header name len |                |
| content               | String                                                                                                                                                                                                                                                                                                   | {Header}              |                                       | Header                  |                |
| ip                    | IP V4 Address                                                                                                                                                                                                                                                                                            | {ipv4_address}        |                                       | ipv4 address            |                |
| http_resp_not_beg_hdr | 487198000314056748                                                                                                                                                                                                                                                                                       | Both Local and Remote | HTTP response not beginning of header | warning                 | slb.http-proxy |
| CEF                   |                                                                                                                                                                                                                                                                                                          |                       |                                       |                         |                |

|                          |                    |                                                                                                                                                                                                                                                                                                          |                                       |                         |                |
|--------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------|----------------|
| Format                   |                    | cn1=\$line_len:%d: cn1Label=line len cs1=\$content:%s: cs1Label=content                                                                                                                                                                                                                                  |                                       |                         |                |
| Example                  |                    | cn1=64 cn1Label=line len cs1=content cs1Label=content                                                                                                                                                                                                                                                    |                                       |                         |                |
| SYSLOG                   |                    |                                                                                                                                                                                                                                                                                                          |                                       |                         |                |
| Format                   |                    | HTTP response not beginning of header (len=\$line_len:%d:), content=\$content:%s:                                                                                                                                                                                                                        |                                       |                         |                |
| Example                  |                    | HTTP response not beginning of header (len=64), content=content                                                                                                                                                                                                                                          |                                       |                         |                |
| Variable                 | Type               | Value                                                                                                                                                                                                                                                                                                    |                                       | Description             |                |
| line_len                 | Integer            | 64                                                                                                                                                                                                                                                                                                       |                                       | Maximum header name len |                |
| content                  | String             | {Header}                                                                                                                                                                                                                                                                                                 |                                       | Header                  |                |
| http_resp_not_beg_hdr_ip | 487198000314056758 | Both Local and Remote                                                                                                                                                                                                                                                                                    | HTTP response not beginning of header | warning                 | slb.http-proxy |
| CEF                      |                    |                                                                                                                                                                                                                                                                                                          |                                       |                         |                |
| Format                   |                    | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$line_len:%d: cn2Label=line len cs2=\$content:%s: cs2Label=content |                                       |                         |                |
| Example                  |                    | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=64 cn2Label=line len cs2=content cs2Label=content                                                                               |                                       |                         |                |
| SYSLOG                   |                    |                                                                                                                                                                                                                                                                                                          |                                       |                         |                |
| Format                   |                    | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: HTTP response not beginning of header (len=\$line_len:%d:), content=\$content:%s:                                                                                      |                                       |                         |                |
| Example                  |                    | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 HTTP response not beginning of header (len=64), content=content                                                                                                                                                                          |                                       |                         |                |
| Variable                 | Type               | Value                                                                                                                                                                                                                                                                                                    |                                       | Description             |                |
| src_ipv4                 | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                                                           |                                       | ipv4 address            |                |
| src_ipv6                 | IP V6 Address      | {ipv6_address}                                                                                                                                                                                                                                                                                           |                                       | ipv6 address            |                |
| port                     | Unsigned Integer   | {Port}                                                                                                                                                                                                                                                                                                   |                                       | Port                    |                |
| dst_ipv4                 | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                                                           |                                       | ipv4 address            |                |
| dst_ipv6                 | IP V6 Address      | {ipv6_address}                                                                                                                                                                                                                                                                                           |                                       | ipv6 address            |                |
| vip                      | String             | {Virtual_Server_Name}                                                                                                                                                                                                                                                                                    |                                       | Virtual Server Name     |                |
| vport                    | Integer            | 0-65534                                                                                                                                                                                                                                                                                                  |                                       | Virtual Port            |                |
| line_len                 | Integer            | 64                                                                                                                                                                                                                                                                                                       |                                       | Maximum header name len |                |

|             |                                                                                                                                                                                                                                                                                                                                           |                       |                                                   |                         |                |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------|-------------------------|----------------|
| content     | String                                                                                                                                                                                                                                                                                                                                    | {Header}              |                                                   | Header                  |                |
| ip          | IP V4 Address                                                                                                                                                                                                                                                                                                                             | {ipv4_address}        |                                                   | ipv4 address            |                |
| log_line    | 487198000314056721                                                                                                                                                                                                                                                                                                                        | Both Local and Remote | HTTP header log when HTTP header name is too long | warning                 | slb.http-proxy |
| CEF         |                                                                                                                                                                                                                                                                                                                                           |                       |                                                   |                         |                |
| Format      | cn1=\$log_id:%l: cn1Label=log id cn2=\$line_len:%d: cn2Label=line len cs1=\$content:%s: cs1Label=content                                                                                                                                                                                                                                  |                       |                                                   |                         |                |
| Example     | cn1=487198000314056721 cn1Label=log id cn2=64 cn2Label=line len cs1=content cs1Label=content                                                                                                                                                                                                                                              |                       |                                                   |                         |                |
| SYSLOG      |                                                                                                                                                                                                                                                                                                                                           |                       |                                                   |                         |                |
| Format      | HTTP log line id=\$log_id:%l, length=\$line_len:%d, content=\$content:%s:                                                                                                                                                                                                                                                                 |                       |                                                   |                         |                |
| Example     | HTTP log line id=487198000314056721, length=64, content=content                                                                                                                                                                                                                                                                           |                       |                                                   |                         |                |
| Variable    | Type                                                                                                                                                                                                                                                                                                                                      | Value                 |                                                   | Description             |                |
| log_id      | Long                                                                                                                                                                                                                                                                                                                                      | 487198000314056721    |                                                   | log id                  |                |
| line_len    | Integer                                                                                                                                                                                                                                                                                                                                   | 64                    |                                                   | Maximum header name len |                |
| content     | String                                                                                                                                                                                                                                                                                                                                    | {Header}              |                                                   | Header                  |                |
| log_line_ip | 487198000314056753                                                                                                                                                                                                                                                                                                                        | Both Local and Remote | HTTP header log when HTTP header name is too long | warning                 | slb.http-proxy |
| CEF         |                                                                                                                                                                                                                                                                                                                                           |                       |                                                   |                         |                |
| Format      | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$log_id:%l: cn2Label=log id cn3=\$line_len:%d: cn3Label=line len cs2=\$content:%s: cs2Label=content |                       |                                                   |                         |                |
| Example     | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=487198000314056753 cn2Label=log id cn3=64 cn3Label=line len cs2=content cs2Label=content                                                                         |                       |                                                   |                         |                |
| SYSLOG      |                                                                                                                                                                                                                                                                                                                                           |                       |                                                   |                         |                |
| Format      | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: HTTP log line id=\$log_id:%l, length=\$line_len:%d, content=\$content:%s:                                                                                                                               |                       |                                                   |                         |                |
| Example     | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 HTTP log line id=487198000314056753, length=64, content=content                                                                                                                                                                                                           |                       |                                                   |                         |                |
| Variable    | Type                                                                                                                                                                                                                                                                                                                                      | Value                 |                                                   | Description             |                |
| src_ipv4    | IP V4 Address                                                                                                                                                                                                                                                                                                                             | {ipv4_address}        |                                                   | ipv4 address            |                |
| src_ipv6    | IP V6 Address                                                                                                                                                                                                                                                                                                                             | {ipv6_address}        |                                                   | ipv6 address            |                |

|                           |                                                                                |                                                   |                                         |             |                |
|---------------------------|--------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------|-------------|----------------|
| port                      | Unsigned Integer                                                               | {Port}                                            | Port                                    |             |                |
| dst_ipv4                  | IP V4 Address                                                                  | {ipv4_address}                                    | ipv4 address                            |             |                |
| dst_ipv6                  | IP V6 Address                                                                  | {ipv6_address}                                    | ipv6 address                            |             |                |
| vip                       | String                                                                         | {Virtual_Server_Name}                             | Virtual Server Name                     |             |                |
| vport                     | Integer                                                                        | 0-65534                                           | Virtual Port                            |             |                |
| log_id                    | Long                                                                           | 487198000314056753                                | log id                                  |             |                |
| line_len                  | Integer                                                                        | 64                                                | Maximum header name len                 |             |                |
| content                   | String                                                                         | {Header}                                          | Header                                  |             |                |
| ip                        | IP V4 Address                                                                  | {ipv4_address}                                    | ipv4 address                            |             |                |
| lwnode_rport_add_error    | 487198000314056713                                                             | Both Local and Remote                             | Lwnode rport add error                  | warning     | slb.http-proxy |
| CEF                       |                                                                                |                                                   |                                         |             |                |
| Format                    | cs1=\$error:%s: cs1Label=rport add error                                       |                                                   |                                         |             |                |
| Example                   | cs1=Failed to add rport to lwnode dummy service group cs1Label=rport add error |                                                   |                                         |             |                |
| SYSLOG                    |                                                                                |                                                   |                                         |             |                |
| Format                    | \$error:%s:                                                                    |                                                   |                                         |             |                |
| Example                   | Failed to add rport to lwnode dummy service group                              |                                                   |                                         |             |                |
| Variable                  | Type                                                                           | Value                                             |                                         | Description |                |
| error                     | String                                                                         | Failed to add rport to lwnode dummy service group |                                         | err msg     |                |
| lwnode_rport_create_error | 487198000314056709                                                             | Both Local and Remote                             | Failed to create lwnode dummy real port | warning     | slb.http-proxy |
| CEF                       |                                                                                |                                                   |                                         |             |                |
| Format                    | cn1=\$ret:%d: cn1Label=rport create error                                      |                                                   |                                         |             |                |
| Example                   | cn1=123456 cn1Label=rport create error                                         |                                                   |                                         |             |                |
| SYSLOG                    |                                                                                |                                                   |                                         |             |                |
| Format                    | Failed to create lwnode dummy rport, ret \$ret:%d:                             |                                                   |                                         |             |                |
| Example                   | Failed to create lwnode dummy rport, ret 123456                                |                                                   |                                         |             |                |
|                           |                                                                                |                                                   |                                         |             |                |

| Variable                    | Type                                                                          | Value                              |                                       | Description   |                |
|-----------------------------|-------------------------------------------------------------------------------|------------------------------------|---------------------------------------|---------------|----------------|
| ret                         | Integer                                                                       | {Failure_code}                     |                                       | Failure code  |                |
| lwnode_rport_find_error     | 487198000314056710                                                            | Both Local and Remote              | Lwnode rport find error               | warning       | slb.http-proxy |
| CEF                         |                                                                               |                                    |                                       |               |                |
| Format                      | cs1=\$Error:%s: cs1Label=rport find error                                     |                                    |                                       |               |                |
| Example                     | cs1=Failed to find lwnode dummy rport! cs1Label=rport find error              |                                    |                                       |               |                |
| SYSLOG                      |                                                                               |                                    |                                       |               |                |
| Format                      | \$Error:%s:                                                                   |                                    |                                       |               |                |
| Example                     | Failed to find lwnode dummy rport!                                            |                                    |                                       |               |                |
| Variable                    | Type                                                                          | Value                              |                                       | Description   |                |
| error                       | String                                                                        | Failed to find lwnode dummy rport! |                                       | error message |                |
| lwnode_rserver_create_error | 487198000314056708                                                            | Both Local and Remote              | Failed to create lwnode dummy rserver | warning       | slb.http-proxy |
| CEF                         |                                                                               |                                    |                                       |               |                |
| Format                      | cn1=\$ret:%d: cn1Label=rserver create error                                   |                                    |                                       |               |                |
| Example                     | cn1=123456 cn1Label=rserver create error                                      |                                    |                                       |               |                |
| SYSLOG                      |                                                                               |                                    |                                       |               |                |
| Format                      | Failed to create lwnode dummy rserver, ret \$ret:%d:                          |                                    |                                       |               |                |
| Example                     | Failed to create lwnode dummy rserver, ret 123456                             |                                    |                                       |               |                |
| Variable                    | Type                                                                          | Value                              |                                       | Description   |                |
| ret                         | Integer                                                                       | {Failure_code}                     |                                       | Failure code  |                |
| lwnode_service_create_error | 487198000314056711                                                            | Both Local and Remote              | Lwnode service create error           | critical      | slb.http-proxy |
| CEF                         |                                                                               |                                    |                                       |               |                |
| Format                      | cs1=\$Error:%s: cs1Label=service create error                                 |                                    |                                       |               |                |
| Example                     | cs1=Failed to create dummy lwnode service group cs1Label=service create error |                                    |                                       |               |                |
| SYSLOG                      |                                                                               |                                    |                                       |               |                |



|                           |                    |                                                                           |                                                             |             |                |
|---------------------------|--------------------|---------------------------------------------------------------------------|-------------------------------------------------------------|-------------|----------------|
| Format                    |                    | \$error:%s:                                                               |                                                             |             |                |
| Example                   |                    | Failed to create dummy lwnode service group                               |                                                             |             |                |
| Variable                  | Type               | Value                                                                     |                                                             | Description |                |
| error                     | String             | Failed to create dummy lwnode service group                               |                                                             | error msg   |                |
| lwnode_service_find_error | 487198000314056712 | Both Local and Remote                                                     | Lwnode service find error                                   | warning     | slb.http-proxy |
| CEF                       |                    |                                                                           |                                                             |             |                |
| Format                    |                    | cs1=\$error:%s: cs1Label=service find error                               |                                                             |             |                |
| Example                   |                    | cs1=Failed to find lwnode dummy service group cs1Label=service find error |                                                             |             |                |
| SYSLOG                    |                    |                                                                           |                                                             |             |                |
| Format                    |                    | \$error:%s:                                                               |                                                             |             |                |
| Example                   |                    | Failed to find lwnode dummy service group                                 |                                                             |             |                |
| Variable                  | Type               | Value                                                                     |                                                             | Description |                |
| error                     | String             | Failed to find lwnode dummy service group                                 |                                                             | error msg   |                |
| message                   | 487198000314056706 | Both Local and Remote                                                     | HTTP Cookie header has unknown format. Message key is given | warning     | slb.http-proxy |
| CEF                       |                    |                                                                           |                                                             |             |                |
| Format                    |                    | cs1=\$message:%s: cs1Label=message                                        |                                                             |             |                |
| Example                   |                    | cs1=cookie_key cs1Label=message                                           |                                                             |             |                |
| SYSLOG                    |                    |                                                                           |                                                             |             |                |
| Format                    |                    | \$message:%s:                                                             |                                                             |             |                |
| Example                   |                    | cookie_key                                                                |                                                             |             |                |
| Variable                  | Type               | Value                                                                     |                                                             | Description |                |
| message                   | String             | {Message}                                                                 |                                                             | Message     |                |
| proxy_queue_depth_exceeds | 487198000314056724 | Both Local and Remote                                                     | HTTP queue depth exceeded                                   | warning     | slb.http-proxy |
| CEF                       |                    |                                                                           |                                                             |             |                |

| Format                       |                    | cn1=\$q_exceed:%d: cn1Label=queue exceeded                                                                                                                                                                            |                           |              |                |
|------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------|----------------|
| Example                      |                    | cn1=1000 cn1Label=queue exceeded                                                                                                                                                                                      |                           |              |                |
| SYSLOG                       |                    |                                                                                                                                                                                                                       |                           |              |                |
| Format                       |                    | Conn proxy queue depth exceeds limit (\$q_exceed:%d:)                                                                                                                                                                 |                           |              |                |
| Example                      |                    | Conn proxy queue depth exceeds limit (1000)                                                                                                                                                                           |                           |              |                |
| Variable                     | Type               | Value                                                                                                                                                                                                                 |                           | Description  |                |
| q_exceed                     | Integer            | 1000                                                                                                                                                                                                                  |                           | Queue limit  |                |
| proxy_queue_depth_exceeds_v4 | 487198000314056736 | Both Local and Remote                                                                                                                                                                                                 | HTTP queue depth exceeded | warning      | slb.http-proxy |
| CEF                          |                    |                                                                                                                                                                                                                       |                           |              |                |
| Format                       |                    | cn1=\$q_exceed:%d: cn1Label=queue exceeded cs1=\$direction:%s: cs1Label=Direction src=\$ip:%s: spt=\$port:%u: dst=\$ip:%s: dpt=\$port:%u:                                                                             |                           |              |                |
| Example                      |                    | cn1=1000 cn1Label=queue exceeded cs1=Forward cs1Label=Direction src=1.1.1.1 spt=80 dst=1.1.1.1 dpt=80                                                                                                                 |                           |              |                |
| SYSLOG                       |                    |                                                                                                                                                                                                                       |                           |              |                |
| Format                       |                    | Conn proxy queue depth exceeds limit (\$q_exceed:%d:) \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                                                       |                           |              |                |
| Example                      |                    | Conn proxy queue depth exceeds limit (1000) Forward src=1.1.1.1 port 80 dst=1.1.1.1 port 80                                                                                                                           |                           |              |                |
| Variable                     | Type               | Value                                                                                                                                                                                                                 |                           | Description  |                |
| q_exceed                     | Integer            | 1000                                                                                                                                                                                                                  |                           | Queue limit  |                |
| direction                    | String             | {Direction}                                                                                                                                                                                                           |                           | Direction    |                |
| ip                           | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                        |                           | ipv4 address |                |
| port                         | Unsigned Integer   | {Port}                                                                                                                                                                                                                |                           | Port         |                |
| proxy_queue_depth_exceeds_v6 | 487198000314056738 | Both Local and Remote                                                                                                                                                                                                 | HTTP queue depth exceeded | warning      | slb.http-proxy |
| CEF                          |                    |                                                                                                                                                                                                                       |                           |              |                |
| Format                       |                    | cn1=\$q_exceed:%d: cn1Label=queue exceeded cs1=\$direction:%s: cs1Label=Direction c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                           |              |                |
| Example                      |                    | cn1=1000 cn1Label=queue exceeded cs1=Forward cs1Label=Direction c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                    |                           |              |                |
| SYSLOG                       |                    |                                                                                                                                                                                                                       |                           |              |                |

| Format              |                    |                       |                 |              |                | Conn proxy queue depth exceeds limit (\$q_exceed:%d:) \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:         |
|---------------------|--------------------|-----------------------|-----------------|--------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Example             |                    |                       |                 |              |                | Conn proxy queue depth exceeds limit (1000) Forward src=1::1 port 80 dst=1::1 port 80                                                   |
| Variable            | Type               | Value                 |                 | Description  |                |                                                                                                                                         |
| q_exceed            | Integer            | 1000                  |                 | Queue limit  |                |                                                                                                                                         |
| direction           | String             | {Direction}           |                 | Direction    |                |                                                                                                                                         |
| ip                  | IP V6 Address      | {ipv6_address}        |                 | ipv6 address |                |                                                                                                                                         |
| port                | Unsigned Integer   | {Port}                |                 | Port         |                |                                                                                                                                         |
| src_v6              | IP V6 Address      | {ipv6_address}        |                 | ipv6 address |                |                                                                                                                                         |
| dest_v6             | IP V6 Address      | {ipv6_address}        |                 | ipv6 address |                |                                                                                                                                         |
| proxy_queue_full    | 487198000314056725 | Both Local and Remote | HTTP queue full | warning      | slb.http-proxy |                                                                                                                                         |
| CEF                 |                    |                       |                 |              |                |                                                                                                                                         |
| Format              |                    |                       |                 |              |                | cs1=\$queue_full:%s: cs1Label=queue full                                                                                                |
| Example             |                    |                       |                 |              |                | cs1=1000 cs1Label=queue full                                                                                                            |
| SYSLOG              |                    |                       |                 |              |                |                                                                                                                                         |
| Format              |                    |                       |                 |              |                | \$queue_full:%s:                                                                                                                        |
| Example             |                    |                       |                 |              |                | 1000                                                                                                                                    |
| Variable            | Type               | Value                 |                 | Description  |                |                                                                                                                                         |
| queue_full          | String             | 1000                  |                 | Queue limit  |                |                                                                                                                                         |
| proxy_queue_full_v4 | 487198000314056737 | Both Local and Remote | HTTP queue full | warning      | slb.http-proxy |                                                                                                                                         |
| CEF                 |                    |                       |                 |              |                |                                                                                                                                         |
| Format              |                    |                       |                 |              |                | cs1=\$queue_full:%s: cs1Label=queue full cs2=\$direction:%s: cs2Label=Direction src=\$ip:%s: spt=\$port:%u: dst=\$ip:%s: dpt=\$port:%u: |
| Example             |                    |                       |                 |              |                | cs1=1000 cs1Label=queue full cs2=Forward cs2Label=Direction src=1.1.1.1 spt=80 dst=1.1.1.1 dpt=80                                       |
| SYSLOG              |                    |                       |                 |              |                |                                                                                                                                         |
| Format              |                    |                       |                 |              |                | \$queue_full:%s: \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                              |
| Example             |                    |                       |                 |              |                | 1000 Forward src=1.1.1.1 port 80 dst=1.1.1.1 port 80                                                                                    |
|                     |                    |                       |                 |              |                |                                                                                                                                         |

| Variable            | Type                                                                                                                                                                                                                | Value                 |                    | Description  |                |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|--------------|----------------|
| queue_full          | String                                                                                                                                                                                                              | 1000                  |                    | Queue limit  |                |
| direction           | String                                                                                                                                                                                                              | {Direction}           |                    | Direction    |                |
| ip                  | IP V4 Address                                                                                                                                                                                                       | {ipv4_address}        |                    | ipv4 address |                |
| port                | Unsigned Integer                                                                                                                                                                                                    | {Port}                |                    | Port         |                |
| proxy_queue_full_v6 | 487198000314056739                                                                                                                                                                                                  | Both Local and Remote | HTTP queue full    | warning      | slb.http-proxy |
| CEF                 |                                                                                                                                                                                                                     |                       |                    |              |                |
| Format              | cs1=\$queue_full:%s: cs1Label=queue full cs2=\$direction:%s: cs2Label=Direction c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                       |                    |              |                |
| Example             | cs1=1000 cs1Label=queue full cs2=Forward cs2Label=Direction c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                      |                       |                    |              |                |
| SYSLOG              |                                                                                                                                                                                                                     |                       |                    |              |                |
| Format              | \$queue_full:%s: \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                                                                                          |                       |                    |              |                |
| Example             | 1000 Forward src=1::1 port 80 dst=1::1 port 80                                                                                                                                                                      |                       |                    |              |                |
| Variable            | Type                                                                                                                                                                                                                | Value                 |                    | Description  |                |
| queue_full          | String                                                                                                                                                                                                              | 1000                  |                    | Queue limit  |                |
| direction           | String                                                                                                                                                                                                              | {Direction}           |                    | Direction    |                |
| ip                  | IP V6 Address                                                                                                                                                                                                       | {ipv6_address}        |                    | ipv6 address |                |
| port                | Unsigned Integer                                                                                                                                                                                                    | {Port}                |                    | Port         |                |
| src_v6              | IP V6 Address                                                                                                                                                                                                       | {ipv6_address}        |                    | ipv6 address |                |
| dest_v6             | IP V6 Address                                                                                                                                                                                                       | {ipv6_address}        |                    | ipv6 address |                |
| queue_depth_exceed  | 487198000314056714                                                                                                                                                                                                  | Both Local and Remote | Queue depth exceed | warning      | slb.http-proxy |
| CEF                 |                                                                                                                                                                                                                     |                       |                    |              |                |
| Format              | cn1=\$queue:%d: cn1Label=queue depth exceed                                                                                                                                                                         |                       |                    |              |                |
| Example             | cn1=0 cn1Label=queue depth exceed                                                                                                                                                                                   |                       |                    |              |                |
| SYSLOG              |                                                                                                                                                                                                                     |                       |                    |              |                |

|                       |                    |                                                                                                                                                                                                                        |                    |               |                |
|-----------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|----------------|
| Format                |                    | Conn proxy queue depth exceeds limit (\$queue:%d:)                                                                                                                                                                     |                    |               |                |
| Example               |                    | Conn proxy queue depth exceeds limit (0)                                                                                                                                                                               |                    |               |                |
| Variable              | Type               | Value                                                                                                                                                                                                                  |                    | Description   |                |
| queue                 | Integer            | 0-2147483647                                                                                                                                                                                                           |                    | total exceeds |                |
| queue_depth_exceed_v4 | 487198000314056740 | Both Local and Remote                                                                                                                                                                                                  | Queue depth exceed | warning       | slb.http-proxy |
| CEF                   |                    |                                                                                                                                                                                                                        |                    |               |                |
| Format                |                    | cn1=\$queue:%d: cn1Label=queue depth exceed cs1=\$direction:%s: cs1Label=Direction src=\$ip:%s: spt=\$port:%u: dst=\$ip:%s: dpt=\$port:%u:                                                                             |                    |               |                |
| Example               |                    | cn1=0 cn1Label=queue depth exceed cs1=Forward cs1Label=Direction src=1.1.1.1 spt=80 dst=1.1.1.1 dpt=80                                                                                                                 |                    |               |                |
| SYSLOG                |                    |                                                                                                                                                                                                                        |                    |               |                |
| Format                |                    | Conn proxy queue depth exceeds limit (\$queue:%d:) \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                                                           |                    |               |                |
| Example               |                    | Conn proxy queue depth exceeds limit (0) Forward src=1.1.1.1 port 80 dst=1.1.1.1 port 80                                                                                                                               |                    |               |                |
| Variable              | Type               | Value                                                                                                                                                                                                                  |                    | Description   |                |
| queue                 | Integer            | 0-2147483647                                                                                                                                                                                                           |                    | total exceeds |                |
| direction             | String             | {Direction}                                                                                                                                                                                                            |                    | Direction     |                |
| ip                    | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                         |                    | ipv4 address  |                |
| port                  | Unsigned Integer   | {Port}                                                                                                                                                                                                                 |                    | Port          |                |
| queue_depth_exceed_v6 | 487198000314056742 | Both Local and Remote                                                                                                                                                                                                  | Queue depth exceed | warning       | slb.http-proxy |
| CEF                   |                    |                                                                                                                                                                                                                        |                    |               |                |
| Format                |                    | cn1=\$queue:%d: cn1Label=queue depth exceed cs1=\$direction:%s: cs1Label=Direction c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                    |               |                |
| Example               |                    | cn1=0 cn1Label=queue depth exceed cs1=Forward cs1Label=Direction c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                    |                    |               |                |
| SYSLOG                |                    |                                                                                                                                                                                                                        |                    |               |                |
| Format                |                    | Conn proxy queue depth exceeds limit (\$queue:%d:) \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                                                           |                    |               |                |
| Example               |                    | Conn proxy queue depth exceeds limit (0) Forward src=1::1 port 80 dst=1::1 port 80                                                                                                                                     |                    |               |                |
| Variable              | Type               | Value                                                                                                                                                                                                                  |                    | Description   |                |

|               |                                                                                                                                                                                       |                       |            |                   |                |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-------------------|----------------|
| queue         | Integer                                                                                                                                                                               | 0-2147483647          |            | total exceeds     |                |
| direction     | String                                                                                                                                                                                | {Direction}           |            | Direction         |                |
| ip            | IP V6 Address                                                                                                                                                                         | {ipv6_address}        |            | ipv6 address      |                |
| port          | Unsigned Integer                                                                                                                                                                      | {Port}                |            | Port              |                |
| src_v6        | IP V6 Address                                                                                                                                                                         | {ipv6_address}        |            | ipv6 address      |                |
| dest_v6       | IP V6 Address                                                                                                                                                                         | {ipv6_address}        |            | ipv6 address      |                |
| queue_full    | 487198000314056715                                                                                                                                                                    | Both Local and Remote | Queue full | warning           | slb.http-proxy |
| CEF           |                                                                                                                                                                                       |                       |            |                   |                |
| Format        | cn1=\$collect:%d: cn1Label=collect so far cn2=\$exceeded:%d: cn2Label=collect exceeded                                                                                                |                       |            |                   |                |
| Example       | cn1=1 cn1Label=collect so far cn2=0 cn2Label=collect exceeded                                                                                                                         |                       |            |                   |                |
| SYSLOG        |                                                                                                                                                                                       |                       |            |                   |                |
| Format        | Proxy queue full. collected \$collect:%d: bytes exiting HTTP::collect... (\$exceeded:%d:)                                                                                             |                       |            |                   |                |
| Example       | Proxy queue full. collected 1 bytes exiting HTTP::collect... (0)                                                                                                                      |                       |            |                   |                |
| Variable      | Type                                                                                                                                                                                  | Value                 |            | Description       |                |
| collect       | Integer                                                                                                                                                                               | 1-64000               |            | Collect           |                |
| exceeded      | Integer                                                                                                                                                                               | 0-1                   |            | enable exceed log |                |
| queue_full_v4 | 487198000314056741                                                                                                                                                                    | Both Local and Remote | Queue full | warning           | slb.http-proxy |
| CEF           |                                                                                                                                                                                       |                       |            |                   |                |
| Format        | cn1=\$collect:%d: cn1Label=collect so far cn2=\$exceeded:%d: cn2Label=collect exceeded cs1=\$direction:%s: cs1Label=Direction src=\$ip:%s: spt=\$port:%u: dst=\$ip:%s: dpt=\$port:%u: |                       |            |                   |                |
| Example       | cn1=1 cn1Label=collect so far cn2=0 cn2Label=collect exceeded cs1=Forward cs1Label=Direction src=1.1.1.1 spt=80 dst=1.1.1.1 dpt=80                                                    |                       |            |                   |                |
| SYSLOG        |                                                                                                                                                                                       |                       |            |                   |                |
| Format        | Proxy queue full. collected \$collect:%d: bytes exiting HTTP::collect... (\$exceeded:%d:) \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                   |                       |            |                   |                |
| Example       | Proxy queue full. collected 1 bytes exiting HTTP::collect... (0) Forward src=1.1.1.1 port 80 dst=1.1.1.1 port 80                                                                      |                       |            |                   |                |
| Variable      | Type                                                                                                                                                                                  | Value                 |            | Description       |                |

|                  |                                                                                                                                                                                                                                                                   |                       |                             |                   |                |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|-------------------|----------------|
| collect          | Integer                                                                                                                                                                                                                                                           | 1-64000               |                             | Collect           |                |
| exceeded         | Integer                                                                                                                                                                                                                                                           | 0-1                   |                             | enable exceed log |                |
| direction        | String                                                                                                                                                                                                                                                            | {Direction}           |                             | Direction         |                |
| ip               | IP V4 Address                                                                                                                                                                                                                                                     | {ipv4_address}        |                             | ipv4 address      |                |
| port             | Unsigned Integer                                                                                                                                                                                                                                                  | {Port}                |                             | Port              |                |
| queue_full_v6    | 487198000314056743                                                                                                                                                                                                                                                | Both Local and Remote | Queue full                  | warning           | slb.http-proxy |
| CEF              |                                                                                                                                                                                                                                                                   |                       |                             |                   |                |
| Format           | cn1=\$collect:%d: cn1Label=collect so far cn2=\$exceeded:%d: cn2Label=collect exceeded cs1=\$direction:%s: cs1Label=Direction c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                       |                             |                   |                |
| Example          | cn1=1 cn1Label=collect so far cn2=0 cn2Label=collect exceeded cs1=Forward cs1Label=Direction c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                                   |                       |                             |                   |                |
| SYSLOG           |                                                                                                                                                                                                                                                                   |                       |                             |                   |                |
| Format           | Proxy queue full. collected \$collect:%d: bytes exiting HTTP::collect... (\$exceeded:%d:) \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port \$port:%u:                                                                                               |                       |                             |                   |                |
| Example          | Proxy queue full. collected 1 bytes exiting HTTP::collect... (0) Forward src=1::1 port 80 dst=1::1 port 80                                                                                                                                                        |                       |                             |                   |                |
| Variable         | Type                                                                                                                                                                                                                                                              | Value                 |                             | Description       |                |
| collect          | Integer                                                                                                                                                                                                                                                           | 1-64000               |                             | Collect           |                |
| exceeded         | Integer                                                                                                                                                                                                                                                           | 0-1                   |                             | enable exceed log |                |
| direction        | String                                                                                                                                                                                                                                                            | {Direction}           |                             | Direction         |                |
| ip               | IP V6 Address                                                                                                                                                                                                                                                     | {ipv6_address}        |                             | ipv6 address      |                |
| port             | Unsigned Integer                                                                                                                                                                                                                                                  | {Port}                |                             | Port              |                |
| src_v6           | IP V6 Address                                                                                                                                                                                                                                                     | {ipv6_address}        |                             | ipv6 address      |                |
| dest_v6          | IP V6 Address                                                                                                                                                                                                                                                     | {ipv6_address}        |                             | ipv6 address      |                |
| too_many_headers | 487198000314056717                                                                                                                                                                                                                                                | Both Local and Remote | Too many headers in request | warning           | slb.http-proxy |
| CEF              |                                                                                                                                                                                                                                                                   |                       |                             |                   |                |
| Format           | cn1=\$header:%d: cn1Label=too many header                                                                                                                                                                                                                         |                       |                             |                   |                |
| Example          | cn1=0 cn1Label=too many header                                                                                                                                                                                                                                    |                       |                             |                   |                |

| SYSLOG                   |                    |                                                                                                                                                                                                                                                                            |                             |                     |                |
|--------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|----------------|
| Format                   |                    | HTTP request contains more than \$header:%d: headers                                                                                                                                                                                                                       |                             |                     |                |
| Example                  |                    | HTTP request contains more than 0 headers                                                                                                                                                                                                                                  |                             |                     |                |
| Variable                 | Type               | Value                                                                                                                                                                                                                                                                      |                             | Description         |                |
| header                   | Integer            | 0-90                                                                                                                                                                                                                                                                       |                             | header number       |                |
| too_many_headers_ip      | 487198000314056749 | Both Local and Remote                                                                                                                                                                                                                                                      | Too many headers in request | warning             | slb.http-proxy |
| CEF                      |                    |                                                                                                                                                                                                                                                                            |                             |                     |                |
| Format                   |                    | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$header:%d: cn2Label=too many header |                             |                     |                |
| Example                  |                    | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=0 cn2Label=too many header                                                                        |                             |                     |                |
| SYSLOG                   |                    |                                                                                                                                                                                                                                                                            |                             |                     |                |
| Format                   |                    | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: HTTP request contains more than \$header:%d: headers                                                                                     |                             |                     |                |
| Example                  |                    | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 HTTP request contains more than 0 headers                                                                                                                                                                  |                             |                     |                |
| Variable                 | Type               | Value                                                                                                                                                                                                                                                                      |                             | Description         |                |
| src_ipv4                 | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                             |                             | ipv4 address        |                |
| src_ipv6                 | IP V6 Address      | {ipv6_address}                                                                                                                                                                                                                                                             |                             | ipv6 address        |                |
| port                     | Unsigned Integer   | {Port}                                                                                                                                                                                                                                                                     |                             | Port                |                |
| dst_ipv4                 | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                             |                             | ipv4 address        |                |
| dst_ipv6                 | IP V6 Address      | {ipv6_address}                                                                                                                                                                                                                                                             |                             | ipv6 address        |                |
| vip                      | String             | {Virtual_Server_Name}                                                                                                                                                                                                                                                      |                             | Virtual Server Name |                |
| vport                    | Integer            | 0-65534                                                                                                                                                                                                                                                                    |                             | Virtual Port        |                |
| header                   | Integer            | 0-90                                                                                                                                                                                                                                                                       |                             | header number       |                |
| ip                       | IP V4 Address      | {ipv4_address}                                                                                                                                                                                                                                                             |                             | ipv4 address        |                |
| too_many_response_header | 487198000314056718 | Both Local and Remote                                                                                                                                                                                                                                                      | Too many response header    | warning             | slb.http-proxy |
| CEF                      |                    |                                                                                                                                                                                                                                                                            |                             |                     |                |



|                             |                                                                                                                                                                                                                                                                                     |                       |                          |                     |                |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|---------------------|----------------|
| Format                      | cn1=\$header:%d: cn1Label=too many response header                                                                                                                                                                                                                                  |                       |                          |                     |                |
| Example                     | cn1=0 cn1Label=too many response header                                                                                                                                                                                                                                             |                       |                          |                     |                |
| SYSLOG                      |                                                                                                                                                                                                                                                                                     |                       |                          |                     |                |
| Format                      | HTTP response contains more than \$header:%d: headers                                                                                                                                                                                                                               |                       |                          |                     |                |
| Example                     | HTTP response contains more than 0 headers                                                                                                                                                                                                                                          |                       |                          |                     |                |
| Variable                    | Type                                                                                                                                                                                                                                                                                | Value                 |                          | Description         |                |
| header                      | Integer                                                                                                                                                                                                                                                                             | 0-90                  |                          | header number       |                |
| too_many_response_header_ip | 487198000314056750                                                                                                                                                                                                                                                                  | Both Local and Remote | Too many response header | warning             | slb.http-proxy |
| CEF                         |                                                                                                                                                                                                                                                                                     |                       |                          |                     |                |
| Format                      | src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: cs1=\$vip:%s: cs1Label=vip cn1=\$vport:%d: cn1Label=vport cn2=\$header:%d: cn2Label=too many response header |                       |                          |                     |                |
| Example                     | src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80 cs1=vip cs1Label=vip cn1=0 cn1Label=vport cn2=0 cn2Label=too many response header                                                                        |                       |                          |                     |                |
| SYSLOG                      |                                                                                                                                                                                                                                                                                     |                       |                          |                     |                |
| Format                      | src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u: \$vip:%s: \$vport:%d: HTTP response contains more than \$header:%d: headers                                                                                             |                       |                          |                     |                |
| Example                     | src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80 vip 0 HTTP response contains more than 0 headers                                                                                                                                                                          |                       |                          |                     |                |
| Variable                    | Type                                                                                                                                                                                                                                                                                | Value                 |                          | Description         |                |
| src_ipv4                    | IP V4 Address                                                                                                                                                                                                                                                                       | {ipv4_address}        |                          | ipv4 address        |                |
| src_ipv6                    | IP V6 Address                                                                                                                                                                                                                                                                       | {ipv6_address}        |                          | ipv6 address        |                |
| port                        | Unsigned Integer                                                                                                                                                                                                                                                                    | {Port}                |                          | Port                |                |
| dst_ipv4                    | IP V4 Address                                                                                                                                                                                                                                                                       | {ipv4_address}        |                          | ipv4 address        |                |
| dst_ipv6                    | IP V6 Address                                                                                                                                                                                                                                                                       | {ipv6_address}        |                          | ipv6 address        |                |
| vip                         | String                                                                                                                                                                                                                                                                              | {Virtual_Server_Name} |                          | Virtual Server Name |                |
| vport                       | Integer                                                                                                                                                                                                                                                                             | 0-65534               |                          | Virtual Port        |                |
| header                      | Integer                                                                                                                                                                                                                                                                             | 0-90                  |                          | header number       |                |
| ip                          | IP V4 Address                                                                                                                                                                                                                                                                       | {ipv4_address}        |                          | ipv4 address        |                |

|                |                                                                                                                                                                                                                                                               |                       |                                       |               |                |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|---------------|----------------|
| unknown_cookie | 487198000314056705                                                                                                                                                                                                                                            | Both Local and Remote | HTTP Cookie header has unknown format | warning       | slb.http-proxy |
| CEF            |                                                                                                                                                                                                                                                               |                       |                                       |               |                |
| Format         | cn1=\$cookie:%d: cn1Label=unknown cookie length cs1=\$direction:%s: cs1Label=Direction src=\$src_ipv4:%s: c6a2=\$src_ipv6:%s: c6a2Label=Source IPv6 Address spt=\$port:%u: dst=\$ip:%s: c6a3=\$dst_ipv6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                       |                                       |               |                |
| Example        | cn1=1000 cn1Label=unknown cookie length cs1=Forward cs1Label=Direction src=1.1.1.1 c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 dst=1.1.1.1 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                             |                       |                                       |               |                |
| SYSLOG         |                                                                                                                                                                                                                                                               |                       |                                       |               |                |
| Format         | HTTP Cookie header has unknown format (len = \$cookie:%d:, \$direction:%s: src=\$src_ipv4:%s: src=\$src_ipv6:%s: port \$port:%u: dst=\$dst_ipv4:%s: dst=\$dst_ipv6:%s: port \$port:%u:)                                                                       |                       |                                       |               |                |
| Example        | HTTP Cookie header has unknown format (len = 1000, Forward src=1.1.1.1 src=1::1 port 80 dst=1.1.1.1 dst=1::1 port 80)                                                                                                                                         |                       |                                       |               |                |
| Variable       | Type                                                                                                                                                                                                                                                          | Value                 |                                       | Description   |                |
| cookie         | Integer                                                                                                                                                                                                                                                       | {Cookie_length}       |                                       | Cookie length |                |
| direction      | String                                                                                                                                                                                                                                                        | {Direction}           |                                       | Direction     |                |
| src_ipv4       | IP V4 Address                                                                                                                                                                                                                                                 | {ipv4_address}        |                                       | ipv4 address  |                |
| src_ipv6       | IP V6 Address                                                                                                                                                                                                                                                 | {ipv6_address}        |                                       | ipv6 address  |                |
| port           | Unsigned Integer                                                                                                                                                                                                                                              | {Port}                |                                       | Port          |                |
| dst_ipv4       | IP V4 Address                                                                                                                                                                                                                                                 | {ipv4_address}        |                                       | ipv4 address  |                |
| dst_ipv6       | IP V6 Address                                                                                                                                                                                                                                                 | {ipv6_address}        |                                       | ipv6 address  |                |
| ip             | IP V4 Address                                                                                                                                                                                                                                                 | {ipv4_address}        |                                       | ipv4 address  |                |
| vport_retry    | 487198000314056707                                                                                                                                                                                                                                            | Both Local and Remote | HTTP Processing of aflex retry        | information   | slb.http-proxy |
| CEF            |                                                                                                                                                                                                                                                               |                       |                                       |               |                |
| Format         | cs1=\$vsname:%s: cs1Label=vserver name cn1=\$port:%d: cn1Label=vport number                                                                                                                                                                                   |                       |                                       |               |                |
| Example        | cs1=virtual_server_name cs1Label=vserver name cn1=80 cn1Label=vport number                                                                                                                                                                                    |                       |                                       |               |                |
| SYSLOG         |                                                                                                                                                                                                                                                               |                       |                                       |               |                |
| Format         | HTTP Retry on virtual server \$vsname:%s: service port \$port:%d:.                                                                                                                                                                                            |                       |                                       |               |                |
| Example        | HTTP Retry on virtual server virtual_server_name service port 80.                                                                                                                                                                                             |                       |                                       |               |                |
| Variable       | Type                                                                                                                                                                                                                                                          | Value                 |                                       | Description   |                |

|                |                                                      |                       |                             |                     |                 |
|----------------|------------------------------------------------------|-----------------------|-----------------------------|---------------------|-----------------|
| vsname         | String                                               | {Virtual_Server_Name} |                             | Virtual Server Name |                 |
| port           | Integer                                              | {virtual_port_number} |                             | virtual port number |                 |
| decompress_len | 486986894081523717                                   | Both Local and Remote | Decompression length error  | information         | slb.hw-compress |
| CEF            |                                                      |                       |                             |                     |                 |
| Format         | cn1=\$len:%d: cn1Label=decompression length          |                       |                             |                     |                 |
| Example        | cn1=1000 cn1Label=decompression length               |                       |                             |                     |                 |
| SYSLOG         |                                                      |                       |                             |                     |                 |
| Format         | decompression len = \$len:%d:                        |                       |                             |                     |                 |
| Example        | decompression len = 1000                             |                       |                             |                     |                 |
| Variable       | Type                                                 | Value                 |                             | Description         |                 |
| len            | Integer                                              | {Compression_length}  |                             | Compression length  |                 |
| deflate_error  | 486986894081523716                                   | Both Local and Remote | Deflate string length error | information         | slb.hw-compress |
| CEF            |                                                      |                       |                             |                     |                 |
| Format         | cs1=\$str:%s: cs1Label=deflate error                 |                       |                             |                     |                 |
| Example        | cs1=Length check fails cs1Label=deflate error        |                       |                             |                     |                 |
| SYSLOG         |                                                      |                       |                             |                     |                 |
| Format         | \$str:%s:                                            |                       |                             |                     |                 |
| Example        | Length check fails                                   |                       |                             |                     |                 |
| Variable       | Type                                                 | Value                 |                             | Description         |                 |
| str            | String                                               | {Compression_string}  |                             | Compression string  |                 |
| error          | 486986894081523714                                   | Both Local and Remote | Unknown decompression error | error               | slb.hw-compress |
| CEF            |                                                      |                       |                             |                     |                 |
| Format         | cs1=\$error:%s: cs1Label=decompression error         |                       |                             |                     |                 |
| Example        | cs1=Decompression error cs1Label=decompression error |                       |                             |                     |                 |
|                |                                                      |                       |                             |                     |                 |

|          |                    |                                                                                          |                               |                    |                 |
|----------|--------------------|------------------------------------------------------------------------------------------|-------------------------------|--------------------|-----------------|
| SYSLOG   |                    |                                                                                          |                               |                    |                 |
| Format   |                    | \$error:%s:                                                                              |                               |                    |                 |
| Example  |                    | Decompression error                                                                      |                               |                    |                 |
| Variable | Type               | Value                                                                                    |                               | Description        |                 |
| error    | String             | {Compression_string}                                                                     |                               | Compression string |                 |
| info     | 486986894081523713 | Both Local and Remote                                                                    | Compression information       | information        | slb.hw-compress |
| CEF      |                    |                                                                                          |                               |                    |                 |
| Format   |                    | cn1=\$len:%d: cn1Label=total len cn2=\$init:%d: cn2Label=init cn3=\$fin:%d: cn3Label=fin |                               |                    |                 |
| Example  |                    | cn1=1000 cn1Label=total len cn2=1 cn2Label=init cn3=1 cn3Label=fin                       |                               |                    |                 |
| SYSLOG   |                    |                                                                                          |                               |                    |                 |
| Format   |                    | compression len = \$len:%d:, init =\$init:%d:, fin=\$fin:%d:                             |                               |                    |                 |
| Example  |                    | compression len = 1000, init =1, fin=1                                                   |                               |                    |                 |
| Variable | Type               | Value                                                                                    |                               | Description        |                 |
| len      | Integer            | {Compression_length}                                                                     |                               | Compression length |                 |
| init     | Integer            | {Compression_init}                                                                       |                               | Compression init   |                 |
| fin      | Integer            | {Compression_finish}                                                                     |                               | Compression finish |                 |
| len      | 486986894081523715 | Both Local and Remote                                                                    | SPDY compression length error | information        | slb.hw-compress |
| CEF      |                    |                                                                                          |                               |                    |                 |
| Format   |                    | cn1=\$len:%d: cn1Label=compression length                                                |                               |                    |                 |
| Example  |                    | cn1=1000 cn1Label=compression length                                                     |                               |                    |                 |
| SYSLOG   |                    |                                                                                          |                               |                    |                 |
| Format   |                    | compression len = \$len:%d:                                                              |                               |                    |                 |
| Example  |                    | compression len = 1000                                                                   |                               |                    |                 |
| Variable | Type               | Value                                                                                    |                               | Description        |                 |
| len      | Integer            | {Compression_length}                                                                     |                               | Compression length |                 |
|          |                    |                                                                                          |                               |                    |                 |

|                   |                                                                                                       |                       |                                              |              |                |
|-------------------|-------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------|--------------|----------------|
| proxy_line_long   | 487285961244278785                                                                                    | Both Local and Remote | IMAP line too long                           | warning      | slb.imap-proxy |
| CEF               |                                                                                                       |                       |                                              |              |                |
| Format            | cn1=\$len_1:%u: cn1Label=len cn2=\$len_2:%u: cn2Label=len - 2 cs1=\$request:%s: cs1Label=request line |                       |                                              |              |                |
| Example           | cn1=1000 cn1Label=len cn2=2000 cn2Label=len - 2 cs1=imap_request cs1Label=request line                |                       |                                              |              |                |
| SYSLOG            |                                                                                                       |                       |                                              |              |                |
| Format            | IMAP line too long len \$len_1:%u:, len \$len_2:%u: request_line \$request:%s:                        |                       |                                              |              |                |
| Example           | IMAP line too long len 1000, len 2000 request_line imap_request                                       |                       |                                              |              |                |
| Variable          | Type                                                                                                  | Value                 |                                              | Description  |                |
| len_1             | Unsigned Integer                                                                                      | {Length_1}            |                                              | Length 1     |                |
| len_2             | Unsigned Integer                                                                                      | {Length_2}            |                                              | Length 2     |                |
| request           | String                                                                                                | {IMAP_request}        |                                              | IMAP request |                |
| class_list_policy | 487074855011745797                                                                                    | Both Local and Remote | Service contains no class-list or aaa-policy | warning      | slb.mssql      |
| CEF               |                                                                                                       |                       |                                              |              |                |
| Format            | cs1=\$service:%s: cs1Label=Service name                                                               |                       |                                              |              |                |
| Example           | cs1=service1 cs1Label=Service name                                                                    |                       |                                              |              |                |
| SYSLOG            |                                                                                                       |                       |                                              |              |                |
| Format            | Service \$service:%s: contains no class-list or aaa-policy for authentication                         |                       |                                              |              |                |
| Example           | Service service1 contains no class-list or aaa-policy for authentication                              |                       |                                              |              |                |
| Variable          | Type                                                                                                  | Value                 |                                              | Description  |                |
| service           | String                                                                                                | {service_name}        |                                              | service name |                |
| conn_failure      | 487074855011745799                                                                                    | Both Local and Remote | server connection failure                    | warning      | slb.mssql      |
| CEF               |                                                                                                       |                       |                                              |              |                |
| Format            | cs1=\$file:%s: cs1Label=source file name cn1=\$line:%d: cn1Label=line number in source file           |                       |                                              |              |                |
| Example           | cs1=file1 cs1Label=source file name cn1=1110 cn1Label=line number in source file                      |                       |                                              |              |                |
| SYSLOG            |                                                                                                       |                       |                                              |              |                |

| Format    |                    | Server connection failure at \$file:%s: : \$line:%d:                                                                                                                                                        |                             |               |           |
|-----------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|-----------|
| Example   |                    | Server connection failure at file1 : 1110                                                                                                                                                                   |                             |               |           |
| Variable  | Type               | Value                                                                                                                                                                                                       |                             | Description   |           |
| file      | String             | {file_name}                                                                                                                                                                                                 |                             | file name     |           |
| line      | Integer            | {line_number}                                                                                                                                                                                               |                             | line number   |           |
| log       | 487074855011745793 | Both Local and Remote                                                                                                                                                                                       | mssql log message           | warning       | slb.mssql |
| CEF       |                    |                                                                                                                                                                                                             |                             |               |           |
| Format    |                    | cs1=\$log:%s: cs1Label=log message                                                                                                                                                                          |                             |               |           |
| Example   |                    | cs1=test123 cs1Label=log message                                                                                                                                                                            |                             |               |           |
| SYSLOG    |                    |                                                                                                                                                                                                             |                             |               |           |
| Format    |                    | \$log:%s:                                                                                                                                                                                                   |                             |               |           |
| Example   |                    | test123                                                                                                                                                                                                     |                             |               |           |
| Variable  | Type               | Value                                                                                                                                                                                                       |                             | Description   |           |
| log       | String             | {log_message}                                                                                                                                                                                               |                             | log message   |           |
| message   | 487074855011745795 | Both Local and Remote                                                                                                                                                                                       | Unexpected message received | error         | slb.mssql |
| CEF       |                    |                                                                                                                                                                                                             |                             |               |           |
| Format    |                    | cs1=\$error_str:%s: cs1Label=error string cn1=\$msg_type:%d: cn1Label=Message type cn2=\$msg_length:%d: cn2Label=Message length                                                                             |                             |               |           |
| Example   |                    | cs1=lb_mssql_process_server_prelogin_response: ERROR: not a prelogin response message. cs1Label=error string cn1=1 cn1Label=Message type cn2=0 cn2Label=Message length                                      |                             |               |           |
| SYSLOG    |                    |                                                                                                                                                                                                             |                             |               |           |
| Format    |                    | \$error_str:%s: \$msg_type:%d: \$msg_length:%d:                                                                                                                                                             |                             |               |           |
| Example   |                    | lb_mssql_process_server_prelogin_response: ERROR: not a prelogin response message. 1 0                                                                                                                      |                             |               |           |
| Variable  | Type               | Value                                                                                                                                                                                                       |                             | Description   |           |
| error_str | String             | lb_mssql_process_server_prelogin_response: ERROR: not a prelogin response message.<br>lb_mssql_process_client_prelogin: ERROR: not a prelogin message.<br>lb_mssql_process_client_login: ERROR: not a login |                             | error message |           |

|                     |                                                                                           |                                                                                                                           |                          |               |           |
|---------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|-----------|
|                     |                                                                                           | message.                                                                                                                  |                          |               |           |
| msg_type            | Integer                                                                                   | 1                                                                                                                         | message type             |               |           |
|                     |                                                                                           | 4                                                                                                                         |                          |               |           |
|                     |                                                                                           | 16                                                                                                                        |                          |               |           |
|                     |                                                                                           | 24                                                                                                                        |                          |               |           |
|                     |                                                                                           | 18                                                                                                                        |                          |               |           |
| msg_length          | Integer                                                                                   | 0-65536                                                                                                                   |                          | length        |           |
| route_not_found     | 487074855011745798                                                                        | Both Local and Remote                                                                                                     | route is not found       | warning       | slb.mssql |
| CEF                 |                                                                                           |                                                                                                                           |                          |               |           |
| Format              | cn1=\$daddr:%x: cn1Label=Destination address                                              |                                                                                                                           |                          |               |           |
| Example             | cn1=0x1 cn1Label=Destination address                                                      |                                                                                                                           |                          |               |           |
| SYSLOG              |                                                                                           |                                                                                                                           |                          |               |           |
| Format              | can not found route daddr \$daddr:%x:                                                     |                                                                                                                           |                          |               |           |
| Example             | can not found route daddr 0x1                                                             |                                                                                                                           |                          |               |           |
| Variable            | Type                                                                                      | Value                                                                                                                     |                          | Description   |           |
| daddr               | Hexadecimal Integer                                                                       | {dest_addr}                                                                                                               |                          | dest addr     |           |
| server_ssl_template | 487074855011745796                                                                        | Both Local and Remote                                                                                                     | mssql ssl template error | error         | slb.mssql |
| CEF                 |                                                                                           |                                                                                                                           |                          |               |           |
| Format              | cs1=\$server_name:%s: cs1Label=server name cs2=\$error_str:%s: cs2Label=error string      |                                                                                                                           |                          |               |           |
| Example             | cs1=ssl_template1 cs1Label=server name cs2=failed to create SSL CTX cs2Label=error string |                                                                                                                           |                          |               |           |
| SYSLOG              |                                                                                           |                                                                                                                           |                          |               |           |
| Format              | Server SSL template \$server_name:%s: \$error_str:%s:                                     |                                                                                                                           |                          |               |           |
| Example             | Server SSL template ssl_template1 failed to create SSL CTX                                |                                                                                                                           |                          |               |           |
| Variable            | Type                                                                                      | Value                                                                                                                     |                          | Description   |           |
| server_name         | String                                                                                    | {template_name}                                                                                                           |                          | template name |           |
|                     |                                                                                           | failed to create SSL CTX<br>private key passphrase error<br>failed to open certificate file<br>certificate parsing failed |                          |               |           |

|                        |                                                                              |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
|------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------|-------------|---------------|
| error_str              | String                                                                       | failed to open private key file<br>key parsing failed<br>failed to check cert/key<br>another SSL Module have been enabled in the system<br>failed to create SSL Engine<br>failed to check matching CRL/CA<br>failed to load CRL, file format error<br>Context creation failed as maximum number of SSL contexts limit is reached |                                |         |             | error message |
| token                  | 487074855011745794                                                           | Both Local and Remote                                                                                                                                                                                                                                                                                                            | unknown token error            | warning | slb.mssql   |               |
| CEF                    |                                                                              |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Format                 | cn1=\$token_type:%x: cn1Label=Token type                                     |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Example                | cn1=0x0 cn1Label=Token type                                                  |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| SYSLOG                 |                                                                              |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Format                 | lb_mssql_process_server_login_reply: received unknown token \$token_type:%x: |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Example                | lb_mssql_process_server_login_reply: received unknown token 0x0              |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Variable               | Type                                                                         | Value                                                                                                                                                                                                                                                                                                                            |                                |         | Description |               |
| token_type             | Hexadecimal Integer                                                          | 0x0<br>0x1<br>0x2<br>0x3<br>0x4<br>0x5<br>0xff                                                                                                                                                                                                                                                                                   |                                |         | token type  |               |
| authentication_failure | 487057262825701382                                                           | Both Local and Remote                                                                                                                                                                                                                                                                                                            | Client failure to authenticate | warning | slb.mysql   |               |
| CEF                    |                                                                              |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Format                 | cn1=\$i:%d: cn1Label=authentication error                                    |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Example                | cn1=1 cn1Label=authentication error                                          |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| SYSLOG                 |                                                                              |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Format                 | Client password authentication failure (\$i:%d:)                             |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Example                | Client password authentication failure (1)                                   |                                                                                                                                                                                                                                                                                                                                  |                                |         |             |               |
| Variable               | Type                                                                         | Value                                                                                                                                                                                                                                                                                                                            |                                |         | Description |               |



|             |                                                                                   |                       |                         |             |           |
|-------------|-----------------------------------------------------------------------------------|-----------------------|-------------------------|-------------|-----------|
| i           | Integer                                                                           | 1-20                  | sha index               |             |           |
| log         | 487057262825701377                                                                | Both Local and Remote | mysql log message       | warning     | slb.mysql |
| CEF         |                                                                                   |                       |                         |             |           |
| Format      | cs1=\$log:%s: cs1Label=log message                                                |                       |                         |             |           |
| Example     | cs1=test123 cs1Label=log message                                                  |                       |                         |             |           |
| SYSLOG      |                                                                                   |                       |                         |             |           |
| Format      | \$log:%s:                                                                         |                       |                         |             |           |
| Example     | test123                                                                           |                       |                         |             |           |
| Variable    | Type                                                                              | Value                 |                         | Description |           |
| log         | String                                                                            | {log_message}         |                         | log message |           |
| login_error | 487057262825701378                                                                | Both Local and Remote | User not found          | warning     | slb.mysql |
| CEF         |                                                                                   |                       |                         |             |           |
| Format      | cs1=\$username:%s: cs1Label=user name                                             |                       |                         |             |           |
| Example     | cs1=testuser123 cs1Label=user name                                                |                       |                         |             |           |
| SYSLOG      |                                                                                   |                       |                         |             |           |
| Format      | lb_mysql_send_login_request_to_server: ERROR, user \$username:%s: not found in DB |                       |                         |             |           |
| Example     | lb_mysql_send_login_request_to_server: ERROR, user testuser123 not found in DB    |                       |                         |             |           |
| Variable    | Type                                                                              | Value                 |                         | Description |           |
| username    | String                                                                            | {username}            |                         | username    |           |
| no_password | 487057262825701381                                                                | Both Local and Remote | user password not found | warning     | slb.mysql |
| CEF         |                                                                                   |                       |                         |             |           |
| Format      | cs1=\$username:%s: cs1Label=user name                                             |                       |                         |             |           |
| Example     | cs1=user1 cs1Label=user name                                                      |                       |                         |             |           |
| SYSLOG      |                                                                                   |                       |                         |             |           |
| Format      | couldn't find a password for user \$username:%s:                                  |                       |                         |             |           |

| Example        |                     | couldn't find a password for user user1                                                                                                                                                                        |                       |                 |           |
|----------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|-----------|
| Variable       | Type                | Value                                                                                                                                                                                                          |                       | Description     |           |
| username       | String              | {username}                                                                                                                                                                                                     |                       | username        |           |
| password_error | 487057262825701380  | Both Local and Remote                                                                                                                                                                                          | password length error | warning         | slb.mysql |
| CEF            |                     |                                                                                                                                                                                                                |                       |                 |           |
| Format         |                     | cn1=\$passlen:%x: cn1Label=password length                                                                                                                                                                     |                       |                 |           |
| Example        |                     | cn1=0 cn1Label=password length                                                                                                                                                                                 |                       |                 |           |
| SYSLOG         |                     |                                                                                                                                                                                                                |                       |                 |           |
| Format         |                     | lb_mysql_process_login_request ERROR: password length is \$passlen:%x:                                                                                                                                         |                       |                 |           |
| Example        |                     | lb_mysql_process_login_request ERROR: password length is 0                                                                                                                                                     |                       |                 |           |
| Variable       | Type                | Value                                                                                                                                                                                                          |                       | Description     |           |
| passlen        | Hexadecimal Integer | 0-20                                                                                                                                                                                                           |                       | password length |           |
| ssl_error      | 487057262825701379  | Both Local and Remote                                                                                                                                                                                          | SSL server error      | error           | slb.mysql |
| CEF            |                     |                                                                                                                                                                                                                |                       |                 |           |
| Format         |                     | cs1=\$sname:%s: cs1Label=server name cs2=\$error:%s: cs2Label=error string                                                                                                                                     |                       |                 |           |
| Example        |                     | cs1=ssl_template1 cs1Label=server name cs2=failed to create SSL CTX cs2Label=error string                                                                                                                      |                       |                 |           |
| SYSLOG         |                     |                                                                                                                                                                                                                |                       |                 |           |
| Format         |                     | Server SSL template \$sname:%s: \$error:%s:                                                                                                                                                                    |                       |                 |           |
| Example        |                     | Server SSL template ssl_template1 failed to create SSL CTX                                                                                                                                                     |                       |                 |           |
| Variable       | Type                | Value                                                                                                                                                                                                          |                       | Description     |           |
| sname          | String              | {template_name}                                                                                                                                                                                                |                       | template name   |           |
|                |                     | failed to create SSL CTX<br>private key passphrase error<br>failed to open certificate file<br>certificate parsing failed<br>failed to open private key file<br>key parsing failed<br>failed to check cert/key |                       |                 |           |
| error          | String              |                                                                                                                                                                                                                |                       | error message   |           |

another SSL Module have been enabled in the system  
failed to create SSL Engine  
failed to check matching CRL/CA  
failed to load CRL, file format error  
Context creation failed as maximum number of SSL  
contexts limit is reached

|                      |                                                                                                                                                                                                           |                       |                                          |                   |                    |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------|-------------------|--------------------|
| slb_threshold_cross  | 486459128500191233                                                                                                                                                                                        | Both Local and Remote | SLB resource threshold above limit       | alert             | slb.resource-usage |
| CEF                  |                                                                                                                                                                                                           |                       |                                          |                   |                    |
| Format               | cs1=\$resource_name:%s: cs1Label=Resource Name cn1=\$resource_count:%d: cn1Label=Resource Count cn2=\$threshold_percent:%d: cn2Label=Threshold Percent cn3=\$threshold_value:%d: cn3Label=Threshold Value |                       |                                          |                   |                    |
| Example              | cs1=real-server-count cs1Label=Resource Name cn1=8192 cn1Label=Resource Count cn2=75 cn2Label=Threshold Percent cn3=10000 cn3Label=Threshold Value                                                        |                       |                                          |                   |                    |
| SYSLOG               |                                                                                                                                                                                                           |                       |                                          |                   |                    |
| Format               | SLB Resource \$resource_name:%s: (\$resource_count:%d:) is now above threshold percentage (\$threshold_percent:%d:%) of maximum allowed (\$threshold_value:%d:)                                           |                       |                                          |                   |                    |
| Example              | SLB Resource real-server-count (8192) is now above threshold percentage (75%) of maximum allowed (10000)                                                                                                  |                       |                                          |                   |                    |
| Variable             | Type                                                                                                                                                                                                      | Value                 |                                          | Description       |                    |
| resource_name        | String                                                                                                                                                                                                    | {Resource_name}       |                                          | Resource name     |                    |
| resource_count       | Integer                                                                                                                                                                                                   | {Resource_count}      |                                          | Resource count    |                    |
| threshold_percent    | Integer                                                                                                                                                                                                   | {threshold_percent}   |                                          | threshold percent |                    |
| threshold_value      | Integer                                                                                                                                                                                                   | {threshold_value}     |                                          | threshold value   |                    |
| slb_threshold_normal | 486459128500191234                                                                                                                                                                                        | Both Local and Remote | SLB resource threshold drops below limit | information       | slb.resource-usage |
| CEF                  |                                                                                                                                                                                                           |                       |                                          |                   |                    |
| Format               | cs1=\$resource_name:%s: cs1Label=Resource Name cn1=\$resource_count:%d: cn1Label=Resource Count cn2=\$threshold_percent:%d: cn2Label=Threshold Percent cn3=\$threshold_value:%d: cn3Label=Threshold Value |                       |                                          |                   |                    |
| Example              | cs1=real-server-count cs1Label=Resource Name cn1=8192 cn1Label=Resource Count cn2=75 cn2Label=Threshold Percent cn3=10000 cn3Label=Threshold Value                                                        |                       |                                          |                   |                    |
| SYSLOG               |                                                                                                                                                                                                           |                       |                                          |                   |                    |
| Format               | SLB Resource \$resource_name:%s: (\$resource_count:%d:) is now below threshold limit (\$threshold_percent:%d: %) of maximum allowed (\$threshold_value:%d:)                                               |                       |                                          |                   |                    |
| Example              | SLB Resource real-server-count (8192) is now below threshold limit (75 %) of maximum allowed (10000)                                                                                                      |                       |                                          |                   |                    |

| Variable               | Type                                                                                                                                                                                                                                              | Value                 |                                 | Description         |                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|---------------------|-------------------|
| resource_name          | String                                                                                                                                                                                                                                            | {Resource_name}       |                                 | Resource name       |                   |
| resource_count         | Integer                                                                                                                                                                                                                                           | {Resource_count}      |                                 | Resource count      |                   |
| threshold_percent      | Integer                                                                                                                                                                                                                                           | {threshold_percent}   |                                 | threshold percent   |                   |
| threshold_value        | Integer                                                                                                                                                                                                                                           | {threshold_value}     |                                 | threshold value     |                   |
| secure_gaming_crc_drop | 488007240872099841                                                                                                                                                                                                                                | Both Local and Remote | Secure Gaming Packet Drop       | information         | slb.secure-gaming |
| CEF                    |                                                                                                                                                                                                                                                   |                       |                                 |                     |                   |
| Format                 | src=\$src_ip:%s: spt=\$src_port:%d: dst=\$dst_ip:%s: dpt=\$dst_port:%d: cn1=\$pkt_fwd:%u: cn1Label=Secure Gaming Forward cn2=\$pkt_drop:%u: cn2Label=Secure Gaming Drop                                                                           |                       |                                 |                     |                   |
| Example                | src=1.2.3.4 spt=0 dst=1.2.3.4 dpt=0 cn1=1234 cn1Label=Secure Gaming Forward cn2=1234 cn2Label=Secure Gaming Drop                                                                                                                                  |                       |                                 |                     |                   |
| SYSLOG                 |                                                                                                                                                                                                                                                   |                       |                                 |                     |                   |
| Format                 | Secure gaming Drop: Source IP=\$src_ip:%s:, Source Port=\$src_port:%d:, Dest IP=\$dst_ip:%s:, Dest Port=\$dst_port:%d:, Forward count=PARAM::pkt_fwd:%u:allowed{Forward count:e:1234}:, Drop count=PARAM::pkt_drop:%u:allowed{Drop count:e:1234}: |                       |                                 |                     |                   |
| Example                | Secure gaming Drop: Source IP=1.2.3.4, Source Port=0, Dest IP=1.2.3.4, Dest Port=0, Forward count=PARAM::pkt_fwd:%u:allowed{Forward count:e:1234}:, Drop count=PARAM::pkt_drop:%u:allowed{Drop count:e:1234}:                                     |                       |                                 |                     |                   |
| Variable               | Type                                                                                                                                                                                                                                              | Value                 |                                 | Description         |                   |
| src_ip                 | IP V4 Address                                                                                                                                                                                                                                     | {source_ipv4_address} |                                 | source ipv4 address |                   |
| src_port               | Integer                                                                                                                                                                                                                                           | 0-65534               |                                 | source port         |                   |
| dst_ip                 | IP V4 Address                                                                                                                                                                                                                                     | {dest_ipv4_address}   |                                 | dest ipv4 address   |                   |
| dst_port               | Integer                                                                                                                                                                                                                                           | 0-65534               |                                 | dest port           |                   |
| pkt_fwd                | Unsigned Integer                                                                                                                                                                                                                                  | {Forward_count}       |                                 | Forward count       |                   |
| pkt_drop               | Unsigned Integer                                                                                                                                                                                                                                  | {Drop_count}          |                                 | Drop count          |                   |
| action                 | 486758195662946306                                                                                                                                                                                                                                | Both Local and Remote | SLB Server creation or deletion | information         | slb.server        |
| CEF                    |                                                                                                                                                                                                                                                   |                       |                                 |                     |                   |
| Format                 | cs1=\$rserver_name:%s: cs1Label=Server Name cs2=\$action:%s: cs2Label=Action                                                                                                                                                                      |                       |                                 |                     |                   |
| Example                | cs1=real_server_name cs1Label=Server Name cs2=created cs2Label=Action                                                                                                                                                                             |                       |                                 |                     |                   |
|                        |                                                                                                                                                                                                                                                   |                       |                                 |                     |                   |

|                          |                    |                                                                                                                                          |                                                                                      |             |            |
|--------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------|------------|
| SYSLOG                   |                    |                                                                                                                                          |                                                                                      |             |            |
| Format                   |                    | Server \$rserver_name:%s: is \$action:%s:                                                                                                |                                                                                      |             |            |
| Example                  |                    | Server real_server_name is created                                                                                                       |                                                                                      |             |            |
| Variable                 | Type               | Value                                                                                                                                    |                                                                                      | Description |            |
| rserver_name             | String             | {Server_name}                                                                                                                            |                                                                                      | Server name |            |
| action                   | String             | created<br>deleted                                                                                                                       |                                                                                      | action type |            |
| conn_resv                | 486758195662946313 | Both Local and Remote                                                                                                                    | SLB Server reservation count became negative                                         | warning     | slb.server |
| CEF                      |                    |                                                                                                                                          |                                                                                      |             |            |
| Format                   |                    | cs1=\$rserver_name:%s: cs1Label=Server Name                                                                                              |                                                                                      |             |            |
| Example                  |                    | cs1=real_server_name cs1Label=Server Name                                                                                                |                                                                                      |             |            |
| SYSLOG                   |                    |                                                                                                                                          |                                                                                      |             |            |
| Format                   |                    | Real Server \$rserver_name:%s: reservation count has fallen below 0                                                                      |                                                                                      |             |            |
| Example                  |                    | Real Server real_server_name reservation count has fallen below 0                                                                        |                                                                                      |             |            |
| Variable                 | Type               | Value                                                                                                                                    |                                                                                      | Description |            |
| rserver_name             | String             | {Server_name}                                                                                                                            |                                                                                      | Server name |            |
| duplicate_dynamic_server | 486758195662946311 | Both Local and Remote                                                                                                                    | Static/Dynamic (for a different hostname) SLB server with the same IP already exists | warning     | slb.server |
| CEF                      |                    |                                                                                                                                          |                                                                                      |             |            |
| Format                   |                    | cs1=\$rserver_name:%s: cs1Label=Server Name cs2=\$ip:%s: cs2Label=IP Address cs3=\$dynamic_rserver_name:%s: cs3Label=Dynamic Server Name |                                                                                      |             |            |
| Example                  |                    | cs1=real_server_name cs1Label=Server Name cs2=1.2.3.4 cs2Label=IP Address cs3=DRS-1.1.2.3.example.com cs3Label=Dynamic Server Name       |                                                                                      |             |            |
| SYSLOG                   |                    |                                                                                                                                          |                                                                                      |             |            |
| Format                   |                    | Hostname server \$rserver_name:%s: failed to create a dynamic server with IP \$ip:%s: (duplicate IP as \$dynamic_rserver_name:%s:)       |                                                                                      |             |            |
| Example                  |                    | Hostname server real_server_name failed to create a dynamic server with IP 1.2.3.4 (duplicate IP as DRS-1.1.2.3.example.com)             |                                                                                      |             |            |
| Variable                 | Type               | Value                                                                                                                                    |                                                                                      | Description |            |
| rserver_name             | String             | {Server_name}                                                                                                                            |                                                                                      | Server name |            |

|                        |                                                                                                             |                                           |                                                    |                              |            |
|------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------|------------------------------|------------|
| ip                     | String                                                                                                      | {ipv4_or_v6_address}                      |                                                    | ipv4 or v6 address           |            |
| dynamic_rserver_name   | String                                                                                                      | {existing_dynamic_server_name}            |                                                    | existing dynamic server name |            |
| exceeded               | 486758195662946308                                                                                          | Both Local and Remote                     | SLB Server exceeded Conn Limit or Conn Rate Limit  | warning                      | slb.server |
| CEF                    |                                                                                                             |                                           |                                                    |                              |            |
| Format                 | cs1=\$rserver_name:%s: cs1Label=Server Name cs2=\$reason:%s: cs2Label=Reason cn1=\$limit:%u: cn1Label=Limit |                                           |                                                    |                              |            |
| Example                | cs1=real_server_name cs1Label=Server Name cs2=connection limit cs2Label=Reason cn1=1 cn1Label=Limit         |                                           |                                                    |                              |            |
| SYSLOG                 |                                                                                                             |                                           |                                                    |                              |            |
| Format                 | Server \$rserver_name:%s: \$reason:%s: \$limit:%u: exceeded                                                 |                                           |                                                    |                              |            |
| Example                | Server real_server_name connection limit 1 exceeded                                                         |                                           |                                                    |                              |            |
| Variable               | Type                                                                                                        | Value                                     |                                                    | Description                  |            |
| rserver_name           | String                                                                                                      | {Server_name}                             |                                                    | Server name                  |            |
| reason                 | String                                                                                                      | connection limit<br>connection rate limit |                                                    | reason                       |            |
| limit                  | Unsigned Integer                                                                                            | 1-64000000                                |                                                    | limit                        |            |
| fwlb_no_rserver_mac    | 486758195662946314                                                                                          | Both Local and Remote                     | FWLB spoofing MAC entry unavailable                | information                  | slb.server |
| CEF                    |                                                                                                             |                                           |                                                    |                              |            |
| Format                 | cs1=\$reason:%s: cs1Label=Reason                                                                            |                                           |                                                    |                              |            |
| Example                | cs1=no rserver mac entry available cs1Label=Reason                                                          |                                           |                                                    |                              |            |
| SYSLOG                 |                                                                                                             |                                           |                                                    |                              |            |
| Format                 | \$reason:%s:                                                                                                |                                           |                                                    |                              |            |
| Example                | no rserver mac entry available                                                                              |                                           |                                                    |                              |            |
| Variable               | Type                                                                                                        | Value                                     |                                                    | Description                  |            |
| reason                 | String                                                                                                      | no rserver mac entry available            |                                                    | reason                       |            |
| gslb_dyn_svc_ip_exceed | 486758195662946305                                                                                          | Both Local and Remote                     | Information about GSLB Dynamic Service IP Exceeded | information                  | slb.server |
| CEF                    |                                                                                                             |                                           |                                                    |                              |            |

|                   |                    |                                                                                                                                 |                                                             |             |            |
|-------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------|------------|
| Format            |                    | cs1=\$reason:%s: cs1Label=Reason                                                                                                |                                                             |             |            |
| Example           |                    | cs1=Number of GSLB service ips exceeds the system or L3v limit cs1Label=Reason                                                  |                                                             |             |            |
| SYSLOG            |                    |                                                                                                                                 |                                                             |             |            |
| Format            |                    | \$reason:%s:                                                                                                                    |                                                             |             |            |
| Example           |                    | Number of GSLB service ips exceeds the system or L3v limit                                                                      |                                                             |             |            |
| Variable          | Type               | Value                                                                                                                           |                                                             | Description |            |
| reason            | String             | Number of GSLB service ips exceeds the system or L3v limit                                                                      |                                                             | reason      |            |
| resume            | 486758195662946310 | Both Local and Remote                                                                                                           | SLB server is now eligible to resume accepting connections. | information | slb.server |
| CEF               |                    |                                                                                                                                 |                                                             |             |            |
| Format            |                    | cs1=\$rserver_name:%s: cs1Label=Server Name                                                                                     |                                                             |             |            |
| Example           |                    | cs1=real_server_name cs1Label=Server Name                                                                                       |                                                             |             |            |
| SYSLOG            |                    |                                                                                                                                 |                                                             |             |            |
| Format            |                    | Resume accepting connections on server \$rserver_name:%s:                                                                       |                                                             |             |            |
| Example           |                    | Resume accepting connections on server real_server_name                                                                         |                                                             |             |            |
| Variable          | Type               | Value                                                                                                                           |                                                             | Description |            |
| rserver_name      | String             | {Server_name}                                                                                                                   |                                                             | Server name |            |
| selection_failure | 486758195662946307 | Both Local and Remote                                                                                                           | SLB Server selection failed                                 | warning     | slb.server |
| CEF               |                    |                                                                                                                                 |                                                             |             |            |
| Format            |                    | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Port cs2=\$failure_reason:%s: cs2Label=Failure Reason       |                                                             |             |            |
| Example           |                    | cs1=real_server_name cs1Label=Server Name cn1=0 cn1Label=Port cs2=exceeded_real_server_connection_limit cs2Label=Failure Reason |                                                             |             |            |
| SYSLOG            |                    |                                                                                                                                 |                                                             |             |            |
| Format            |                    | Server \$rserver_name:%s:(port:\$port:%u:) selection failure(\$failure_reason:%s:)                                              |                                                             |             |            |
| Example           |                    | Server real_server_name(port:0) selection failure(exceeded_real_server_connection_limit)                                        |                                                             |             |            |
| Variable          | Type               | Value                                                                                                                           |                                                             | Description |            |
| rserver_name      | String             | {Server_name}                                                                                                                   |                                                             | Server name |            |

|                  |                                                                                                                                                                                   |                       |                                                                       |                    |            |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------|--------------------|------------|
| port             | Unsigned Integer                                                                                                                                                                  | 0-65534               |                                                                       | Server port        |            |
| failure_reason   | String                                                                                                                                                                            | {failure_reason}      |                                                                       | failure reason     |            |
| state            | 486758195662946312                                                                                                                                                                | Both Local and Remote | SLB Server health state change                                        | information        | slb.server |
| CEF              |                                                                                                                                                                                   |                       |                                                                       |                    |            |
| Format           | cs1=\$rserver_type:%s: cs1Label=Server Type cs2=\$rserver_name:%s: cs2Label=Server Name cs3=\$rserver_hostname:%s: cs3Label=Server Hostname cs4=\$state:%s: cs4Label=Server State |                       |                                                                       |                    |            |
| Example          | cs1=SLB server cs1Label=Server Type cs2=real_server_name cs2Label=Server Name cs3=1.2.3.4 cs3Label=Server Hostname cs4=disabled cs4Label=Server State                             |                       |                                                                       |                    |            |
| SYSLOG           |                                                                                                                                                                                   |                       |                                                                       |                    |            |
| Format           | \$rserver_type:%s: \$rserver_name:%s: (\$rserver_hostname:%s:) is \$state:%s:                                                                                                     |                       |                                                                       |                    |            |
| Example          | SLB server real_server_name (1.2.3.4) is disabled                                                                                                                                 |                       |                                                                       |                    |            |
| Variable         | Type                                                                                                                                                                              | Value                 |                                                                       | Description        |            |
| rserver_type     | String                                                                                                                                                                            | {server_type}         |                                                                       | server type        |            |
| rserver_name     | String                                                                                                                                                                            | {Server_name}         |                                                                       | Server name        |            |
| rserver_hostname | String                                                                                                                                                                            | {ipv4_or_v6_address}  |                                                                       | ipv4 or v6 address |            |
| state            | String                                                                                                                                                                            | {new_health_status}   |                                                                       | new health status  |            |
| status_send_err  | 486758195662946315                                                                                                                                                                | Both Local and Remote | SLB Server error in sending health status update from Master to Blade | information        | slb.server |
| CEF              |                                                                                                                                                                                   |                       |                                                                       |                    |            |
| Format           | cs1=\$rserver_type:%s: cs1Label=Server Type cs2=\$rserver_name:%s: cs2Label=Server Name cs3=\$rserver_hostname:%s: cs3Label=Server Hostname cs4=\$state:%s: cs4Label=Server State |                       |                                                                       |                    |            |
| Example          | cs1=SLB server cs1Label=Server Type cs2=real_server_name cs2Label=Server Name cs3=1.2.3.4 cs3Label=Server Hostname cs4=disabled cs4Label=Server State                             |                       |                                                                       |                    |            |
| SYSLOG           |                                                                                                                                                                                   |                       |                                                                       |                    |            |
| Format           | \$rserver_type:%s: \$rserver_name:%s: (\$rserver_hostname:%s:) is \$state:%s:                                                                                                     |                       |                                                                       |                    |            |
| Example          | SLB server real_server_name (1.2.3.4) is disabled                                                                                                                                 |                       |                                                                       |                    |            |
| Variable         | Type                                                                                                                                                                              | Value                 |                                                                       | Description        |            |
| rserver_type     | String                                                                                                                                                                            | {server_type}         |                                                                       | server type        |            |



|                  |                                                                                                                                                                                                        |                                          |                                                             |                    |                 |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------|--------------------|-----------------|
| rserver_name     | String                                                                                                                                                                                                 | {Server_name}                            |                                                             | Server name        |                 |
| rserver_hostname | String                                                                                                                                                                                                 | {ipv4_or_v6_address}                     |                                                             | ipv4 or v6 address |                 |
| state            | String                                                                                                                                                                                                 | {new_health_status}                      |                                                             | new health status  |                 |
| threshold        | 486758195662946309                                                                                                                                                                                     | Both Local and Remote                    | SLB server has exceeded its bandwidth rate limit threshold. | information        | slb.server      |
| CEF              |                                                                                                                                                                                                        |                                          |                                                             |                    |                 |
| Format           | cs1=\$rserver_name:%s: cs1Label=Server Name cs2=\$reason:%s: cs2Label=Reason cn1=\$limit:%u: cn1Label=Limit cs3=\$threshold:%s: cs3Label=Threshold Variable cn2=\$resume:%u: cn2Label=Resume Threshold |                                          |                                                             |                    |                 |
| Example          | cs1=real_server_name cs1Label=Server Name cs2=connection limit cs2Label=Reason cn1=1 cn1Label=Limit cs3=connection count cs3Label=Threshold Variable cn2=1 cn2Label=Resume Threshold                   |                                          |                                                             |                    |                 |
| SYSLOG           |                                                                                                                                                                                                        |                                          |                                                             |                    |                 |
| Format           | Server \$rserver_name:%s: \$reason:%s: \$limit:%u: exceeded, decline new connections until \$threshold:%s: falls below resume threshold of \$resume:%u:                                                |                                          |                                                             |                    |                 |
| Example          | Server real_server_name connection limit 1 exceeded, decline new connections until connection count falls below resume threshold of 1                                                                  |                                          |                                                             |                    |                 |
| Variable         | Type                                                                                                                                                                                                   | Value                                    |                                                             | Description        |                 |
| rserver_name     | String                                                                                                                                                                                                 | {Server_name}                            |                                                             | Server name        |                 |
| reason           | String                                                                                                                                                                                                 | connection limit<br>bandwidth rate limit |                                                             | reason             |                 |
| limit            | Unsigned Integer                                                                                                                                                                                       | 1-64000000                               |                                                             | limit              |                 |
| threshold        | String                                                                                                                                                                                                 | connection count<br>rate                 |                                                             | type of threshold  |                 |
| resume           | Unsigned Integer                                                                                                                                                                                       | 1-16777216                               |                                                             | resume threshold   |                 |
| action           | 486758470540853250                                                                                                                                                                                     | Both Local and Remote                    | SLB Server Port got created or deleted successfully.        | information        | slb.server.port |
| CEF              |                                                                                                                                                                                                        |                                          |                                                             |                    |                 |
| Format           | cn1=\$port:%u: cn1Label=Port cs1=\$type:%s: cs1Label=Type cs2=\$rserver_name:%s: cs2Label=Server Name cs3=\$action:%s: cs3Label=Real Server Port Action                                                |                                          |                                                             |                    |                 |
| Example          | cn1=0 cn1Label=Port cs1=TCP cs1Label=Type cs2=SLB server cs2Label=Server Name cs3=created cs3Label=Real Server Port Action                                                                             |                                          |                                                             |                    |                 |
| SYSLOG           |                                                                                                                                                                                                        |                                          |                                                             |                    |                 |
| Format           | Port \$port:%u: type \$type:%s: on server \$rserver_name:%s: is \$action:%s:                                                                                                                           |                                          |                                                             |                    |                 |

| Example      |                    | Port 0 type TCP on server SLB server is created                                             |                                                                           |             |                 |
|--------------|--------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------|-----------------|
| Variable     | Type               | Value                                                                                       |                                                                           | Description |                 |
| port         | Unsigned Integer   | 0-65534                                                                                     |                                                                           | Server port |                 |
| type         | String             | TCP<br>UDP                                                                                  |                                                                           | port type   |                 |
| rserver_name | String             | {server_type}                                                                               |                                                                           | server type |                 |
| action       | String             | created<br>deleted                                                                          |                                                                           | action type |                 |
| conn_resv    | 486758470540853256 | Both Local and Remote                                                                       | SLB Server port reservation count became negative                         | warning     | slb.server.port |
| CEF          |                    |                                                                                             |                                                                           |             |                 |
| Format       |                    | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Port                    |                                                                           |             |                 |
| Example      |                    | cs1=real_server_name cs1Label=Server Name cn1=0 cn1Label=Port                               |                                                                           |             |                 |
| SYSLOG       |                    |                                                                                             |                                                                           |             |                 |
| Format       |                    | Real Server \$rserver_name:%s: service port \$port:%u: reservation count has fallen below 0 |                                                                           |             |                 |
| Example      |                    | Real Server real_server_name service port 0 reservation count has fallen below 0            |                                                                           |             |                 |
| Variable     | Type               | Value                                                                                       |                                                                           | Description |                 |
| rserver_name | String             | {Server_name}                                                                               |                                                                           | Server name |                 |
| port         | Unsigned Integer   | 0-65534                                                                                     |                                                                           | Server port |                 |
| critical     | 486758470540853249 | Both Local and Remote                                                                       | Could not find the authentication server associated with this slb server. | critical    | slb.server.port |
| CEF          |                    |                                                                                             |                                                                           |             |                 |
| Format       |                    | cs1=\$reason:%s: cs1Label=Reason                                                            |                                                                           |             |                 |
| Example      |                    | cs1=Failed to find authentication server for this real port cs1Label=Reason                 |                                                                           |             |                 |
| SYSLOG       |                    |                                                                                             |                                                                           |             |                 |
| Format       |                    | \$reason:%s:                                                                                |                                                                           |             |                 |
| Example      |                    | Failed to find authentication server for this real port                                     |                                                                           |             |                 |
| Variable     | Type               | Value                                                                                       |                                                                           | Description |                 |

|                           |                                                                                                                                                                 |                                                         |                                                                                                            |                           |                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|
| reason                    | String                                                                                                                                                          | Failed to find authentication server for this real port |                                                                                                            | aam server failure        |                 |
| dampening                 | 486758470540853260                                                                                                                                              | Both Local and Remote                                   | SLB Real Server Port down due to dampening. Flaps exceeded max flaps in configured period.                 | information               | slb.server.port |
| CEF                       |                                                                                                                                                                 |                                                         |                                                                                                            |                           |                 |
| Format                    | cs1=\$server_type:%s: cs1Label=Server Type cs2=\$rserver_name:%s: cs2Label=Server Name cn1=\$port:%u: cn1Label=Port cn2=\$down_time:%u: cn2Label=Port down time |                                                         |                                                                                                            |                           |                 |
| Example                   | cs1=SLB server cs1Label=Server Type cs2=real_server_name cs2Label=Server Name cn1=0 cn1Label=Port cn2=1 cn2Label=Port down time                                 |                                                         |                                                                                                            |                           |                 |
| SYSLOG                    |                                                                                                                                                                 |                                                         |                                                                                                            |                           |                 |
| Format                    | \$server_type:%s: \$rserver_name:%s:port \$port:%u:is down due to dampening. Port will come back up in \$down_time:%u: seconds.                                 |                                                         |                                                                                                            |                           |                 |
| Example                   | SLB server real_server_nameport 0is down due to dampening. Port will come back up in 1 seconds.                                                                 |                                                         |                                                                                                            |                           |                 |
| Variable                  | Type                                                                                                                                                            | Value                                                   |                                                                                                            | Description               |                 |
| server_type               | String                                                                                                                                                          | {server_type}                                           |                                                                                                            | server type               |                 |
| rserver_name              | String                                                                                                                                                          | {server_name}                                           |                                                                                                            | server name               |                 |
| port                      | Unsigned Integer                                                                                                                                                | 0-65534                                                 |                                                                                                            | server port               |                 |
| down_time                 | Unsigned Integer                                                                                                                                                | 1-4095                                                  |                                                                                                            | Configured Dampening Time |                 |
| disable_using_backup_node | 486758470540853252                                                                                                                                              | Both Local and Remote                                   | Back Server was disabled from selection for new connections. Connections will resume for primary server(s) | information               | slb.server.port |
| CEF                       |                                                                                                                                                                 |                                                         |                                                                                                            |                           |                 |
| Format                    | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Port                                                                                        |                                                         |                                                                                                            |                           |                 |
| Example                   | cs1=real_server_name cs1Label=Server Name cn1=0 cn1Label=Port                                                                                                   |                                                         |                                                                                                            |                           |                 |
| SYSLOG                    |                                                                                                                                                                 |                                                         |                                                                                                            |                           |                 |
| Format                    | Disabled new connections on backup server(s), resume primary server \$rserver_name:%s: port \$port:%u:                                                          |                                                         |                                                                                                            |                           |                 |
| Example                   | Disabled new connections on backup server(s), resume primary server real_server_name port 0                                                                     |                                                         |                                                                                                            |                           |                 |
| Variable                  | Type                                                                                                                                                            | Value                                                   |                                                                                                            | Description               |                 |
| rserver_name              | String                                                                                                                                                          | {Server_name}                                           |                                                                                                            | Server name               |                 |
| port                      | Unsigned Integer                                                                                                                                                | 0-65534                                                 |                                                                                                            | Server port               |                 |

|               |                                                                                                                                          |                                           |                                                                                             |                        |                 |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|------------------------|-----------------|
| exceeded      | 486758470540853253                                                                                                                       | Both Local and Remote                     | SLB Server Port selection failed due to exceeding conn limit or conn rate limit on the port | warning                | slb.server.port |
| CEF           |                                                                                                                                          |                                           |                                                                                             |                        |                 |
| Format        | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Port cs2=\$reason:%s: cs2Label=Reason cn2=\$limit:%u: cn2Label=Limit |                                           |                                                                                             |                        |                 |
| Example       | cs1=real_server_name cs1Label=Server Name cn1=0 cn1Label=Port cs2=connection limit cs2Label=Reason cn2=1 cn2Label=Limit                  |                                           |                                                                                             |                        |                 |
| SYSLOG        |                                                                                                                                          |                                           |                                                                                             |                        |                 |
| Format        | Server \$rserver_name:%s: service port \$port:%u: \$reason:%s: \$limit:%u: exceeded                                                      |                                           |                                                                                             |                        |                 |
| Example       | Server real_server_name service port 0 connection limit 1 exceeded                                                                       |                                           |                                                                                             |                        |                 |
| Variable      | Type                                                                                                                                     | Value                                     |                                                                                             | Description            |                 |
| rserver_name  | String                                                                                                                                   | {Server_name}                             |                                                                                             | Server name            |                 |
| port          | Unsigned Integer                                                                                                                         | 0-65534                                   |                                                                                             | Server port            |                 |
| reason        | String                                                                                                                                   | connection limit<br>connection rate limit |                                                                                             | limit reason           |                 |
| limit         | Unsigned Integer                                                                                                                         | 1-64000000                                |                                                                                             | limit value            |                 |
| icmp_exceed   | 486758470540853257                                                                                                                       | Both Local and Remote                     | SLB Server port ICMP v4 packet rate limit exceeded                                          | information            | slb.server.port |
| CEF           |                                                                                                                                          |                                           |                                                                                             |                        |                 |
| Format        | cn1=\$port:%u: cn1Label=Port cn2=\$limit:%u: cn2Label=Rate Limit cn3=\$lockup_period:%u: cn3Label=Lockup Period                          |                                           |                                                                                             |                        |                 |
| Example       | cn1=0 cn1Label=Port cn2=1 cn2Label=Rate Limit cn3=1 cn3Label=Lockup Period                                                               |                                           |                                                                                             |                        |                 |
| SYSLOG        |                                                                                                                                          |                                           |                                                                                             |                        |                 |
| Format        | Port \$port:%u: ICMP packet rate limit \$limit:%u: exceeded. Drop ICMP packets to this interface for next \$lockup_period:%u: seconds    |                                           |                                                                                             |                        |                 |
| Example       | Port 0 ICMP packet rate limit 1 exceeded. Drop ICMP packets to this interface for next 1 seconds                                         |                                           |                                                                                             |                        |                 |
| Variable      | Type                                                                                                                                     | Value                                     |                                                                                             | Description            |                 |
| port          | Unsigned Integer                                                                                                                         | 0-65535                                   |                                                                                             | rserver port number    |                 |
| limit         | Unsigned Integer                                                                                                                         | 1-65535                                   |                                                                                             | icmp v4 max rate limit |                 |
| lockup_period | Unsigned Integer                                                                                                                         | 1-16383                                   |                                                                                             | icmp v4 lockup period  |                 |
|               |                                                                                                                                          | Both Local and                            | SLB Server port ICMP v6                                                                     |                        |                 |

|                  |                                                                                                                                                                                                      |                       |                                     |                        |                 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------|------------------------|-----------------|
| icmpv6_exceed    | 486758470540853258                                                                                                                                                                                   | Remote                | packet rate limit exceeded          | information            | slb.server.port |
| CEF              |                                                                                                                                                                                                      |                       |                                     |                        |                 |
| Format           | cn1=\$port:%u: cn1Label=Port cn2=\$limit:%u: cn2Label=Rate Limit cn3=\$lockup_period:%u: cn3Label=Lockup Period                                                                                      |                       |                                     |                        |                 |
| Example          | cn1=0 cn1Label=Port cn2=1 cn2Label=Rate Limit cn3=1 cn3Label=Lockup Period                                                                                                                           |                       |                                     |                        |                 |
| SYSLOG           |                                                                                                                                                                                                      |                       |                                     |                        |                 |
| Format           | Port \$port:%u: ICMPV6 packet rate limit \$limit:%u: exceeded. Drop ICMPV6 packets to this interface for next \$lockup_period:%u: seconds                                                            |                       |                                     |                        |                 |
| Example          | Port 0 ICMPV6 packet rate limit 1 exceeded. Drop ICMPV6 packets to this interface for next 1 seconds                                                                                                 |                       |                                     |                        |                 |
| Variable         | Type                                                                                                                                                                                                 | Value                 |                                     | Description            |                 |
| port             | Unsigned Integer                                                                                                                                                                                     | 0-65535               |                                     | rserver port number    |                 |
| limit            | Unsigned Integer                                                                                                                                                                                     | 1-65535               |                                     | icmp v6 max rate limit |                 |
| lockup_period    | Unsigned Integer                                                                                                                                                                                     | 1-16383               |                                     | icmp v6 lockup period  |                 |
| node_state       | 486758470540853251                                                                                                                                                                                   | Both Local and Remote | SLB server port state status change | information            | slb.server.port |
| CEF              |                                                                                                                                                                                                      |                       |                                     |                        |                 |
| Format           | cs1=\$server_type:%s: cs1Label=Type cs2=\$rserver_name:%s: cs2Label=Server Name cs3=\$rserver_hostname:%s: cs3Label=Server Hostname<br>cn1=\$port:%u: cn1Label=Port cs4=\$status:%s: cs4Label=Status |                       |                                     |                        |                 |
| Example          | cs1=SLB server cs1Label=Type cs2=real_server_name cs2Label=Server Name cs3=1.2.3.4 cs3Label=Server Hostname cn1=0 cn1Label=Port<br>cs4=disabled cs4Label=Status                                      |                       |                                     |                        |                 |
| SYSLOG           |                                                                                                                                                                                                      |                       |                                     |                        |                 |
| Format           | \$server_type:%s: \$rserver_name:%s: (\$rserver_hostname:%s:) port \$port:%u: is \$status:%s:                                                                                                        |                       |                                     |                        |                 |
| Example          | SLB server real_server_name (1.2.3.4) port 0 is disabled                                                                                                                                             |                       |                                     |                        |                 |
| Variable         | Type                                                                                                                                                                                                 | Value                 |                                     | Description            |                 |
| server_type      | String                                                                                                                                                                                               | {server_type}         |                                     | server type            |                 |
| rserver_name     | String                                                                                                                                                                                               | {Server_name}         |                                     | Server name            |                 |
| rserver_hostname | String                                                                                                                                                                                               | {ipv4_or_v6_address}  |                                     | ipv4 or v6 address     |                 |
| port             | Unsigned Integer                                                                                                                                                                                     | 0-65534               |                                     | Server port            |                 |
| status           | String                                                                                                                                                                                               | {new_health_status}   |                                     | new health status      |                 |
|                  |                                                                                                                                                                                                      | Both Local and        | SLB Real Server Port potential      |                        |                 |

|                 |                                                                                                                               |                       |                                                                                  |                  |                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------|------------------|-----------------|
| pkts_loop       | 486758470540853259                                                                                                            | Remote                | loop detected                                                                    | warning          | slb.server.port |
| CEF             |                                                                                                                               |                       |                                                                                  |                  |                 |
| Format          | cn1=\$port:%u: cn1Label=Port cn2=\$vlan:%u: cn2Label=VLAN cn3=\$srcmac:%s: cn3Label=Src MAC cn4=\$dstmac:%s: cn4Label=Dst MAC |                       |                                                                                  |                  |                 |
| Example         | cn1=5 cn1Label=Port cn2=1 cn2Label=VLAN cn3=aaaa:bbbb:cccc cn3Label=Src MAC cn4=aaaa:bbbb:cccc cn4Label=Dst MAC               |                       |                                                                                  |                  |                 |
| SYSLOG          |                                                                                                                               |                       |                                                                                  |                  |                 |
| Format          | Potential loop detected on Port \$port:%u: VLAN \$vlan:%u: Src MAC \$srcmac:%s: Dst MAC \$dstmac:%s:                          |                       |                                                                                  |                  |                 |
| Example         | Potential loop detected on Port 5 VLAN 1 Src MAC aaaa:bbbb:cccc Dst MAC aaaa:bbbb:cccc                                        |                       |                                                                                  |                  |                 |
| Variable        | Type                                                                                                                          | Value                 |                                                                                  | Description      |                 |
| port            | Unsigned Integer                                                                                                              | {interface_number}    |                                                                                  | interface number |                 |
| vlan            | Unsigned Integer                                                                                                              | 1-4094                |                                                                                  | vlan id          |                 |
| srcmac          | String                                                                                                                        | {src_mac_address}     |                                                                                  | src mac address  |                 |
| dstmac          | String                                                                                                                        | {dst_mac_address}     |                                                                                  | dst mac address  |                 |
| resume          | 486758470540853255                                                                                                            | Both Local and Remote | SLB server port is now eligible to resume accepting connections.                 | information      | slb.server.port |
| CEF             |                                                                                                                               |                       |                                                                                  |                  |                 |
| Format          | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Port                                                      |                       |                                                                                  |                  |                 |
| Example         | cs1=real_server_name cs1Label=Server Name cn1=0 cn1Label=Port                                                                 |                       |                                                                                  |                  |                 |
| SYSLOG          |                                                                                                                               |                       |                                                                                  |                  |                 |
| Format          | Resume accepting connections on server \$rserver_name:%s: port \$port:%u:                                                     |                       |                                                                                  |                  |                 |
| Example         | Resume accepting connections on server real_server_name port 0                                                                |                       |                                                                                  |                  |                 |
| Variable        | Type                                                                                                                          | Value                 |                                                                                  | Description      |                 |
| rserver_name    | String                                                                                                                        | {Server_name}         |                                                                                  | Server name      |                 |
| port            | Unsigned Integer                                                                                                              | 0-65534               |                                                                                  | Server port      |                 |
| status_send_err | 486758470540853261                                                                                                            | Both Local and Remote | SLB server port state error in sending health status update from Master to Blade | information      | slb.server.port |
| CEF             |                                                                                                                               |                       |                                                                                  |                  |                 |

|                  |                                                                                                                                                                                                                                                                                            |                       |                                                                                |                    |                 |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------|--------------------|-----------------|
| Format           | cs1=\$server_type:%s: cs1Label=Type cs2=\$rserver_name:%s: cs2Label=Server Name cs3=\$rserver_hostname:%s: cs3Label=Server Hostname<br>cn1=\$port:%u: cn1Label=Port cs4=\$status:%s: cs4Label=Status                                                                                       |                       |                                                                                |                    |                 |
| Example          | cs1=SLB server cs1Label=Type cs2=real_server_name cs2Label=Server Name cs3=1.2.3.4 cs3Label=Server Hostname cn1=0 cn1Label=Port<br>cs4=disabled cs4Label=Status                                                                                                                            |                       |                                                                                |                    |                 |
| SYSLOG           |                                                                                                                                                                                                                                                                                            |                       |                                                                                |                    |                 |
| Format           | \$server_type:%s: \$rserver_name:%s: (\$rserver_hostname:%s:) port \$port:%u: is \$status:%s:                                                                                                                                                                                              |                       |                                                                                |                    |                 |
| Example          | SLB server real_server_name (1.2.3.4) port 0 is disabled                                                                                                                                                                                                                                   |                       |                                                                                |                    |                 |
| Variable         | Type                                                                                                                                                                                                                                                                                       | Value                 |                                                                                | Description        |                 |
| server_type      | String                                                                                                                                                                                                                                                                                     | {server_type}         |                                                                                | server type        |                 |
| rserver_name     | String                                                                                                                                                                                                                                                                                     | {Server_name}         |                                                                                | Server name        |                 |
| rserver_hostname | String                                                                                                                                                                                                                                                                                     | {ipv4_or_v6_address}  |                                                                                | ipv4 or v6 address |                 |
| port             | Unsigned Integer                                                                                                                                                                                                                                                                           | 0-65534               |                                                                                | Server port        |                 |
| status           | String                                                                                                                                                                                                                                                                                     | {new_health_status}   |                                                                                | new health status  |                 |
| threshold        | 486758470540853254                                                                                                                                                                                                                                                                         | Both Local and Remote | SLB server port has exceeded its conn limit or bandwidth rate limit threshold. | information        | slb.server.port |
| CEF              |                                                                                                                                                                                                                                                                                            |                       |                                                                                |                    |                 |
| Format           | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Service Port cs2=\$reason:%s: cs2Label=Reason<br>cn2=\$exceed_threshold:%u: cn2Label=Exceed Threshold cs3=\$threshold_variable:%s: cs3Label=Threshold Variable cn3=\$resume_threshold:%u:<br>cn3Label=Resume Threshold |                       |                                                                                |                    |                 |
| Example          | cs1=real_server_name cs1Label=Server Name cn1=0 cn1Label=Service Port cs2=connection limit cs2Label=Reason cn2=1 cn2Label=Exceed<br>Threshold cs3=connection count cs3Label=Threshold Variable cn3=1 cn3Label=Resume Threshold                                                             |                       |                                                                                |                    |                 |
| SYSLOG           |                                                                                                                                                                                                                                                                                            |                       |                                                                                |                    |                 |
| Format           | Server \$rserver_name:%s: service port \$port:%u: \$reason:%s: \$limit:%u: exceeded, decline new connections until \$threshold_variable:%s: falls<br>below resume threshold of \$threshold:%u:.                                                                                            |                       |                                                                                |                    |                 |
| Example          | Server real_server_name service port 0 connection limit 1 exceeded, decline new connections until connection count falls below resume threshold<br>of 1.                                                                                                                                   |                       |                                                                                |                    |                 |
| Variable         | Type                                                                                                                                                                                                                                                                                       | Value                 |                                                                                | Description        |                 |
| rserver_name     | String                                                                                                                                                                                                                                                                                     | {Server_name}         |                                                                                | Server name        |                 |
| port             | Unsigned Integer                                                                                                                                                                                                                                                                           | 0-65534               |                                                                                | Server port        |                 |
| reason           | String                                                                                                                                                                                                                                                                                     | connection limit      |                                                                                | reason             |                 |

|                      |                                                                                                                                                                                                                                                  |                       |                                                         |                   |                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------|-------------------|--------------------|
| bandwidth rate limit |                                                                                                                                                                                                                                                  |                       |                                                         |                   |                    |
| exceed_threshold     | Unsigned Integer                                                                                                                                                                                                                                 | 1-64000000            |                                                         | limit             |                    |
| threshold_variable   | String                                                                                                                                                                                                                                           | connection count rate |                                                         | type of threshold |                    |
| resume_threshold     | Unsigned Integer                                                                                                                                                                                                                                 | 1-16777216            |                                                         | resume threshold  |                    |
| limit                | Unsigned Integer                                                                                                                                                                                                                                 | 1-64000000            |                                                         | limit             |                    |
| threshold            | Unsigned Integer                                                                                                                                                                                                                                 | 1-16777216            |                                                         | resume threshold  |                    |
| action               | 486758745418760194                                                                                                                                                                                                                               | Both Local and Remote | SLB Server Service got created or deleted successfully. | information       | slb.server.service |
| CEF                  |                                                                                                                                                                                                                                                  |                       |                                                         |                   |                    |
| Format               | cn1=\$port:%u: cn1Label=Port cs1=\$type:%s: cs1Label=Type cs2=\$service_label:%s: cs2Label=Service Label cs3=\$rserver_name:%s: cs3Label=Server Name cs4=\$action:%s: cs4Label=Real Server Port Action                                           |                       |                                                         |                   |                    |
| Example              | cn1=0 cn1Label=Port cs1=TCP cs1Label=Type cs2=service_label cs2Label=Service Label cs3=SLB server cs3Label=Server Name cs4=created cs4Label=Real Server Port Action                                                                              |                       |                                                         |                   |                    |
| SYSLOG               |                                                                                                                                                                                                                                                  |                       |                                                         |                   |                    |
| Format               | Port \$port:%u: type \$type:%s: service \$service_label:%s: on server \$rserver_name:%s: is \$action:%s:                                                                                                                                         |                       |                                                         |                   |                    |
| Example              | Port 0 type TCP service service_label on server SLB server is created                                                                                                                                                                            |                       |                                                         |                   |                    |
| Variable             | Type                                                                                                                                                                                                                                             | Value                 |                                                         | Description       |                    |
| port                 | Unsigned Integer                                                                                                                                                                                                                                 | 0-65534               |                                                         | Server port       |                    |
| type                 | String                                                                                                                                                                                                                                           | TCP<br>UDP            |                                                         | port type         |                    |
| service_label        | String                                                                                                                                                                                                                                           | {Service_label}       |                                                         | Service label     |                    |
| rserver_name         | String                                                                                                                                                                                                                                           | {server_type}         |                                                         | server type       |                    |
| action               | String                                                                                                                                                                                                                                           | created<br>deleted    |                                                         | action type       |                    |
| node_state           | 486758745418760193                                                                                                                                                                                                                               | Both Local and Remote | SLB server service state status change                  | information       | slb.server.service |
| CEF                  |                                                                                                                                                                                                                                                  |                       |                                                         |                   |                    |
| Format               | cs1=\$server_type:%s: cs1Label=Type cs2=\$rserver_name:%s: cs2Label=Server Name cs3=\$rserver_hostname:%s: cs3Label=Server Hostname cn1=\$port:%u: cn1Label=Port cs4=\$service_label:%s: cs4Label=Service Label cs5=\$status:%s: cs5Label=Status |                       |                                                         |                   |                    |



| Example                      | cs1=SLB server cs1Label=Type cs2=real_server_name cs2Label=Server Name cs3=1.2.3.4 cs3Label=Server Hostname cn1=0 cn1Label=Port cs4=service_label cs4Label=Service Label cs5=disabled cs5Label=Status |                       |                                                        |                    |                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------|--------------------|-------------------|
| SYSLOG                       |                                                                                                                                                                                                       |                       |                                                        |                    |                   |
| Format                       | \$server_type:%s: \$rserver_name:%s: (\$rserver_hostname:%s:) port \$port:%u: service \$service_label:%s: is \$status:%s:                                                                             |                       |                                                        |                    |                   |
| Example                      | SLB server real_server_name (1.2.3.4) port 0 service service_label is disabled                                                                                                                        |                       |                                                        |                    |                   |
| Variable                     | Type                                                                                                                                                                                                  | Value                 |                                                        | Description        |                   |
| server_type                  | String                                                                                                                                                                                                | {server_type}         |                                                        | server type        |                   |
| rserver_name                 | String                                                                                                                                                                                                | {Server_name}         |                                                        | Server name        |                   |
| rserver_hostname             | String                                                                                                                                                                                                | {ipv4_or_v6_address}  |                                                        | ipv4 or v6 address |                   |
| port                         | Unsigned Integer                                                                                                                                                                                      | 0-65534               |                                                        | Server port        |                   |
| service_label                | String                                                                                                                                                                                                | {Service_label}       |                                                        | Service label      |                   |
| status                       | String                                                                                                                                                                                                | {new_health_status}   |                                                        | new health status  |                   |
| dampening                    | 486775787848990732                                                                                                                                                                                    | Both Local and Remote | Service group currently down as a result of dampening  | information        | slb.service-group |
| CEF                          |                                                                                                                                                                                                       |                       |                                                        |                    |                   |
| Format                       | cs1=\$sg_name:%s: cs1Label=Service Group Name cs2=\$rserver_name:%s: cs2Label=Server Name cn1=\$port:%u: cn1Label=Port cn2=\$down_time:%u: cn2Label=Port down time                                    |                       |                                                        |                    |                   |
| Example                      | cs1=sg cs1Label=Service Group Name cs2=rs cs2Label=Server Name cn1=0 cn1Label=Port cn2=1 cn2Label=Port down time                                                                                      |                       |                                                        |                    |                   |
| SYSLOG                       |                                                                                                                                                                                                       |                       |                                                        |                    |                   |
| Format                       | Service Group \$sg_name:%s: server \$rserver_name:%s: port \$port:%u: is down due to dampening. Service group member will come back up in \$down_time:%u: seconds.                                    |                       |                                                        |                    |                   |
| Example                      | Service Group sg server rs port 0 is down due to dampening. Service group member will come back up in 1 seconds.                                                                                      |                       |                                                        |                    |                   |
| Variable                     | Type                                                                                                                                                                                                  | Value                 |                                                        | Description        |                   |
| sg_name                      | String                                                                                                                                                                                                | {Service_group_name}  |                                                        | Service group name |                   |
| rserver_name                 | String                                                                                                                                                                                                | {Real_server_name}    |                                                        | Real server name   |                   |
| port                         | Unsigned Integer                                                                                                                                                                                      | 0-65534               |                                                        | Port               |                   |
| down_time                    | Unsigned Integer                                                                                                                                                                                      | 1-4095                |                                                        | Down time          |                   |
| disable_using_backup_sg_node | 486775787848990722                                                                                                                                                                                    | Both Local and Remote | Disabled new connections on backup server(s) on group, | information        | slb.service-group |

|                  |                                                                                                                                                 |                       |                                                         |                    |                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------|--------------------|-------------------|
|                  |                                                                                                                                                 |                       | resume primary server port                              |                    |                   |
| CEF              |                                                                                                                                                 |                       |                                                         |                    |                   |
| Format           | cs1=\$sg_name:%s: cs1Label=Service Group Name cs2=\$rserver_name:%s: cs2Label=Server Name cn1=\$port:%u: cn1Label=Port                          |                       |                                                         |                    |                   |
| Example          | cs1=sg cs1Label=Service Group Name cs2=rs cs2Label=Server Name cn1=0 cn1Label=Port                                                              |                       |                                                         |                    |                   |
| SYSLOG           |                                                                                                                                                 |                       |                                                         |                    |                   |
| Format           | Disabled new connections on backup server(s) on group \$sg_name:%s:, resume primary server \$rserver_name:%s: port \$port:%u:                   |                       |                                                         |                    |                   |
| Example          | Disabled new connections on backup server(s) on group sg, resume primary server rs port 0                                                       |                       |                                                         |                    |                   |
| Variable         | Type                                                                                                                                            | Value                 |                                                         | Description        |                   |
| sg_name          | String                                                                                                                                          | {Service_group_name}  |                                                         | Service group name |                   |
| rserver_name     | String                                                                                                                                          | {Real_server_name}    |                                                         | Real server name   |                   |
| port             | Unsigned Integer                                                                                                                                | 0-65534               |                                                         | Port               |                   |
| enable_stateful  | 486775787848990731                                                                                                                              | Both Local and Remote | Stateful method is currently enabled for service group  | warning            | slb.service-group |
| CEF              |                                                                                                                                                 |                       |                                                         |                    |                   |
| Format           | cs1=\$sg_name:%s: cs1Label=service group name cs2=\$stateless_type:%s: cs2Label=Stateless type cn1=\$display:%u: cn1Label=Display Rate or Usage |                       |                                                         |                    |                   |
| Example          | cs1=sg cs1Label=service group name cs2=rate cs2Label=Stateless type cn1=5 cn1Label=Display Rate or Usage                                        |                       |                                                         |                    |                   |
| SYSLOG           |                                                                                                                                                 |                       |                                                         |                    |                   |
| Format           | Service group \$sg_group:%s: switch to stateful method, \$stateless_type:%s: = \$display:%u:                                                    |                       |                                                         |                    |                   |
| Example          | Service group sg switch to stateful method, rate = 5                                                                                            |                       |                                                         |                    |                   |
| Variable         | Type                                                                                                                                            | Value                 |                                                         | Description        |                   |
| sg_group         | String                                                                                                                                          | {Service_group}       |                                                         | Service group      |                   |
| stateless_type   | String                                                                                                                                          | rate<br>usage         |                                                         | Stateless type     |                   |
| display          | Unsigned Integer                                                                                                                                | {Display}             |                                                         | Display            |                   |
| sg_name          | String                                                                                                                                          | {Service_group}       |                                                         | Service group      |                   |
| enable_stateless | 486775787848990730                                                                                                                              | Both Local and Remote | Stateless method is currently enabled for service group | warning            | slb.service-group |
|                  |                                                                                                                                                 |                       |                                                         |                    |                   |

|                             |                    |                                                                                                                                                 |                                                                            |                    |                   |
|-----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|-------------------|
| CEF                         |                    |                                                                                                                                                 |                                                                            |                    |                   |
| Format                      |                    | cs1=\$sg_name:%s: cs1Label=service group name cs2=\$stateless_type:%s: cs2Label=Stateless type cn1=\$display:%u: cn1Label=Display Rate or Usage |                                                                            |                    |                   |
| Example                     |                    | cs1=sg cs1Label=service group name cs2=rate cs2Label=Stateless type cn1=5 cn1Label=Display Rate or Usage                                        |                                                                            |                    |                   |
| SYSLOG                      |                    |                                                                                                                                                 |                                                                            |                    |                   |
| Format                      |                    | Service group \$sg_group:%s: switch to stateless method, \$stateless_type:%s: = \$display:%u:                                                   |                                                                            |                    |                   |
| Example                     |                    | Service group sg switch to stateless method, rate = 5                                                                                           |                                                                            |                    |                   |
| Variable                    | Type               | Value                                                                                                                                           |                                                                            | Description        |                   |
| sg_group                    | String             | {Service_group}                                                                                                                                 |                                                                            | Service group      |                   |
| stateless_type              | String             | rate<br>usage                                                                                                                                   |                                                                            | Stateless type     |                   |
| display                     | Unsigned Integer   | {Display}                                                                                                                                       |                                                                            | Display            |                   |
| sg_name                     | String             | {Service_group}                                                                                                                                 |                                                                            | Service group      |                   |
| enable_using_backup_sg_node | 486775787848990723 | Both Local and Remote                                                                                                                           | Enabled new connections on server port in service group                    | information        | slb.service-group |
| CEF                         |                    |                                                                                                                                                 |                                                                            |                    |                   |
| Format                      |                    | cs1=\$rserver_name:%s: cs1Label=Server Name cn1=\$port:%u: cn1Label=Port cs2=\$sg_name:%s: cs2Label=Service Group Name                          |                                                                            |                    |                   |
| Example                     |                    | cs1=rs cs1Label=Server Name cn1=0 cn1Label=Port cs2=sg cs2Label=Service Group Name                                                              |                                                                            |                    |                   |
| SYSLOG                      |                    |                                                                                                                                                 |                                                                            |                    |                   |
| Format                      |                    | Enabled new connections on server \$rserver_name:%s: port \$port:%u: in \$sg_name:%s: group                                                     |                                                                            |                    |                   |
| Example                     |                    | Enabled new connections on server rs port 0 in sg group                                                                                         |                                                                            |                    |                   |
| Variable                    | Type               | Value                                                                                                                                           |                                                                            | Description        |                   |
| rserver_name                | String             | {Real_server_name}                                                                                                                              |                                                                            | Real server name   |                   |
| port                        | Unsigned Integer   | 0-65534                                                                                                                                         |                                                                            | Port               |                   |
| sg_name                     | String             | {Service_group_name}                                                                                                                            |                                                                            | Service group name |                   |
| ip_host_reason              | 486775787848990727 | Both Local and Remote                                                                                                                           | Reason for state change from server port without virtual-server configured | information        | slb.service-group |
| CEF                         |                    |                                                                                                                                                 |                                                                            |                    |                   |

| Format       | cs1=\$svr_type_str:%s: cs1Label=Server Type cs2=\$server_name:%s: cs2Label=Server Name cs3=\$ip_hostname:%s: cs3Label=IP Or Hostname cs4=\$proto:%s: cs4Label=Protocol cn1=\$port:%u: cn1Label=port cs5=\$sg_name:%s: cs5Label=Service group name cs6=\$status:%s: cs6Label=status cs7=\$reason:%s: cs7Label=Reason |                                                                                                                                                                   |                    |  |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|--|
| Example      | cs1=SLB server cs1Label=Server Type cs2=rs cs2Label=Server Name cs3=www.hostname.com cs3Label=IP Or Hostname cs4=TCP cs4Label=Protocol cn1=0 cn1Label=port cs5=sg cs5Label=Service group name cs6=down cs6Label=status cs7=disable cs7Label=Reason                                                                  |                                                                                                                                                                   |                    |  |  |
| SYSLOG       |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                   |                    |  |  |
| Format       | \$svr_type_str:%s: \$server_name:%s: (\$ip_hostname:%s:) \$proto:%s: port \$port:%u: of group \$sg_name:%s: is \$status:%s: (\$reason:%s:).                                                                                                                                                                         |                                                                                                                                                                   |                    |  |  |
| Example      | SLB server rs (www.hostname.com) TCP port 0 of group sg is down (disable).                                                                                                                                                                                                                                          |                                                                                                                                                                   |                    |  |  |
| Variable     | Type                                                                                                                                                                                                                                                                                                                | Value                                                                                                                                                             | Description        |  |  |
| svr_type_str | String                                                                                                                                                                                                                                                                                                              | SLB server<br>FWLB node<br>GSLB server<br>CGNv6 server<br>AAM auth server<br>FW server<br>Server                                                                  | Server type        |  |  |
| server_name  | String                                                                                                                                                                                                                                                                                                              | {Real_server_name}                                                                                                                                                | Real server name   |  |  |
| ip_hostname  | String                                                                                                                                                                                                                                                                                                              | {IP_Hostname}                                                                                                                                                     | IP Hostname        |  |  |
| proto        | String                                                                                                                                                                                                                                                                                                              | TCP<br>UDP                                                                                                                                                        | Protocol           |  |  |
| port         | Unsigned Integer                                                                                                                                                                                                                                                                                                    | 0-65534                                                                                                                                                           | Port               |  |  |
| sg_name      | String                                                                                                                                                                                                                                                                                                              | {Service_group_name}                                                                                                                                              | Service group name |  |  |
| status       | String                                                                                                                                                                                                                                                                                                              | down<br>maintenance<br>up<br>disabled<br>down (real port disabled)<br>down (server disabled)<br>down (server down)<br>down (real port down)<br>down (server down) | Status             |  |  |
| reason       | String                                                                                                                                                                                                                                                                                                              | disable<br>enable<br>health-check<br>Maintenance<br>disabled-with-health-check<br>unknown reason                                                                  | Reason             |  |  |
|              |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                   |                    |  |  |

|                         |                                                                                                                                     |                       |                                                         |                     |                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------|---------------------|-------------------|
| min_active_member_state | 486775787848990724                                                                                                                  | Both Local and Remote | Service group minimum active member state               | warning             | slb.service-group |
| CEF                     |                                                                                                                                     |                       |                                                         |                     |                   |
| Format                  | cs1=\$sg_name:%s: cs1Label=Service Group Name cs2=\$state:%s: cs2Label=State cn1=\$active-members:%u: cn1Label=Active Member Number |                       |                                                         |                     |                   |
| Example                 | cs1=sg cs1Label=Service Group Name cs2=up cs2Label=State cn1=5 cn1Label=Active Member Number                                        |                       |                                                         |                     |                   |
| SYSLOG                  |                                                                                                                                     |                       |                                                         |                     |                   |
| Format                  | Service group \$sg_name:%s: \$state:%s: by min-active-member, with active-members: \$active-members:%u:                             |                       |                                                         |                     |                   |
| Example                 | Service group sg up by min-active-member, with active-members: 5                                                                    |                       |                                                         |                     |                   |
| Variable                | Type                                                                                                                                | Value                 |                                                         | Description         |                   |
| sg_name                 | String                                                                                                                              | {Service_group_name}  |                                                         | Service group name  |                   |
| state                   | String                                                                                                                              | up<br>down            |                                                         | State               |                   |
| active-members          | Unsigned Integer                                                                                                                    | {Active_member_count} |                                                         | Active member count |                   |
| rate_limit              | 486775787848990729                                                                                                                  | Both Local and Remote | Reset-unknown-conn packet rate limit exceeded.          | information         | slb.service-group |
| CEF                     |                                                                                                                                     |                       |                                                         |                     |                   |
| Format                  | cn1=\$rate_limit:%u: cn1Label=Rate limit                                                                                            |                       |                                                         |                     |                   |
| Example                 | cn1=1 cn1Label=Rate limit                                                                                                           |                       |                                                         |                     |                   |
| SYSLOG                  |                                                                                                                                     |                       |                                                         |                     |                   |
| Format                  | Reset-unknown-conn packet rate limit \$rate_limit:%u: exceeded.                                                                     |                       |                                                         |                     |                   |
| Example                 | Reset-unknown-conn packet rate limit 1 exceeded.                                                                                    |                       |                                                         |                     |                   |
| Variable                | Type                                                                                                                                | Value                 |                                                         | Description         |                   |
| rate_limit              | Unsigned Integer                                                                                                                    | 1-1048575             |                                                         | Rate limit          |                   |
| sg_group                | 486775787848990725                                                                                                                  | Both Local and Remote | Enabled new connections on server port in service group | information         | slb.service-group |
| CEF                     |                                                                                                                                     |                       |                                                         |                     |                   |
| Format                  | cs1=\$server_name:%s: cs1Label=Real Server Name cn1=\$port:%u: cn1Label=Port cs2=\$sg_name:%s: cs2Label=Service group name          |                       |                                                         |                     |                   |
| Example                 | cs1=rs cs1Label=Real Server Name cn1=0 cn1Label=Port cs2=sg cs2Label=Service group name                                             |                       |                                                         |                     |                   |
|                         |                                                                                                                                     |                       |                                                         |                     |                   |

| SYSLOG      |                    |                                                                                                                                                                                                                     |                                       |                    |                   |
|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------|-------------------|
| Format      |                    | Enabled new connections on server \$server_name:%s: port \$port:%u: in \$sg_name:%s: group                                                                                                                          |                                       |                    |                   |
| Example     |                    | Enabled new connections on server rs port 0 in sg group                                                                                                                                                             |                                       |                    |                   |
| Variable    | Type               | Value                                                                                                                                                                                                               |                                       | Description        |                   |
| server_name | String             | {Real_server_name}                                                                                                                                                                                                  |                                       | Real server name   |                   |
| port        | Unsigned Integer   | 0-65534                                                                                                                                                                                                             |                                       | Port               |                   |
| sg_name     | String             | {Service_group_name}                                                                                                                                                                                                |                                       | Service group name |                   |
| state       | 486775787848990721 | Both Local and Remote                                                                                                                                                                                               | Change in service group display state | information        | slb.service-group |
| CEF         |                    |                                                                                                                                                                                                                     |                                       |                    |                   |
| Format      |                    | cs1=\$sg_name:%s: cs1Label=Service Group Name cs2=\$state:%s: cs2Label=Service Group State                                                                                                                          |                                       |                    |                   |
| Example     |                    | cs1=sg cs1Label=Service Group Name cs2=up cs2Label=Service Group State                                                                                                                                              |                                       |                    |                   |
| SYSLOG      |                    |                                                                                                                                                                                                                     |                                       |                    |                   |
| Format      |                    | Service-group \$sg_name:%s: is \$state:%s:.                                                                                                                                                                         |                                       |                    |                   |
| Example     |                    | Service-group sg is up.                                                                                                                                                                                             |                                       |                    |                   |
| Variable    | Type               | Value                                                                                                                                                                                                               |                                       | Description        |                   |
| sg_name     | String             | {Service_group_name}                                                                                                                                                                                                |                                       | Service group name |                   |
| state       | String             | up<br>down                                                                                                                                                                                                          |                                       | State              |                   |
| status      | 486775787848990726 | Both Local and Remote                                                                                                                                                                                               | Change in service group status        | information        | slb.service-group |
| CEF         |                    |                                                                                                                                                                                                                     |                                       |                    |                   |
| Format      |                    | cs1=\$svr_type_str:%s: cs1Label=Server Type cs2=\$server_name:%s: cs2Label=Server Name cs3=\$ip_hostname:%s: cs3Label=IP or Hostname cs4=\$sg_name:%s: cs4Label=Service Group Name cs5=\$status:%s: cs5Label=Status |                                       |                    |                   |
| Example     |                    | cs1=SLB server cs1Label=Server Type cs2=rs cs2Label=Server Name cs3=www.hostname.com cs3Label=IP or Hostname cs4=sg cs4Label=Service Group Name cs5=down cs5Label=Status                                            |                                       |                    |                   |
| SYSLOG      |                    |                                                                                                                                                                                                                     |                                       |                    |                   |
| Format      |                    | \$svr_type_str:%s: \$server_name:%s: (\$ip_hostname:%s:) of group \$sg_name:%s: is \$status:%s:.                                                                                                                    |                                       |                    |                   |
| Example     |                    | SLB server rs (www.hostname.com) of group sg is down.                                                                                                                                                               |                                       |                    |                   |

| Variable        | Type                                                                                                                                                                                                                | Value                                                                                            |                                                                              | Description        |                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------|-------------------|
| svr_type_str    | String                                                                                                                                                                                                              | SLB server<br>FWLB node<br>GSLB server<br>CGNv6 server<br>AAM auth server<br>FW server<br>Server |                                                                              | Server type        |                   |
| server_name     | String                                                                                                                                                                                                              | {Real_server_name}                                                                               |                                                                              | Real server name   |                   |
| ip_hostname     | String                                                                                                                                                                                                              | {IP_Hostname}                                                                                    |                                                                              | IP Hostname        |                   |
| sg_name         | String                                                                                                                                                                                                              | {Service_group_name}                                                                             |                                                                              | Service group name |                   |
| status          | String                                                                                                                                                                                                              | down<br>maintenance<br>up                                                                        |                                                                              | Status             |                   |
| status_send_err | 486775787848990735                                                                                                                                                                                                  | Both Local and Remote                                                                            | SLB Service Group error in sending health status update from Master to Blade | information        | slb.service-group |
| CEF             |                                                                                                                                                                                                                     |                                                                                                  |                                                                              |                    |                   |
| Format          | cs1=\$svr_type_str:%s: cs1Label=Server Type cs2=\$server_name:%s: cs2Label=Server Name cs3=\$ip_hostname:%s: cs3Label=IP or Hostname cs4=\$sg_name:%s: cs4Label=Service Group Name cs5=\$status:%s: cs5Label=Status |                                                                                                  |                                                                              |                    |                   |
| Example         | cs1=SLB server cs1Label=Server Type cs2=rs cs2Label=Server Name cs3=www.hostname.com cs3Label=IP or Hostname cs4=sg cs4Label=Service Group Name cs5=down cs5Label=Status                                            |                                                                                                  |                                                                              |                    |                   |
| SYSLOG          |                                                                                                                                                                                                                     |                                                                                                  |                                                                              |                    |                   |
| Format          | \$svr_type_str:%s: \$server_name:%s: (\$ip_hostname:%s:) of group \$sg_name:%s: is \$status:%s:.                                                                                                                    |                                                                                                  |                                                                              |                    |                   |
| Example         | SLB server rs (www.hostname.com) of group sg is down.                                                                                                                                                               |                                                                                                  |                                                                              |                    |                   |
| Variable        | Type                                                                                                                                                                                                                | Value                                                                                            |                                                                              | Description        |                   |
| svr_type_str    | String                                                                                                                                                                                                              | SLB server<br>FWLB node<br>GSLB server<br>CGNv6 server<br>AAM auth server<br>FW server<br>Server |                                                                              | Server type        |                   |
| server_name     | String                                                                                                                                                                                                              | {Real_server_name}                                                                               |                                                                              | Real server name   |                   |
| ip_hostname     | String                                                                                                                                                                                                              | {IP_Hostname}                                                                                    |                                                                              | IP Hostname        |                   |

|                   |                                                                                                                                                                                                |                           |                                                      |                    |                   |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------|--------------------|-------------------|
| sg_name           | String                                                                                                                                                                                         | {Service_group_name}      |                                                      | Service group name |                   |
| status            | String                                                                                                                                                                                         | down<br>maintenance<br>up |                                                      | Status             |                   |
| top_message       | 486775787848990733                                                                                                                                                                             | Both Local and Remote     | Log top servers in service-group                     | information        | slb.service-group |
| CEF               |                                                                                                                                                                                                |                           |                                                      |                    |                   |
| Format            | cs1=\$msg_type:%s: cs1Label=Service Group message type cs2=\$sg_name:%s: cs2Label=Service Group Name                                                                                           |                           |                                                      |                    |                   |
| Example           | cs1=fastest cs1Label=Service Group message type cs2=sg cs2Label=Service Group Name                                                                                                             |                           |                                                      |                    |                   |
| SYSLOG            |                                                                                                                                                                                                |                           |                                                      |                    |                   |
| Format            | top-\$msg_type:%s:: Top servers for service group \$sg_name:%s:                                                                                                                                |                           |                                                      |                    |                   |
| Example           | top-fastest: Top servers for service group sg                                                                                                                                                  |                           |                                                      |                    |                   |
| Variable          | Type                                                                                                                                                                                           | Value                     |                                                      | Description        |                   |
| msg_type          | String                                                                                                                                                                                         | fastest<br>slowest        |                                                      | Top Type           |                   |
| sg_name           | String                                                                                                                                                                                         | {Service_Group_Name}      |                                                      | Service Group Name |                   |
| top_message_param | 486775787848990734                                                                                                                                                                             | Both Local and Remote     | Log top 10 servers in service-group by response-time | information        | slb.service-group |
| CEF               |                                                                                                                                                                                                |                           |                                                      |                    |                   |
| Format            | cs1=\$msg_type:%s: cs1Label=Service Group message type cn1=\$index:%d: cn1Label=Index cs2=\$rserver_name:%s: cs2Label=Server Name<br>cn2=\$rsp_time:%d: cn2Label=Response time in 10usec units |                           |                                                      |                    |                   |
| Example           | cs1=fastest cs1Label=Service Group message type cn1=1 cn1Label=Index cs2=rs cs2Label=Server Name cn2=4 cn2Label=Response time in 10usec units                                                  |                           |                                                      |                    |                   |
| SYSLOG            |                                                                                                                                                                                                |                           |                                                      |                    |                   |
| Format            | top-\$msg_type:%s: \$index:%d:: \$rserver_name:%s:, \$rsp_time:%d: (10usec)                                                                                                                    |                           |                                                      |                    |                   |
| Example           | top-fastest 1: rs, 4 (10usec)                                                                                                                                                                  |                           |                                                      |                    |                   |
| Variable          | Type                                                                                                                                                                                           | Value                     |                                                      | Description        |                   |
| msg_type          | String                                                                                                                                                                                         | fastest<br>slowest        |                                                      | Top Type           |                   |
| index             | Integer                                                                                                                                                                                        | 1-10                      |                                                      | Place in top 10    |                   |



|                 |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                  |                                                                         |                    |                   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------|-------------------|
| rserver_name    | String                                                                                                                                                                                                                                                                                                                                                             | {Real_Server_Name}                                                                               |                                                                         | Real Server Name   |                   |
| rsp_time        | Integer                                                                                                                                                                                                                                                                                                                                                            | {Response_Time}                                                                                  |                                                                         | Response Time      |                   |
| vip_host_reason | 486775787848990728                                                                                                                                                                                                                                                                                                                                                 | Both Local and Remote                                                                            | Reason for state change from server port with virtual-server configured | information        | slb.service-group |
| CEF             |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                  |                                                                         |                    |                   |
| Format          | cs1=\$svr_type_str:%s: cs1Label=Server Type cs2=\$server_name:%s: cs2Label=Server Name cs3=\$ip_hostname:%s: cs3Label=IP Or Hostname cs4=\$proto:%s: cs4Label=Protocol cn1=\$port:%u: cn1Label=Port cs5=\$sg_name:%s: cs5Label=Service group name cs6=\$vs_name:%s: cs6Label=Virtual Server Name cs7=\$status:%s: cs7Label=Status cs8=\$reason:%s: cs8Label=reason |                                                                                                  |                                                                         |                    |                   |
| Example         | cs1=SLB server cs1Label=Server Type cs2=rs cs2Label=Server Name cs3=www.hostname.com cs3Label=IP Or Hostname cs4=TCP cs4Label=Protocol cn1=0 cn1Label=Port cs5=sg cs5Label=Service group name cs6=vs cs6Label=Virtual Server Name cs7=down cs7Label=Status cs8=disable cs8Label=reason                                                                             |                                                                                                  |                                                                         |                    |                   |
| SYSLOG          |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                  |                                                                         |                    |                   |
| Format          | \$svr_type_str:%s: \$server_name:%s: (\$ip_hostname:%s:) \$proto:%s: port \$port:%u: of group \$sg_name:%s: VIP \$vs_name:%s: is \$status:%s: (\$reason:%s:)                                                                                                                                                                                                       |                                                                                                  |                                                                         |                    |                   |
| Example         | SLB server rs (www.hostname.com) TCP port 0 of group sg VIP vs is down (disable)                                                                                                                                                                                                                                                                                   |                                                                                                  |                                                                         |                    |                   |
| Variable        | Type                                                                                                                                                                                                                                                                                                                                                               | Value                                                                                            |                                                                         | Description        |                   |
| svr_type_str    | String                                                                                                                                                                                                                                                                                                                                                             | SLB server<br>FWLB node<br>GSLB server<br>CGNv6 server<br>AAM auth server<br>FW server<br>Server |                                                                         | Server type        |                   |
| server_name     | String                                                                                                                                                                                                                                                                                                                                                             | {Real_server_name}                                                                               |                                                                         | Real server name   |                   |
| ip_hostname     | String                                                                                                                                                                                                                                                                                                                                                             | {IP_Hostname}                                                                                    |                                                                         | IP Hostname        |                   |
| proto           | String                                                                                                                                                                                                                                                                                                                                                             | TCP<br>UDP                                                                                       |                                                                         | Protocol           |                   |
| port            | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                   | 0-65534                                                                                          |                                                                         | Port               |                   |
| sg_name         | String                                                                                                                                                                                                                                                                                                                                                             | {Service_group_name}                                                                             |                                                                         | Service group name |                   |
| vs_name         | String                                                                                                                                                                                                                                                                                                                                                             | {Virtual_server}                                                                                 |                                                                         | Virtual server     |                   |
|                 |                                                                                                                                                                                                                                                                                                                                                                    | down<br>maintenance<br>up<br>disabled                                                            |                                                                         |                    |                   |

|                          |                    |                                                                                                                          |                                     |             |                         |
|--------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|-------------------------|
| status                   | String             | down (real port disabled)<br>down (server disabled)<br>down (server down)<br>down (real port down)<br>down (server down) |                                     | Status      |                         |
| reason                   | String             | disable<br>enable<br>health-check<br>Maintenance<br>disabled-with-health-check<br>unknown reason                         |                                     | Reason      |                         |
| failed_to_get_blade_info | 487321145616367618 | Both Local and Remote                                                                                                    | SLB Switch Failed to get blade info | information | slb.switch              |
| CEF                      |                    |                                                                                                                          |                                     |             |                         |
| Format                   |                    |                                                                                                                          |                                     |             |                         |
| Example                  |                    |                                                                                                                          |                                     |             |                         |
| SYSLOG                   |                    |                                                                                                                          |                                     |             |                         |
| Format                   |                    | Failed to get slb switch info from \$blade:%s:                                                                           |                                     |             |                         |
| Example                  |                    | Failed to get slb switch info from blade                                                                                 |                                     |             |                         |
| Variable                 | Type               | Value                                                                                                                    |                                     | Description |                         |
| blade                    | String             | {blade_name}                                                                                                             |                                     | blade name  |                         |
| ran_out_of_memory        | 487321145616367617 | Both Local and Remote                                                                                                    | Ran out of memory                   | information | slb.switch              |
| CEF                      |                    |                                                                                                                          |                                     |             |                         |
| Format                   |                    |                                                                                                                          |                                     |             |                         |
| SYSLOG                   |                    |                                                                                                                          |                                     |             |                         |
| Format                   |                    | Ran out of memory                                                                                                        |                                     |             |                         |
| log-ssl-alert            | 486706518616440845 | Both Local and Remote                                                                                                    | SSL Alert Log                       | alert       | slb.template.client-ssl |
| CEF                      |                    |                                                                                                                          |                                     |             |                         |
| Format                   |                    | cs1=\$message:%s: cs1Label=message                                                                                       |                                     |             |                         |
| Example                  |                    | cs1=SSL ALert Log cs1Label=message                                                                                       |                                     |             |                         |

|                                     |                    |                                                                                                                                                                                                                                    |                             |               |                         |
|-------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|-------------------------|
| SYSLOG                              |                    |                                                                                                                                                                                                                                    |                             |               |                         |
| Format                              |                    | \$message:%s:                                                                                                                                                                                                                      |                             |               |                         |
| Example                             |                    | SSL ALert Log                                                                                                                                                                                                                      |                             |               |                         |
| Variable                            | Type               | Value                                                                                                                                                                                                                              |                             | Description   |                         |
| message                             | String             | SSL ALert Log                                                                                                                                                                                                                      |                             | Message       |                         |
| log-ssl-cert-pinning-feedback-error | 486706518616440861 | Both Local and Remote                                                                                                                                                                                                              | Cert Pinning Feedback Error | error         | slb.template.client-ssl |
| CEF                                 |                    |                                                                                                                                                                                                                                    |                             |               |                         |
| Format                              |                    | msg=\$msg:%s:                                                                                                                                                                                                                      |                             |               |                         |
| Example                             |                    | msg=Failed to create thread for uploading cert-pin-feedack-list                                                                                                                                                                    |                             |               |                         |
| SYSLOG                              |                    |                                                                                                                                                                                                                                    |                             |               |                         |
| Format                              |                    | Cert Pinning Feedback Error, \$msg:%s:                                                                                                                                                                                             |                             |               |                         |
| Example                             |                    | Cert Pinning Feedback Error, Failed to create thread for uploading cert-pin-feedack-list                                                                                                                                           |                             |               |                         |
| Variable                            | Type               | Value                                                                                                                                                                                                                              |                             | Description   |                         |
| msg                                 | String             | Failed to create thread for uploading cert-pin-feedack-list<br>Failed to upload the cert-pin-feedback-list to Central Service<br>Failed to generate the cert-pin-feedback-list<br>Failed to remove the cert-pin-feedback-list file |                             | Error Message |                         |
| log-ssl-cert-pinning-notify         | 486706518616440859 | Both Local and Remote                                                                                                                                                                                                              | Cert Pinning Notify         | warning       | slb.template.client-ssl |
| CEF                                 |                    |                                                                                                                                                                                                                                    |                             |               |                         |
| Format                              |                    | src=\$src:%s: spt=\$spt:%u:: dst=\$dst:%s: dpt=\$dpt:%u: dhost=\$dhost:%s: msg=\$msg:%s:                                                                                                                                           |                             |               |                         |
| Example                             |                    | src=1.1.1.1 spt=0: dst=5.5.5.5 dpt=0 dhost=google.com msg=Client RST--Cert-pinning candidate                                                                                                                                       |                             |               |                         |
| SYSLOG                              |                    |                                                                                                                                                                                                                                    |                             |               |                         |
| Format                              |                    | Cert Pinning Notify, src=\$src:%s: src_port=\$spt:%u: dst=\$dst:%s: dst_port=\$dpt:%u: destination_host=\$dhost:%s: msg=\$msg:%s:                                                                                                  |                             |               |                         |
| Example                             |                    | Cert Pinning Notify, src=1.1.1.1 src_port=0 dst=5.5.5.5 dst_port=0 destination_host=google.com msg=Client RST--Cert-pinning candidate                                                                                              |                             |               |                         |
| Variable                            | Type               | Value                                                                                                                                                                                                                              |                             | Description   |                         |
| src                                 | String             | {Source_IP}                                                                                                                                                                                                                        |                             | Source IP     |                         |

|                        |                                                                                    |                                                                                                                                                                                |                                     |                  |                         |
|------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|-------------------------|
| spt                    | Unsigned Integer                                                                   | 0-65535                                                                                                                                                                        |                                     | Source Port      |                         |
| dst                    | String                                                                             | {Destination_IP}                                                                                                                                                               |                                     | Destination IP   |                         |
| dpt                    | Unsigned Integer                                                                   | 0-65535                                                                                                                                                                        |                                     | Destination Port |                         |
| dhost                  | String                                                                             | {Server_Name}                                                                                                                                                                  |                                     | Server Name      |                         |
| msg                    | String                                                                             | Client RST--Cert-pinning candidate<br>Client FIN--Cert-pinning candidate<br>Client Bad Cert Alert--Cert-pinning candidate<br>Client Close Notify Alert--Cert-pinning candidate |                                     | Notify Message   |                         |
| log-ssl-crit-SVMFailed | 486706518616440857                                                                 | Both Local and Remote                                                                                                                                                          | Failed to create inet service group | critical         | slb.template.client-ssl |
| CEF                    |                                                                                    |                                                                                                                                                                                |                                     |                  |                         |
| Format                 | cs1=\$msg:%s: cs1Label=message cs2=\$proto:%s: cs2Label=protocol                   |                                                                                                                                                                                |                                     |                  |                         |
| Example                | cs1=Failed to create inet service group cs1Label=message cs2=tcp cs2Label=protocol |                                                                                                                                                                                |                                     |                  |                         |
| SYSLOG                 |                                                                                    |                                                                                                                                                                                |                                     |                  |                         |
| Format                 | \$msg:%s:, protocol is \$proto:%s:                                                 |                                                                                                                                                                                |                                     |                  |                         |
| Example                | Failed to create inet service group, protocol is tcp                               |                                                                                                                                                                                |                                     |                  |                         |
| Variable               | Type                                                                               | Value                                                                                                                                                                          |                                     | Description      |                         |
| msg                    | String                                                                             | Failed to create inet service group                                                                                                                                            |                                     | Message          |                         |
| proto                  | String                                                                             | tcp<br>udp                                                                                                                                                                     |                                     | Protocol         |                         |
| log-ssl-err            | 486706518616440851                                                                 | Both Local and Remote                                                                                                                                                          | SSL Error Log                       | error            | slb.template.client-ssl |
| CEF                    |                                                                                    |                                                                                                                                                                                |                                     |                  |                         |
| Format                 | cs1=\$message:%s: cs1Label=message                                                 |                                                                                                                                                                                |                                     |                  |                         |
| Example                | cs1=SSL Error Log cs1Label=message                                                 |                                                                                                                                                                                |                                     |                  |                         |
| SYSLOG                 |                                                                                    |                                                                                                                                                                                |                                     |                  |                         |
| Format                 | \$message:%s:                                                                      |                                                                                                                                                                                |                                     |                  |                         |
| Example                | SSL Error Log                                                                      |                                                                                                                                                                                |                                     |                  |                         |
| Variable               | Type                                                                               | Value                                                                                                                                                                          |                                     | Description      |                         |

|                    |                                                                                                                                                                                                                |                       |                     |                  |                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|------------------|-------------------------|
| message            | String                                                                                                                                                                                                         | SSL Error Log         |                     | Message          |                         |
| log-ssl-info       | 486706518616440837                                                                                                                                                                                             | Both Local and Remote | SSL Information Log | information      | slb.template.client-ssl |
| CEF                |                                                                                                                                                                                                                |                       |                     |                  |                         |
| Format             | cs1=\$message:%s: cs1Label=message                                                                                                                                                                             |                       |                     |                  |                         |
| Example            | cs1=SSL Information Log cs1Label=message                                                                                                                                                                       |                       |                     |                  |                         |
| SYSLOG             |                                                                                                                                                                                                                |                       |                     |                  |                         |
| Format             | \$message:%s:                                                                                                                                                                                                  |                       |                     |                  |                         |
| Example            | SSL Information Log                                                                                                                                                                                            |                       |                     |                  |                         |
| Variable           | Type                                                                                                                                                                                                           | Value                 |                     | Description      |                         |
| message            | String                                                                                                                                                                                                         | SSL Information Log   |                     | Message          |                         |
| log-ssl-info-Alert | 486706518616440849                                                                                                                                                                                             | Both Local and Remote | SSL Alert Message   | information      | slb.template.client-ssl |
| CEF                |                                                                                                                                                                                                                |                       |                     |                  |                         |
| Format             | cs1=\$src:%s: cs1Label=src cs2=\$src_port:%u: cs2Label=src_port cs3=\$dst:%s: cs3Label=dst cs4=\$dst_port:%u: cs4Label=dst_port<br>cs5=\$level:%s: cs5Label=level cs6=\$alert_string:%s: cs6Label=alert_string |                       |                     |                  |                         |
| Example            | cs1=1.1.1.1 cs1Label=src cs2=0 cs2Label=src_port cs3=5.5.5.5 cs3Label=dst cs4=0 cs4Label=dst_port cs5=fatal cs5Label=level cs6=SSL Alert Message cs6Label=alert_string                                         |                       |                     |                  |                         |
| SYSLOG             |                                                                                                                                                                                                                |                       |                     |                  |                         |
| Format             | Alert \$src:%s:(\$src_port:%u:) to \$dst:%s:(\$dst_port:%u:) \$level:%s: \$alert_string:%s:                                                                                                                    |                       |                     |                  |                         |
| Example            | Alert 1.1.1.1(0) to 5.5.5.5(0) fatal SSL Alert Message                                                                                                                                                         |                       |                     |                  |                         |
| Variable           | Type                                                                                                                                                                                                           | Value                 |                     | Description      |                         |
| src                | String                                                                                                                                                                                                         | {Source_IP}           |                     | Source IP        |                         |
| src_port           | Unsigned Integer                                                                                                                                                                                               | 0-65535               |                     | Source Port      |                         |
| dst                | String                                                                                                                                                                                                         | {Destination_IP}      |                     | Destination IP   |                         |
| dst_port           | Unsigned Integer                                                                                                                                                                                               | 0-65535               |                     | Destination Port |                         |
| level              | String                                                                                                                                                                                                         | fatal<br>warning      |                     | Level            |                         |
| alert_string       | String                                                                                                                                                                                                         | SSL Alert Message     |                     | Alert Message    |                         |

|                              |                                                                                                                                                                                                                                                                                        |                                                                               |                             |             |                         |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------|-------------|-------------------------|
| log-ssl-info-Cert            | 486706518616440850                                                                                                                                                                                                                                                                     | Both Local and Remote                                                         | SSL Certificate Information | information | slb.template.client-ssl |
| CEF                          |                                                                                                                                                                                                                                                                                        |                                                                               |                             |             |                         |
| Format                       | cs1=\$message:%s: cs1Label=message cs2=\$subject:%s: cs2Label=subject                                                                                                                                                                                                                  |                                                                               |                             |             |                         |
| Example                      | cs1=signed with alternate signing key cs1Label=message cs2=www.google.com cs2Label=subject                                                                                                                                                                                             |                                                                               |                             |             |                         |
| SYSLOG                       |                                                                                                                                                                                                                                                                                        |                                                                               |                             |             |                         |
| Format                       | \$message:%s: for Certificate \$subject:%s:                                                                                                                                                                                                                                            |                                                                               |                             |             |                         |
| Example                      | signed with alternate signing key for Certificate www.google.com                                                                                                                                                                                                                       |                                                                               |                             |             |                         |
| Variable                     | Type                                                                                                                                                                                                                                                                                   | Value                                                                         |                             | Description |                         |
| message                      | String                                                                                                                                                                                                                                                                                 | signed with alternate signing key<br>Self-signed, redirecting to warning page |                             | Message     |                         |
| subject                      | String                                                                                                                                                                                                                                                                                 | {Subject}                                                                     |                             | Subject     |                         |
| log-ssl-info-InterceptFailed | 486706518616440846                                                                                                                                                                                                                                                                     | Both Local and Remote                                                         | SSL Intercept Failed        | information | slb.template.client-ssl |
| CEF                          |                                                                                                                                                                                                                                                                                        |                                                                               |                             |             |                         |
| Format                       | cs1=\$message:%s: cs1Label=message cs2=\$server_name:%s: cs2Label=server_name cs3=\$message:%s: cs3Label=ip_port cs4=\$reason:%s: cs4Label=reason cs5=\$action:%s: cs5Label=action cs6=\$subject_dn:%s: cs6Label=subject_dn cs7=\$serial_num:%s: cs7Label=serial_num                   |                                                                               |                             |             |                         |
| Example                      | cs1=SSL Intercept Failed cs1Label=message cs2=www.google.com cs2Label=server_name cs3=8.8.8.8 cs3Label=ip_port cs4=Cert Fetch,SSL Fatal Alert cs4Label=reason cs5=bypassed cs5Label=action cs6=google.com cs6Label=subject_dn cs7=0ed5d5591f09c5d6050000000087bc0b cs7Label=serial_num |                                                                               |                             |             |                         |
| SYSLOG                       |                                                                                                                                                                                                                                                                                        |                                                                               |                             |             |                         |
| Format                       | \$message:%s:, server (\$server_name:%s:) (ip \$ip_port:%s:) reason: \$reason:%s: - \$action:%s:, subject_dn: \$subject_dn:%s: serial_num: \$serial_num:%s:                                                                                                                            |                                                                               |                             |             |                         |
| Example                      | SSL Intercept Failed, server (www.google.com) (ip 8.8.8.8) reason: Cert Fetch,SSL Fatal Alert - bypassed, subject_dn: google.com serial_num: 0ed5d5591f09c5d6050000000087bc0b                                                                                                          |                                                                               |                             |             |                         |
| Variable                     | Type                                                                                                                                                                                                                                                                                   | Value                                                                         |                             | Description |                         |
| message                      | String                                                                                                                                                                                                                                                                                 | SSL Intercept Failed                                                          |                             | Message     |                         |
| server_name                  | String                                                                                                                                                                                                                                                                                 | {Server_Name}                                                                 |                             | Server Name |                         |
| ip_port                      | String                                                                                                                                                                                                                                                                                 | {IP}                                                                          |                             | IP          |                         |
| Cert Fetch,SSL Fatal Alert   |                                                                                                                                                                                                                                                                                        |                                                                               |                             |             |                         |

|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|----------------------------|--------|
| reason                   | String                                                                                                                                                                                                                                                        | Cert Fetch, TCP FIN/RST<br>Cert Fetch, Validation Error<br>Client SSL, SSL Fatal Alert<br>Client SSL, TCP FIN/RST<br>SSL Session, TCP FIN/RST<br>Server SSL, SSL Fatal Alert<br>Server SSL, TCP FIN/RST<br>Client SSL, Internal error<br>Client SSL, Unknown error<br>Server SSL, Internal error<br>Server SSL, Unknown error<br>SSL, Crypto Error<br>OCSP Stapling<br>OCSP Revoked<br>Cannot sign Cert<br>Unsupported SSL version<br>Aflex<br>Unknown |                   |              |                            | Reason |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
|                          |                                                                                                                                                                                                                                                               | action                                                                                                                                                                                                                                                                                                                                                                                                                                                 | String            | bypassed     |                            |        |
| subject_dn               | String                                                                                                                                                                                                                                                        | {Subject_Distinguished_Name}                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |              | Subject Distinguished Name |        |
| serial_num               | String                                                                                                                                                                                                                                                        | {Serial_Number}                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              | Serial Number              |        |
| log-ssl-info-MaxSNILimit | 486706518616440841                                                                                                                                                                                                                                            | Both Local and Remote                                                                                                                                                                                                                                                                                                                                                                                                                                  | SSL Max SNI Limit | information  | slb.template.client-ssl    |        |
| CEF                      |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
| Format                   | cs1=\$message:%s: cs1Label=message cs2=\$queue_length:%u: cs2Label=queue_length cs3=\$server_name:%s: cs3Label=server_name<br>cs4=\$src:%s: cs4Label=src cs5=\$src_port:%u: cs5Label=src_port cs6=\$dst:%s: cs6Label=dst cs7=\$dst_port:%u: cs7Label=dst_port |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
| Example                  | cs1=SSL MAX SNI Limit cs1Label=message cs2=4000 cs2Label=queue_length cs3=www.google.com cs3Label=server_name cs4=1.1.1.1<br>cs4Label=src cs5=0 cs5Label=src_port cs6=2.2.2.2 cs6Label=dst cs7=0 cs7Label=dst_port                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
| SYSLOG                   |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
| Format                   | \$message:%s:, \$queue_length:%u:, active dynamic ssl contexts, failed to create context for servername:\$server_name:%s:, Client IP:\$src:%s:, Client Port:\$src_port:%u:, Virtual Server IP:\$dst:%s:, Virtual Port:\$dst_port:%u:                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
| Example                  | SSL MAX SNI Limit, 4000, active dynamic ssl contexts, failed to create context for servername:www.google.com, Client IP:1.1.1.1, Client Port:0, Virtual Server IP:2.2.2.2, Virtual Port:0                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              |                            |        |
| Variable                 | Type                                                                                                                                                                                                                                                          | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | Description  |                            |        |
| message                  | String                                                                                                                                                                                                                                                        | SSL MAX SNI Limit                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | Message      |                            |        |
| queue_length             | Unsigned Integer                                                                                                                                                                                                                                              | {Queue_Length}                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | Queue Length |                            |        |
| server_name              | String                                                                                                                                                                                                                                                        | {Server_Name}                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | Server Name  |                            |        |

|                                    |                                                                                       |                                        |                                 |                   |                         |
|------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|---------------------------------|-------------------|-------------------------|
| src                                | String                                                                                | {Source_IP}                            |                                 | Source IP         |                         |
| src_port                           | Unsigned Integer                                                                      | 0-65535                                |                                 | Source Port       |                         |
| dst                                | String                                                                                | {Virtual_Server_IP}                    |                                 | Virtual Server IP |                         |
| dst_port                           | Unsigned Integer                                                                      | 0-65535                                |                                 | Destination Port  |                         |
| log-ssl-info-RetrieveFailedSubject | 486706518616440842                                                                    | Both Local and Remote                  | SSL Retrieve Subject Failed     | information       | slb.template.client-ssl |
| CEF                                |                                                                                       |                                        |                                 |                   |                         |
| Format                             | cs1=\$message:%s: cs1Label=message cs2=\$vserver:%s: cs2Label=vserver                 |                                        |                                 |                   |                         |
| Example                            | cs1=SSL Retrieve Subject Failed cs1Label=message cs2=vip1 cs2Label=vserver            |                                        |                                 |                   |                         |
| SYSLOG                             |                                                                                       |                                        |                                 |                   |                         |
| Format                             | \$message:%s: \$vserver:%s:                                                           |                                        |                                 |                   |                         |
| Example                            | SSL Retrieve Subject Failed vip1                                                      |                                        |                                 |                   |                         |
| Variable                           | Type                                                                                  | Value                                  |                                 | Description       |                         |
| message                            | String                                                                                | SSL Retrieve Subject Failed            |                                 | Message           |                         |
| vserver                            | String                                                                                | {Virtual_Server}                       |                                 | Virtual Server    |                         |
| log-ssl-info-RetrieveFailedUPN     | 486706518616440843                                                                    | Both Local and Remote                  | SSL Retrieve UPN Failed         | information       | slb.template.client-ssl |
| CEF                                |                                                                                       |                                        |                                 |                   |                         |
| Format                             | cs1=\$message:%s: cs1Label=message cs2=\$vserver:%s: cs2Label=vserver                 |                                        |                                 |                   |                         |
| Example                            | cs1=Failed to retrieve UPN when SSL client cs1Label=message cs2=vip1 cs2Label=vserver |                                        |                                 |                   |                         |
| SYSLOG                             |                                                                                       |                                        |                                 |                   |                         |
| Format                             | \$message:%s: \$vserver:%s:                                                           |                                        |                                 |                   |                         |
| Example                            | Failed to retrieve UPN when SSL client vip1                                           |                                        |                                 |                   |                         |
| Variable                           | Type                                                                                  | Value                                  |                                 | Description       |                         |
| message                            | String                                                                                | Failed to retrieve UPN when SSL client |                                 | Message           |                         |
| vserver                            | String                                                                                | {Virtual_Server}                       |                                 | Virtual Server    |                         |
| log-ssl-info-RetrieveFailedUPNTwo  | 486706518616440844                                                                    | Both Local and Remote                  | SSL Retrieve UPN Subject Failed | information       | slb.template.client-ssl |



| CEF                            |                    |                                                                                                                                                                                                                  |                                 |                   |                         |
|--------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------|-------------------------|
| Format                         |                    | cs1=\$message:%s: cs1Label=message cs2=\$subject_dn:%s: cs2Label=subject_dn cs3=\$vserver:%s: cs3Label=vserver                                                                                                   |                                 |                   |                         |
| Example                        |                    | cs1=Failed to retrieve UPN when SSL client cs1Label=message cs2=www.google.com cs2Label=subject_dn cs3=www.google.com cs3Label=vserver                                                                           |                                 |                   |                         |
| SYSLOG                         |                    |                                                                                                                                                                                                                  |                                 |                   |                         |
| Format                         |                    | \$message:%s: \$subject_dn:%s: accesses \$vserver:%s:                                                                                                                                                            |                                 |                   |                         |
| Example                        |                    | Failed to retrieve UPN when SSL client www.google.com accesses www.google.com                                                                                                                                    |                                 |                   |                         |
| Variable                       | Type               | Value                                                                                                                                                                                                            |                                 | Description       |                         |
| message                        | String             | Failed to retrieve UPN when SSL client                                                                                                                                                                           |                                 | Message           |                         |
| subject_dn                     | String             | {Subject}                                                                                                                                                                                                        |                                 | Subject           |                         |
| vserver                        | String             | {Virtual_Server}                                                                                                                                                                                                 |                                 | Virtual Server    |                         |
| log-ssl-info-SNIFailedCreation | 486706518616440838 | Both Local and Remote                                                                                                                                                                                            | SSL SNI Context Creation Failed | information       | slb.template.client-ssl |
| CEF                            |                    |                                                                                                                                                                                                                  |                                 |                   |                         |
| Format                         |                    | cs1=\$message:%s: cs1Label=message cs2=\$server_name:%s: cs2Label=server_name cs3=\$src:%s: cs3Label=src cs4=\$src_port:%u: cs4Label=source_port cs5=\$dst:%s: cs5Label=dst cs6=\$dst_port:%u: cs6Label=dst_port |                                 |                   |                         |
| Example                        |                    | cs1=SSL SNI Context Creation Failed cs1Label=message cs2=www.google.com cs2Label=server_name cs3=1.1.1.1 cs3Label=src cs4=0 cs4Label=source_port cs5=2.2.2.2 cs5Label=dst cs6=0 cs6Label=dst_port                |                                 |                   |                         |
| SYSLOG                         |                    |                                                                                                                                                                                                                  |                                 |                   |                         |
| Format                         |                    | \$message:%s: for servername: \$server_name:%s:, Client IP:\$src:%s:, Client Port:\$src_port:%u:, Virtual Server IP:\$dst:%s:, Virtual Port:\$dst_port:%u:                                                       |                                 |                   |                         |
| Example                        |                    | SSL SNI Context Creation Failed for servername: www.google.com, Client IP:1.1.1.1, Client Port:0, Virtual Server IP:2.2.2.2, Virtual Port:0                                                                      |                                 |                   |                         |
| Variable                       | Type               | Value                                                                                                                                                                                                            |                                 | Description       |                         |
| message                        | String             | SSL SNI Context Creation Failed                                                                                                                                                                                  |                                 | Message           |                         |
| server_name                    | String             | {Server_Name}                                                                                                                                                                                                    |                                 | Server Name       |                         |
| src                            | String             | {Source_IP}                                                                                                                                                                                                      |                                 | Source IP         |                         |
| src_port                       | Unsigned Integer   | 0-65535                                                                                                                                                                                                          |                                 | Source Port       |                         |
| dst                            | String             | {Virtual_Server_IP}                                                                                                                                                                                              |                                 | Virtual Server IP |                         |
| dst_port                       | Unsigned Integer   | 0-65535                                                                                                                                                                                                          |                                 | Destination Port  |                         |

|                          |                                                                                                                                                                                                              |                                                                         |                                   |                     |                         |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------|---------------------|-------------------------|
| log-ssl-info-VerifFailed | 486706518616440848                                                                                                                                                                                           | Both Local and Remote                                                   | SSL Server CA Verification Failed | information         | slb.template.client-ssl |
| CEF                      |                                                                                                                                                                                                              |                                                                         |                                   |                     |                         |
| Format                   | cs1=\$message:%s: cs1Label=message cs2=\$server_name:%s: cs2Label=server_name cs3=\$dst:%s: cs3Label=dst                                                                                                     |                                                                         |                                   |                     |                         |
| Example                  | cs1=SSL Server CA Verification Failed cs1Label=message cs2=www.google.com cs2Label=server_name cs3=5.5.5.5 cs3Label=dst                                                                                      |                                                                         |                                   |                     |                         |
| SYSLOG                   |                                                                                                                                                                                                              |                                                                         |                                   |                     |                         |
| Format                   | \$message:%s: with host name:\$server_name:%s: and Destination IP:\$dst:%s:                                                                                                                                  |                                                                         |                                   |                     |                         |
| Example                  | SSL Server CA Verification Failed with host name:www.google.com and Destination IP:5.5.5.5                                                                                                                   |                                                                         |                                   |                     |                         |
| Variable                 | Type                                                                                                                                                                                                         | Value                                                                   |                                   | Description         |                         |
| message                  | String                                                                                                                                                                                                       | SSL Server CA Verification Failed                                       |                                   | Message             |                         |
| server_name              | String                                                                                                                                                                                                       | {Server_Name}                                                           |                                   | Server Name         |                         |
| dst                      | String                                                                                                                                                                                                       | {Destination_IP}                                                        |                                   | Destination IP      |                         |
| log-ssl-sni-bypass       | 486706518616440860                                                                                                                                                                                           | Both Local and Remote                                                   | SNI bypassed                      | information         | slb.template.client-ssl |
| CEF                      |                                                                                                                                                                                                              |                                                                         |                                   |                     |                         |
| Format                   | reason=\$reason:%s: dhost=\$sni:%s: src=\$src_v4:%s: c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$sport:%u: dst=\$dest_v4:%s: c6a3=\$dest_v6:%s: c6a3Label=Desitnation IPv6 Address dpt=\$dport:%u: |                                                                         |                                   |                     |                         |
| Example                  | reason=missing cert\ dhost=www.google.com src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=0 dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Desitnation IPv6 Address dpt=0                               |                                                                         |                                   |                     |                         |
| SYSLOG                   |                                                                                                                                                                                                              |                                                                         |                                   |                     |                         |
| Format                   | [SSL SNI bypassed] reason: \$reason:%s:, sni: \$sni:%s:, src ip: \$src_v4:%s:, src ip: \$src_v6:%s:, src port: \$sport:%u:, dest ip: \$dest_v4:%s:, dest ip: \$dest_v6:%s:, dest port: \$dport:%u:           |                                                                         |                                   |                     |                         |
| Example                  | [SSL SNI bypassed] reason: missing cert\, sni: www.google.com, src ip: 1.1.1.1, src ip: 1111::1111, src port: 0, dest ip: 2.2.2.2, dest ip: 2222::2222, dest port: 0                                         |                                                                         |                                   |                     |                         |
| Variable                 | Type                                                                                                                                                                                                         | Value                                                                   |                                   | Description         |                         |
| reason                   | String                                                                                                                                                                                                       | missing cert/key<br>certificate expired<br>matched explicit bypass list |                                   | reason              |                         |
| sni                      | String                                                                                                                                                                                                       | {SNI}                                                                   |                                   | SNI                 |                         |
| src_v4                   | IP V4 Address                                                                                                                                                                                                | {source_IPv4_address}                                                   |                                   | source IPv4 address |                         |

|                              |                                                                         |                            |                                 |                          |                         |
|------------------------------|-------------------------------------------------------------------------|----------------------------|---------------------------------|--------------------------|-------------------------|
| src_v6                       | IP V6 Address                                                           | {source_IPv6_address}      |                                 | source IPv6 address      |                         |
| sport                        | Unsigned Integer                                                        | 0-65535                    |                                 | source port              |                         |
| dest_v4                      | IP V4 Address                                                           | {destination_IPv4_address} |                                 | destination IPv4 address |                         |
| dest_v6                      | IP V6 Address                                                           | {destination_IPv6_address} |                                 | destination IPv6 address |                         |
| dport                        | Unsigned Integer                                                        | 0-65535                    |                                 | destination port         |                         |
| log-ssl-warn                 | 486706518616440839                                                      | Both Local and Remote      | SSL Warning Log                 | warning                  | slb.template.client-ssl |
| CEF                          |                                                                         |                            |                                 |                          |                         |
| Format                       | cs1=\$message:%s: cs1Label=message                                      |                            |                                 |                          |                         |
| Example                      | cs1=SSL Warning Log cs1Label=message                                    |                            |                                 |                          |                         |
| SYSLOG                       |                                                                         |                            |                                 |                          |                         |
| Format                       | \$message:%s:                                                           |                            |                                 |                          |                         |
| Example                      | SSL Warning Log                                                         |                            |                                 |                          |                         |
| Variable                     | Type                                                                    | Value                      |                                 | Description              |                         |
| message                      | String                                                                  | SSL Warning Log            |                                 | Message                  |                         |
| log-ssl-warn-CertError       | 486706518616440840                                                      | Both Local and Remote      | SSL Certificate Error           | warning                  | slb.template.client-ssl |
| CEF                          |                                                                         |                            |                                 |                          |                         |
| Format                       | cs1=\$ip:%s: cs1Label=ip cs2=\$cert_error:%s: cs2Label=cert_error       |                            |                                 |                          |                         |
| Example                      | cs1=1.1.1.1 cs1Label=ip cs2=SSL Certificate Error cs2Label=cert_error   |                            |                                 |                          |                         |
| SYSLOG                       |                                                                         |                            |                                 |                          |                         |
| Format                       | Detect a certification error of server (\$ip:%s:):\$cert_error:%s:.     |                            |                                 |                          |                         |
| Example                      | Detect a certification error of server (1.1.1.1):SSL Certificate Error. |                            |                                 |                          |                         |
| Variable                     | Type                                                                    | Value                      |                                 | Description              |                         |
| ip                           | String                                                                  | {IP}                       |                                 | IP                       |                         |
| cert_error                   | String                                                                  | SSL Certificate Error      |                                 | Cert Error               |                         |
| log-ssl-warn-ClassListFailed | 486706518616440852                                                      | Both Local and Remote      | Failed to Load Multi-Class-list | warning                  | slb.template.client-ssl |

|                               |                    |                                                                                        |                            |             |                         |
|-------------------------------|--------------------|----------------------------------------------------------------------------------------|----------------------------|-------------|-------------------------|
|                               |                    |                                                                                        |                            |             |                         |
| CEF                           |                    |                                                                                        |                            |             |                         |
| Format                        |                    | cs1=\$msg:%s: cs1Label=message cs2=\$clist:%s: cs2Label=class_list_name                |                            |             |                         |
| Example                       |                    | cs1=Failed to load multi-class-list cs1Label=message cs2=test cs2Label=class_list_name |                            |             |                         |
| SYSLOG                        |                    |                                                                                        |                            |             |                         |
| Format                        |                    | Failed to load multi-class-list \$clist:%s:                                            |                            |             |                         |
| Example                       |                    | Failed to load multi-class-list test                                                   |                            |             |                         |
| Variable                      | Type               | Value                                                                                  |                            | Description |                         |
| clist                         | String             | {Class-List}                                                                           |                            | Class-List  |                         |
| msg                           | String             | Failed to load multi-class-list                                                        |                            | Message     |                         |
| log-ssl-warn-QueueDepth       | 486706518616440847 | Both Local and Remote                                                                  | SSL Queue Depth            | warning     | slb.template.client-ssl |
| CEF                           |                    |                                                                                        |                            |             |                         |
| Format                        |                    | cs1=\$message:%s: cs1Label=message cs2=\$value:%u: cs2Label=value                      |                            |             |                         |
| Example                       |                    | cs1=SSL Queue Depth cs1Label=message cs2=1 cs2Label=value                              |                            |             |                         |
| SYSLOG                        |                    |                                                                                        |                            |             |                         |
| Format                        |                    | \$message:%s: (\$value:%u:)                                                            |                            |             |                         |
| Example                       |                    | SSL Queue Depth (1)                                                                    |                            |             |                         |
| Variable                      | Type               | Value                                                                                  |                            | Description |                         |
| message                       | String             | SSL Queue Depth                                                                        |                            | Message     |                         |
| value                         | Unsigned Integer   | {Value}                                                                                |                            | Value       |                         |
| log-ssl-warn-RequestTimeoutV4 | 486706518616440854 | Both Local and Remote                                                                  | IPV4 Request was Timed-out | warning     | slb.template.client-ssl |
| CEF                           |                    |                                                                                        |                            |             |                         |
| Format                        |                    | cs1=\$ip:%s: cs1Label=ip cs2=\$port:%u: cs2Label=port cs3=\$msg:%s: cs3Label=message   |                            |             |                         |
| Example                       |                    | cs1=1.1.1.1 cs1Label=ip cs2=443 cs2Label=port cs3=Request Time-Out cs3Label=message    |                            |             |                         |
| SYSLOG                        |                    |                                                                                        |                            |             |                         |
| Format                        |                    | \$ip:%s: port \$port:%u: Request Time-out                                              |                            |             |                         |

| Example                       |                    | 1.1.1.1 port 443 Request Time-out                                                                        |                        |             |                         |
|-------------------------------|--------------------|----------------------------------------------------------------------------------------------------------|------------------------|-------------|-------------------------|
| Variable                      | Type               | Value                                                                                                    |                        | Description |                         |
| ip                            | IP V4 Address      | {IPV4}                                                                                                   |                        | IPV4        |                         |
| port                          | Unsigned Integer   | {Port}                                                                                                   |                        | Port        |                         |
| msg                           | String             | Request Time-Out                                                                                         |                        | Message     |                         |
| log-ssl-warn-RequestTimeoutV6 | 486706518616440855 | Both Local and Remote                                                                                    | IPV6 Request Timed-out | warning     | slb.template.client-ssl |
| CEF                           |                    |                                                                                                          |                        |             |                         |
| Format                        |                    | cs1=\$ip:%s: cs1Label=ip cs2=\$port:%u: cs2Label=port cs3=\$msg:%s: cs3Label=message                     |                        |             |                         |
| Example                       |                    | cs1=2001:DB8:85A3::8A2E:370:7334 cs1Label=ip cs2=443 cs2Label=port cs3=Request Time-Out cs3Label=message |                        |             |                         |
| SYSLOG                        |                    |                                                                                                          |                        |             |                         |
| Format                        |                    | \$ip:%s: port \$port:%u: Request Time-out                                                                |                        |             |                         |
| Example                       |                    | 2001:DB8:85A3::8A2E:370:7334 port 443 Request Time-out                                                   |                        |             |                         |
| Variable                      | Type               | Value                                                                                                    |                        | Description |                         |
| ip                            | IP V6 Address      | {IPV6}                                                                                                   |                        | IPV6        |                         |
| port                          | Unsigned Integer   | {Port}                                                                                                   |                        | Port        |                         |
| msg                           | String             | Request Time-Out                                                                                         |                        | Message     |                         |
| log-ssl-warn-SVMFailed        | 486706518616440856 | Both Local and Remote                                                                                    | SSL SVM Failed         | warning     | slb.template.client-ssl |
| CEF                           |                    |                                                                                                          |                        |             |                         |
| Format                        |                    | cs1=\$msg:%s: cs1Label=message cs2=\$proto:%s: cs2Label=protocol                                         |                        |             |                         |
| Example                       |                    | cs1=SSL SVM Failed cs1Label=message cs2=tcp cs2Label=protocol                                            |                        |             |                         |
| SYSLOG                        |                    |                                                                                                          |                        |             |                         |
| Format                        |                    | \$msg:%s:, protocol is \$proto:%s:                                                                       |                        |             |                         |
| Example                       |                    | SSL SVM Failed, protocol is tcp                                                                          |                        |             |                         |
| Variable                      | Type               | Value                                                                                                    |                        | Description |                         |
| msg                           | String             | SSL SVM Failed                                                                                           |                        | Message     |                         |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|-------------------------|
| proto                | String                                                                                                                                                                                                                                                                                                                                                                                                             | tcp<br>udp                                                                                                                                                                                                                                                                                                   | Protocol                |             |                         |
| log-ssl-warn-failure | 486706518616440853                                                                                                                                                                                                                                                                                                                                                                                                 | Both Local and Remote                                                                                                                                                                                                                                                                                        | SSL Failure Warning     | warning     | slb.template.client-ssl |
| CEF                  |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| Format               | cs1=\$msg:%s: cs1Label=message cs2=\$reason:%s: cs2Label=reason cs3=\$url:%s: cs3Label=url                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| Example              | cs1=OCSP Failure cs1Label=message cs2=Nop cs2Label=reason cs3=www.google.com cs3Label=url                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| SYSLOG               |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| Format               | \$msg:%s: \$reason:%s: [\$url:%s:]                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| Example              | OCSP Failure Nop [www.google.com]                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| Variable             | Type                                                                                                                                                                                                                                                                                                                                                                                                               | Value                                                                                                                                                                                                                                                                                                        |                         | Description |                         |
| msg                  | String                                                                                                                                                                                                                                                                                                                                                                                                             | OCSP Failure<br>CRL Failure                                                                                                                                                                                                                                                                                  |                         | Message     |                         |
| reason               | String                                                                                                                                                                                                                                                                                                                                                                                                             | Nop<br>TCP data event<br>DNS resolved<br>TCP fin event<br>TCP error<br>TCP timeout<br>UDP timeout<br>DNS timeout<br>Connection reset<br>Connection deleted<br>Create connection failed<br>Port not found<br>IP not found<br>DNS server fail<br>Cannot obtain NAT address<br>Invalid session<br>Unknown error |                         | Reason      |                         |
| url                  | String                                                                                                                                                                                                                                                                                                                                                                                                             | {URI}                                                                                                                                                                                                                                                                                                        |                         | URI         |                         |
| ssli-bypass          | 486706518616440834                                                                                                                                                                                                                                                                                                                                                                                                 | Both Local and Remote                                                                                                                                                                                                                                                                                        | SSL Inspection Bypassed | information | slb.template.client-ssl |
| CEF                  |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |                         |             |                         |
| Format               | src=\$src:%s: dst=\$dst:%s: spt=\$spt:%u: dpt=\$dpt:%u: act=\$act:%s: dhost=\$dhost:%s: cs1=\$cs1:%s: cs1Label=VIP name cs2=\$cs2:%s: cs2Label=VIP protocol cs3=\$cs3:%s: cs3Label=SSL version cs4=\$cs4:%s: cs4Label=Cipher suite cs5=\$cs5:%s: cs5Label=Web Category cs6=\$cs6:%s: cs6Label=Certificate Validity status cs7=\$cs7:%s: cs7Label=Web Reputation Score cs8=\$cs8:%s: cs8Label=Matched IP class-list |                                                                                                                                                                                                                                                                                                              |                         |             |                         |

| cs9=\$cs9:%s: cs9Label=IP bypass type cn1=\$cn1:%u: cn1Label=VIP port cn2=\$cn2:%u: cn2Label=Log ID suser=\$suser:%s: reason=\$reason:%s:                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                        |                       |                      |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|-----------------------|----------------------|-------------------------|
| Example<br>src=1.1.1.1 dst=5.5.5.5 spt=0 dpt=0 act=bypassed dhost=www.google.com cs1=vip_1 cs1Label=VIP name cs2=http cs2Label=VIP protocol<br>cs3=TLS1.3 cs3Label=SSL version cs4=TLS1_DHE_RSA_AES_256_SHA cs4Label=Cipher suite cs5=sports cs5Label=Web Category<br>cs6=expired cs6Label=Certificate Validity status cs7=trustworthy(81) cs7Label=Web Reputation Score cs8=clist1 cs8Label=Matched IP class-list<br>cs9=server-ip cs9Label=IP bypass type cn1=0 cn1Label=VIP port cn2=1 cn2Label=Log ID suser=ada123 reason=Pinned certificate |                    |                        |                       |                      |                         |
| Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Type               | Value                  |                       | Description          |                         |
| src                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Source_IP}            |                       | Source IP            |                         |
| dst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Destination_IP}       |                       | Destination IP       |                         |
| spt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unsigned Integer   | 0-65535                |                       | Source Port          |                         |
| dpt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unsigned Integer   | 0-65535                |                       | Destination Port     |                         |
| act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | bypassed               |                       | Action               |                         |
| dhost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | String             | {Destination_Host}     |                       | Destination Host     |                         |
| cs1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Virtual_Server}       |                       | Virtual Server       |                         |
| cs2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | http                   |                       | Virtual Port Type    |                         |
| cs3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Version}              |                       | Version              |                         |
| cs4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Cipher_Name}          |                       | Cipher Name          |                         |
| cs5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Web_Category}         |                       | Web Category         |                         |
| cs6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Cert_Validity_Status} |                       | Cert Validity Status |                         |
| cs7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Reputation_Score}     |                       | Reputation Score     |                         |
| cs8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {Class_list_Name}      |                       | Class list Name      |                         |
| cs9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | String             | {IP_bypass_type}       |                       | IP bypass type       |                         |
| cn1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unsigned Integer   | 0-65535                |                       | Virtual Port         |                         |
| cn2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unsigned Integer   | {Log}                  |                       | Log                  |                         |
| suser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | String             | {username}             |                       | username             |                         |
| reason                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | String             | {Reason}               |                       | Reason               |                         |
| ssli-fail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 486706518616440835 | Both Local and Remote  | SSL Inspection Failed | error                | slb.template.client-ssl |
| CEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                        |                       |                      |                         |

| Format   | src=\$src:%s: dst=\$dst:%s: spt=\$spt:%u: dpt=\$dpt:%u: act=\$act:%s: dhost=\$dhost:%s: cs1=\$cs1:%s: cs1Label=VIP name cs2=\$cs2:%s: cs2Label=VIP protocol cs3=\$cs3:%s: cs3Label=SSL version cs4=\$cs4:%s: cs4Label=Cipher suite cs5=\$cs5:%s: cs5Label=Web Category cs6=\$cs6:%s: cs6Label=Certificate Validity status cs7=\$cs7:%s: cs7Label=Error type cs8=\$cs8:%s: cs8Label=Reason for internal error cs9=\$cs9:%s: cs9Label=Web Reputation Score cn1=\$cn1:%u: cn1Label=VIP port cn2=\$cn2:%u: cn2Label=Log ID cn3=\$cn3:%u: cn3Label=Reason for SSL fatal alert suser=\$suser:%s: cs10=\$subject_dn:%s: cs10Label=subject_dn cs11=\$serial_num:%s: cs11Label=serial_num |                           |                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|
| Example  | src=1.1.1.1 dst=5.5.5.5 spt=0 dpt=0 act=failed dhost=www.google.com cs1=vip_1 cs1Label=VIP name cs2=http cs2Label=VIP protocol cs3=TLS1.3 cs3Label=SSL version cs4=TLS1_DHE_RSA_AES_256_SHA cs4Label=Cipher suite cs5=sports cs5Label=Web Category cs6=expired cs6Label=Certificate Validity status cs7=Warning cs7Label=Error type cs8=Reason for internal Error cs8Label=Reason for internal error cs9=trustworthy(81) cs9Label=Web Reputation Score cn1=0 cn1Label=VIP port cn2=1 cn2Label=Log ID cn3=0 cn3Label=Reason for SSL fatal alert suser=ada123 cs10=google.com cs10Label=subject_dn cs11=0ed5d5591f09c5d605000000087bc0b cs11Label=serial_num                       |                           |                      |
| Variable | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Value                     | Description          |
| src      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Source_IP}               | Source IP            |
| dst      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Destination_IP}          | Destination IP       |
| spt      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0-65535                   | Source Port          |
| dpt      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0-65535                   | Destination Port     |
| act      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | failed                    | Action               |
| dhost    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Destination_Host}        | Destination Host     |
| cs1      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Virtual_Server}          | Virtual Server       |
| cs2      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | http                      | Virtual Port Type    |
| cs3      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Version}                 | Version              |
| cs4      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Cipher_Name}             | Cipher Name          |
| cs5      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Web_Category}            | Web Category         |
| cs6      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Cert_Validity_Status}    | Cert Validity Status |
| cs7      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {log}                     | log                  |
| cs8      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Reason for internal Error | message              |
| cs9      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Reputation_Score}        | Reputation Score     |
| cn1      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0-65535                   | Virtual Port         |
| cn2      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {Log}                     | Log                  |
| cn3      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0-20                      | message              |
| suser    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {username}                | username             |



| subject_dn         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Subject_Distinguished_Name} |                      | Subject Distinguished Name |                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|----------------------------|-------------------------|
| serial_num         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Serial_Number}              |                      | Serial Number              |                         |
| ssli-session-start | 486706518616440836                                                                                                                                                                                                                                                                                                                                                                                                                                    | Both Local and Remote        | SSL Inspection Start | information                | slb.template.client-ssl |
| CEF                |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                      |                            |                         |
| Format             | src=\$src:%s: dst=\$dst:%s: spt=\$spt:%u: dpt=\$dpt:%u: act=\$act:%s: dhost=\$dhost:%s: cs1=\$cs1:%s: cs1Label=VIP name cs2=\$cs2:%s: cs2Label=VIP protocol cs3=\$cs3:%s: cs3Label=SSL version cs4=\$cs4:%s: cs4Label=Cipher suite cs5=\$cs5:%s: cs5Label=Web Category cs6=\$cs6:%s: cs6Label=Certificate Validity status cs7=\$cs7:%s: cs7Label=Web Reputation Score cn1=\$cn1:%u: cn1Label=VIP port cn2=\$cn2:%u: cn2Label=Log ID suser=\$suser:%s: |                              |                      |                            |                         |
| Example            | src=1.1.1.1 dst=5.5.5.5 spt=0 dpt=0 act=inspected dhost=www.google.com cs1=vip1 cs1Label=VIP name cs2=http cs2Label=VIP protocol cs3=TLS1.3 cs3Label=SSL version cs4=TLS1_DHE_RSA_AES_256_SHA cs4Label=Cipher suite cs5=sports cs5Label=Web Category cs6=expired cs6Label=Certificate Validity status cs7=trustworthy(81) cs7Label=Web Reputation Score cn1=0 cn1Label=VIP port cn2=1 cn2Label=Log ID suser=ada123                                    |                              |                      |                            |                         |
| Variable           | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Value                        |                      | Description                |                         |
| src                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Source_IP}                  |                      | Source IP                  |                         |
| dst                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Destination_IP}             |                      | Destination IP             |                         |
| spt                | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0-65535                      |                      | Source Port                |                         |
| dpt                | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0-65535                      |                      | Destination Port           |                         |
| act                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | inspected                    |                      | Action                     |                         |
| dhost              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Destination_Host}           |                      | Destination Host           |                         |
| cs1                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Virtual_Server}             |                      | Virtual Server             |                         |
| cs2                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | http                         |                      | Virtual Port Type          |                         |
| cs3                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Version}                    |                      | Version                    |                         |
| cs4                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Cipher_Name}                |                      | Cipher Name                |                         |
| cs5                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Web_Category}               |                      | Web Category               |                         |
| cs6                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Cert_Validity_Status}       |                      | Cert Validity Status       |                         |
| cs7                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Reputation_Score}           |                      | Reputation Score           |                         |
| cn1                | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0-65535                      |                      | Virtual Port               |                         |
| cn2                | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                      | {log}                        |                      | log                        |                         |
| suser              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                | {username}                   |                      | username                   |                         |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                           |                                 |                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------|---------------------------------|-------------------------|
| ssli-sni-cert-match-fail | 486706518616440858                                                                                                                                                                                                                                                                                                                                                                                    | Both Local and Remote             | SNI and cert not matched  | warning                         | slb.template.client-ssl |
| CEF                      |                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                           |                                 |                         |
| Format                   | dhost=\$sni:%s: act=\$act:%s: suser=\$suser:%s: src=\$src_v4:%s: c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$sport:%u: dst=\$dest_v4:%s: c6a3=\$dest_v6:%s: c6a3Label=Desitnation IPv6 Address dpt=\$dport:%u:                                                                                                                                                                              |                                   |                           |                                 |                         |
| Example                  | dhost=www.google.com act=inspected suser=ada123 src=1.1.1.1 c6a2=1111::1111 c6a2Label=Source IPv6 Address spt=0 dst=2.2.2.2 c6a3=2222::2222 c6a3Label=Desitnation IPv6 Address dpt=0                                                                                                                                                                                                                  |                                   |                           |                                 |                         |
| SYSLOG                   |                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                           |                                 |                         |
| Format                   | [SSLi SNI cert matching failed] sni \$sni:%s: act \$act:%s: user \$suser:%s: src \$src:%s: dest \$dest:%s:                                                                                                                                                                                                                                                                                            |                                   |                           |                                 |                         |
| Example                  | [SSLi SNI cert matching failed] sni www.google.com act inspected user ada123 src 1.1.1.1:1 dest 2.2.2.2:2                                                                                                                                                                                                                                                                                             |                                   |                           |                                 |                         |
| Variable                 | Type                                                                                                                                                                                                                                                                                                                                                                                                  | Value                             |                           | Description                     |                         |
| sni                      | String                                                                                                                                                                                                                                                                                                                                                                                                | {SNI}                             |                           | SNI                             |                         |
| act                      | String                                                                                                                                                                                                                                                                                                                                                                                                | inspected<br>dropped              |                           | Action                          |                         |
| suser                    | String                                                                                                                                                                                                                                                                                                                                                                                                | {username}                        |                           | username                        |                         |
| src_v4                   | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                         | {Source_IPv4_address}             |                           | Source IPv4 address             |                         |
| src_v6                   | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                         | {Source_IPv6_address}             |                           | Source IPv6 address             |                         |
| sport                    | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                      | 0-65535                           |                           | Source port                     |                         |
| dest_v4                  | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                         | {Destination_IPv4_address}        |                           | Destination IPv4 address        |                         |
| dest_v6                  | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                         | {Destination_IPv6_address}        |                           | Destination IPv6 address        |                         |
| dport                    | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                      | 0-65535                           |                           | Destination port                |                         |
| user                     | String                                                                                                                                                                                                                                                                                                                                                                                                | {username}                        |                           | username                        |                         |
| src                      | String                                                                                                                                                                                                                                                                                                                                                                                                | {Source_IP_address_and_port}      |                           | Source IP address and port      |                         |
| dest                     | String                                                                                                                                                                                                                                                                                                                                                                                                | {Destination_IP_address_and_port} |                           | Destination IP address and port |                         |
| ssli-success             | 486706518616440833                                                                                                                                                                                                                                                                                                                                                                                    | Both Local and Remote             | SSL Inspection Successful | information                     | slb.template.client-ssl |
| CEF                      |                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                           |                                 |                         |
| Format                   | src=\$src:%s: dst=\$dst:%s: spt=\$spt:%u: dpt=\$dpt:%u: act=\$act:%s: dhost=\$dhost:%s: cs1=\$cs1:%s: cs1Label=VIP name cs2=\$cs2:%s: cs2Label=VIP protocol cs3=\$cs3:%s: cs3Label=SSL version cs4=\$cs4:%s: cs4Label=Cipher suite cs5=\$cs5:%s: cs5Label=Web Category cs6=\$cs6:%s: cs6Label=Certificate Validity status cs7=\$cs7:%s: cs7Label=Web Reputation Score cn1=\$cn1:%u: cn1Label=VIP port |                                   |                           |                                 |                         |

| Example  | cn2=\$cn2:%u: cn2Label=FWD Packets cn3=\$cn3:%u: cn3Label=REV Packets cn4=\$cn4:%u: cn4Label=Duration seconds cn5=\$cn5:%u: cn5Label=Log ID cn6=\$cn6:%u: cn6Label=FWD Bytes Transferred cn7=\$cn7:%u: cn7Label=REV Bytes Transferred suser=\$suser:%s:                                                                                                                                                                                                                                                                                                                                            |                            |                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|
|          | src=1.1.1.1 dst=5.5.5.5 spt=0 dpt=0 act=inspected dhost=www.google.com cs1=vip_1 cs1Label=VIP name cs2=http cs2Label=VIP protocol cs3=TLS1.3 cs3Label=SSL version cs4=TLS1_DHE_RSA_AES_256_SHA cs4Label=Cipher suite cs5=shopping cs5Label=Web Category cs6=expired cs6Label=Certificate Validity status cs7=trustworthy(81) cs7Label=Web Reputation Score cn1=0 cn1Label=VIP port cn2=1000 cn2Label=FWD Packets cn3=1000 cn3Label=REV Packets cn4=10 cn4Label=Duration seconds cn5=1 cn5Label=Log ID cn6=1024 cn6Label=FWD Bytes Transferred cn7=1024 cn7Label=REV Bytes Transferred suser=ada123 |                            |                          |
| Variable | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Value                      | Description              |
| src      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Source_IP}                | Source IP                |
| dst      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Destination_IP}           | Destination IP           |
| spt      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0-65535                    | Source Port              |
| dpt      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0-65535                    | Destination Port         |
| act      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | inspected                  | Action                   |
| dhost    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Destination_Host}         | Destination Host         |
| cs1      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Virtual_Server}           | Virtual Server           |
| cs2      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | http                       | Virtual Port Type        |
| cs3      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Version}                  | Version                  |
| cs4      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Cipher_Name}              | Cipher Name              |
| cs5      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Web_Category}             | Web Category             |
| cs6      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Cert_Validity_Status}     | Cert Validity Status     |
| cs7      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Reputation_Score}         | Reputation Score         |
| cn1      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0-65535                    | Virtual Port Number      |
| cn2      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Forward_Packet_Count}     | Forward Packet Count     |
| cn3      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Reverse_Packet_Count}     | Reverse Packet Count     |
| cn4      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Duration}                 | Duration                 |
| cn5      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Log}                      | Log                      |
| cn6      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Forward_Byte_Transferred} | Forward Byte Transferred |
| cn7      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Reverse_Byte_Transferred} | Reverse Byte Transferred |
| suser    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {username}                 | username                 |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |                                                            |             |                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------|-------------------------------|
| port-termination                 | 486707068372254721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Both Local and Remote                                      | Real port empty when terminating persistent TCP connection | warning     | slb.template.connection-reuse |
| CEF                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |                                                            |             |                               |
| Format                           | cs1=\$warn:%s: cs1Label=Empty real port in termination                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |                                                            |             |                               |
| Example                          | cs1=Real port empty when terminating persistent TCP connection cs1Label=Empty real port in termination                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |                                                            |             |                               |
| SYSLOG                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |                                                            |             |                               |
| Format                           | \$warn:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                            |                                                            |             |                               |
| Example                          | Real port empty when terminating persistent TCP connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                            |                                                            |             |                               |
| Variable                         | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Value                                                      |                                                            | Description |                               |
| warn                             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Real port empty when terminating persistent TCP connection |                                                            | reason      |                               |
| fqdn_label_count_filter_drop_log | 486707618128068613                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Remote only                                                | Log DNS Query Drop for FQDN label count Filter             | information | slb.template.dns              |
| CEF                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |                                                            |             |                               |
| Format                           | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$nsCnt:%d: cn4Label=Authority Record Count cn5=\$arCnt:%d: cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr_type:%s: cs4Label=Query Type cs5=\$qr_class:%s: cs5Label=Query Class reason=\$reason:%s: |                                                            |                                                            |             |                               |
| Example                          | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class reason=FQDN label count Filter Drop                                                                                                          |                                                            |                                                            |             |                               |
| SYSLOG                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |                                                            |             |                               |
| Format                           | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCnt=\$nsCnt:%d: ARCnt=\$arCnt:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s: \$reason:%s:                                                                                                                                                                                                                               |                                                            |                                                            |             |                               |
| Example                          | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCnt=0 ANCnt=0 NSCnt=0 ARCnt=0 dhost=server.example.com QueryType=A QueryClass=IN FQDN label count Filter Drop                                                                                                                                                                                                                                                                                                                                        |                                                            |                                                            |             |                               |
| Variable                         | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Value                                                      |                                                            | Description |                               |
| proto                            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tcp<br>udp                                                 |                                                            | Protocol    |                               |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                |                              |                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------|------------------------------|------------------|
| src                                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Source_IP}                    |                                                | Source IP                    |                  |
| spt                                 | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1-65535                        |                                                | Source Port                  |                  |
| dst                                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Destination_IP}               |                                                | Destination IP               |                  |
| dpt                                 | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1-65535                        |                                                | Destination Port             |                  |
| type                                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | query                          |                                                | Type of DNS message          |                  |
| queryid                             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | {Query_id}                     |                                                | Query id                     |                  |
| opcode                              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QUERY                          |                                                | Opcode                       |                  |
| header_flag                         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Header}                       |                                                | Header                       |                  |
| qdcount                             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | {Question_Count}               |                                                | Question Count               |                  |
| ancount                             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | {Answer_Record_Count}          |                                                | Answer Record Count          |                  |
| NSCount                             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | {Authority_Record_Count}       |                                                | Authority Record Count       |                  |
| arcount                             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | {Additional_Record_Count}      |                                                | Additional Record Count      |                  |
| dhost                               | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Hostname}                     |                                                | Hostname                     |                  |
| qr_type                             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Query_Type}                   |                                                | Query Type                   |                  |
| qr_class                            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {Query_Class}                  |                                                | Query Class                  |                  |
| reason                              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | {FQDN_label_count_Filter_Drop} |                                                | FQDN label count Filter Drop |                  |
| nscount                             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | {Authority_Record_Count}       |                                                | Authority Record Count       |                  |
| fqdn_label_count_filter_drop_log_v6 | 486707618128068614                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Remote only                    | Log DNS Query Drop for FQDN label count Filter | information                  | slb.template.dns |
| CEF                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                |                              |                  |
| Format                              | proto=\$proto:%s: c6a2=\$src:%s: c6a2Label=Source IPv6 Address spt=\$spt:%d: c6a3=\$dst:%s: c6a3Label=Destination IPv6 Address<br>dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s:<br>cs3Label=Header Flag cn2=\$qdcount:%d: cn2Label=Question Count cn3=\$ancount:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d:<br>cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr_type:%s: cs4Label=Query<br>Type cs5=\$qr_class:%s: cs5Label=Query Class reason=\$reason:%s: |                                |                                                |                              |                  |
| Example                             | proto=tcp c6a2=2001:ABCD::7 c6a2Label=Source IPv6 Address spt=1 c6a3=2001:ABCD::7 c6a3Label=Destination IPv6 Address dpt=1<br>cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0<br>cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record<br>Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class reason=FQDN label count Filter Drop                                                                                                           |                                |                                                |                              |                  |
| SYSLOG                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                |                              |                  |

| Format                                                                                                                                      | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCount=\$qdcnt:%d: ANCount=\$ancnt:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s: \$reason:%s: |                                |                                                 |                              |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------|------------------------------|------------------|
| Example                                                                                                                                     | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN FQDN label count Filter Drop                                                                                                    |                                |                                                 |                              |                  |
| Variable                                                                                                                                    | Type                                                                                                                                                                                                                                                                                                            | Value                          |                                                 | Description                  |                  |
| proto                                                                                                                                       | String                                                                                                                                                                                                                                                                                                          | tcp<br>udp                     |                                                 | Protocol                     |                  |
| src                                                                                                                                         | IP V6 Address                                                                                                                                                                                                                                                                                                   | {Source_IPv6}                  |                                                 | Source IPv6                  |                  |
| spt                                                                                                                                         | Integer                                                                                                                                                                                                                                                                                                         | 1-65535                        |                                                 | Source Port                  |                  |
| dst                                                                                                                                         | IP V6 Address                                                                                                                                                                                                                                                                                                   | {Destination_IPv6}             |                                                 | Destination IPv6             |                  |
| dpt                                                                                                                                         | Integer                                                                                                                                                                                                                                                                                                         | 1-65535                        |                                                 | Destination Port             |                  |
| type                                                                                                                                        | String                                                                                                                                                                                                                                                                                                          | query                          |                                                 | Type of DNS message          |                  |
| queryid                                                                                                                                     | Integer                                                                                                                                                                                                                                                                                                         | {Query_id}                     |                                                 | Query id                     |                  |
| opcode                                                                                                                                      | String                                                                                                                                                                                                                                                                                                          | QUERY                          |                                                 | Opcode                       |                  |
| header_flag                                                                                                                                 | String                                                                                                                                                                                                                                                                                                          | {Header}                       |                                                 | Header                       |                  |
| qdcnt                                                                                                                                       | Integer                                                                                                                                                                                                                                                                                                         | {Question_Count}               |                                                 | Question Count               |                  |
| ancnt                                                                                                                                       | Integer                                                                                                                                                                                                                                                                                                         | {Answer_Record_Count}          |                                                 | Answer Record Count          |                  |
| NSCount                                                                                                                                     | Integer                                                                                                                                                                                                                                                                                                         | {Authority_Record_Count}       |                                                 | Authority Record Count       |                  |
| arcount                                                                                                                                     | Integer                                                                                                                                                                                                                                                                                                         | {Additional_Record_Count}      |                                                 | Additional Record Count      |                  |
| dhost                                                                                                                                       | String                                                                                                                                                                                                                                                                                                          | {Hostname}                     |                                                 | Hostname                     |                  |
| qr_type                                                                                                                                     | String                                                                                                                                                                                                                                                                                                          | {Query_Type}                   |                                                 | Query Type                   |                  |
| qr_class                                                                                                                                    | String                                                                                                                                                                                                                                                                                                          | {Query_Class}                  |                                                 | Query Class                  |                  |
| reason                                                                                                                                      | String                                                                                                                                                                                                                                                                                                          | {FQDN_label_count_Filter_Drop} |                                                 | FQDN label count Filter Drop |                  |
| nscount                                                                                                                                     | Integer                                                                                                                                                                                                                                                                                                         | {Authority_Record_Count}       |                                                 | Authority Record Count       |                  |
| fqdn_length_filter_drop_log                                                                                                                 | 486707618128068611                                                                                                                                                                                                                                                                                              | Remote only                    | Log DNS Query Drop for FQDN label length Filter | information                  | slb.template.dns |
| CEF                                                                                                                                         |                                                                                                                                                                                                                                                                                                                 |                                |                                                 |                              |                  |
| proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID |                                                                                                                                                                                                                                                                                                                 |                                |                                                 |                              |                  |

| Format      | cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count<br>cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d:<br>cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr_type:%s: cs4Label=Query Type cs5=\$qr_class:%s: cs5Label=Query Class<br>reason=\$reason:%s:                                 |                           |                         |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|
| Example     | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD<br>cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0<br>cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class reason=FQDN label<br>length Filter Drop |                           |                         |
| SYSLOG      |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                         |
| Format      | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s:<br>QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCnt=\$nscount:%d: ARCnt=\$arcount:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s:<br>QueryClass=\$qr_class:%s: \$reason:%s:                                                                                                                      |                           |                         |
| Example     | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCnt=0 ANCnt=0 NSCnt=0 ARCnt=0<br>dhost=server.example.com QueryType=A QueryClass=IN FQDN label length Filter Drop                                                                                                                                                                                                                                     |                           |                         |
| Variable    | Type                                                                                                                                                                                                                                                                                                                                                                                                                               | Value                     | Description             |
| proto       | String                                                                                                                                                                                                                                                                                                                                                                                                                             | tcp<br>udp                | Protocol                |
| src         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                      | {Source_IP}               | Source IP               |
| spt         | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | 1-65535                   | Source Port             |
| dst         | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                      | {Destination_IP}          | Destination IP          |
| dpt         | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | 1-65535                   | Destination Port        |
| type        | String                                                                                                                                                                                                                                                                                                                                                                                                                             | query                     | Type of DNS message     |
| queryid     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | {Query_id}                | Query id                |
| opcode      | String                                                                                                                                                                                                                                                                                                                                                                                                                             | QUERY                     | Opcode                  |
| header_flag | String                                                                                                                                                                                                                                                                                                                                                                                                                             | {Header}                  | Header                  |
| qdcnt       | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | {Question_Count}          | Question Count          |
| ancnt       | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | {Answer_Record_Count}     | Answer Record Count     |
| NSCount     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | {Authority_Record_Count}  | Authority Record Count  |
| arcount     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                            | {Additional_Record_Count} | Additional Record Count |
| dhost       | String                                                                                                                                                                                                                                                                                                                                                                                                                             | {Hostname}                | Hostname                |
| qr_type     | String                                                                                                                                                                                                                                                                                                                                                                                                                             | {Query_Type}              | Query Type              |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                 |                               |                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------|-------------------------------|------------------|
| qr_class                       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Query_Class}                   |                                                 | Query Class                   |                  |
| reason                         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {FQDN_label_length_Filter_Drop} |                                                 | FQDN label length Filter Drop |                  |
| nscount                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {Authority_Record_Count}        |                                                 | Authority Record Count        |                  |
| fqdn_length_filter_drop_log_v6 | 486707618128068612                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Remote only                     | Log DNS Query Drop for FQDN label length Filter | information                   | slb.template.dns |
| CEF                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                 |                               |                  |
| Format                         | proto=\$proto:%s: c6a2=\$src:%s: c6a2Label=Source IPv6 Address spt=\$spt:%d: c6a3=\$dst:%s: c6a3Label=Destination IPv6 Address dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcount:%d: cn2Label=Question Count cn3=\$ancount:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr_type:%s: cs4Label=Query Type cs5=\$qr_class:%s: cs5Label=Query Class reason=\$reason:%s: |                                 |                                                 |                               |                  |
| Example                        | proto=tcp c6a2=2001:ABCD::7 c6a2Label=Source IPv6 Address spt=1 c6a3=2001:ABCD::7 c6a3Label=Destination IPv6 Address dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class reason=FQDN label length Filter Drop                                                                                                       |                                 |                                                 |                               |                  |
| SYSLOG                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                 |                               |                  |
| Format                         | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCount=\$qdcount:%d: ANCount=\$ancount:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s: \$reason:%s:                                                                                                                                                                                                                                                                                          |                                 |                                                 |                               |                  |
| Example                        | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN FQDN label length Filter Drop                                                                                                                                                                                                                                                                                                                                                                                                |                                 |                                                 |                               |                  |
| Variable                       | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Value                           |                                                 | Description                   |                  |
| proto                          | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tcp<br>udp                      |                                                 | Protocol                      |                  |
| src                            | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Source_IPv6}                   |                                                 | Source IPv6                   |                  |
| spt                            | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1-65535                         |                                                 | Source Port                   |                  |
| dst                            | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Destination_IPv6}              |                                                 | Destination IPv6              |                  |
| dpt                            | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1-65535                         |                                                 | Destination Port              |                  |
| type                           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | query                           |                                                 | Type of DNS message           |                  |
| queryid                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {Query_id}                      |                                                 | Query id                      |                  |
| opcode                         | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QUERY                           |                                                 | Opcode                        |                  |
| header_flag                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | {Header}                        |                                                 | Header                        |                  |



|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                   |                               |                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|-------------------------------|------------------|
| qdcoun              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Question_Count}                |                                   | Question Count                |                  |
| ancoun              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Answer_Record_Count}           |                                   | Answer Record Count           |                  |
| NSCount             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Authority_Record_Count}        |                                   | Authority Record Count        |                  |
| arcount             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Additional_Record_Count}       |                                   | Additional Record Count       |                  |
| dhost               | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {Hostname}                      |                                   | Hostname                      |                  |
| qr_type             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {Query_Type}                    |                                   | Query Type                    |                  |
| qr_class            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {Query_Class}                   |                                   | Query Class                   |                  |
| reason              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {FQDN_label_length_Filter_Drop} |                                   | FQDN label length Filter Drop |                  |
| nscount             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Authority_Record_Count}        |                                   | Authority Record Count        |                  |
| tld_filter_drop_log | 486707618128068609                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Remote only                     | Log DNS Query Drop for TLD Filter | information                   | slb.template.dns |
| CEF                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                   |                               |                  |
| Format              | proto=\$proto:%s src=\$src:%s spt=\$spt:%d dst=\$dst:%s dpt=\$dpt:%d cs1=\$type:%s cs1Label=Query cn1=\$queryid:%d cn1Label=Query ID cs2=\$opcode:%s cs2Label=Opcode cs3=\$header_flag:%s cs3Label=Header Flag cn2=\$qdcoun:%d cn2Label=Question Count cn3=\$ancoun:%d cn3Label=Answer Record Count cn4=\$NSCount:%d cn4Label=Authority Record Count cn5=\$arcount:%d cn5Label=Additional Record Count dhost=\$dhost:%s cs4=\$qr_type:%s cs4Label=Query Type cs5=\$qr_class:%s cs5Label=Query Class reason=\$reason:%s |                                 |                                   |                               |                  |
| Example             | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class reason=TLD Filter Drop                                                                                                            |                                 |                                   |                               |                  |
| SYSLOG              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                   |                               |                  |
| Format              | \$proto:%s \$src:%s \$spt:%d \$dst:%s \$dpt:%d Type=\$type:%s QueryId=\$queryid:%d Opcode=\$opcode:%s HeaderFlag=\$header_flag:%s QDCount=\$qdcoun:%d ANCount=\$ancoun:%d NSCount=\$nscount:%d ARCount=\$arcount:%d dhost=\$dhost:%s QueryType=\$qr_type:%s QueryClass=\$qr_class:%s \$reason:%s                                                                                                                                                                                                                       |                                 |                                   |                               |                  |
| Example             | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN TLD Filter Drop                                                                                                                                                                                                                                                                                                                                  |                                 |                                   |                               |                  |
| Variable            | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Value                           |                                   | Description                   |                  |
| proto               | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | tcp<br>udp                      |                                   | Protocol                      |                  |
| src                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Source_IP}                     |                                   | Source IP                     |                  |
| spt                 | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1-65535                         |                                   | Source Port                   |                  |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                                   |                         |                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------|-------------------------|------------------|
| dst                    | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {Destination_IP}          |                                   | Destination IP          |                  |
| dpt                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1-65535                   |                                   | Destination Port        |                  |
| type                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | query                     |                                   | Type of DNS message     |                  |
| queryid                | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Query_id}                |                                   | Query id                |                  |
| opcode                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUERY                     |                                   | Opcode                  |                  |
| header_flag            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Header}                  |                                   | Header                  |                  |
| qdcnt                  | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Question_Count}          |                                   | Question Count          |                  |
| ancnt                  | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Answer_Record_Count}     |                                   | Answer Record Count     |                  |
| NSCount                | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Authority_Record_Count}  |                                   | Authority Record Count  |                  |
| arcnt                  | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Additional_Record_Count} |                                   | Additional Record Count |                  |
| dhost                  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Hostname}                |                                   | Hostname                |                  |
| qr_type                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Query_Type}              |                                   | Query Type              |                  |
| qr_class               | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {Query_Class}             |                                   | Query Class             |                  |
| reason                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {TLD_Filter_Drop}         |                                   | TLD Filter Drop         |                  |
| nscount                | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Authority_Record_Count}  |                                   | Authority Record Count  |                  |
| tld_filter_drop_log_v6 | 486707618128068610                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Remote only               | Log DNS Query Drop for TLD Filter | information             | slb.template.dns |
| CEF                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                                   |                         |                  |
| Format                 | proto=\$proto:%s: c6a2=\$src:%s: c6a2Label=Source IPv6 Address spt=\$spt:%d: c6a3=\$dst:%s: c6a3Label=Destination IPv6 Address<br>dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s:<br>cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d:<br>cn4Label=Authority Record Count cn5=\$arcnt:%d: cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr_type:%s: cs4Label=Query<br>Type cs5=\$qr_class:%s: cs5Label=Query Class reason=\$reason:%s: |                           |                                   |                         |                  |
| Example                | proto=tcp c6a2=2001:ABCD::7 c6a2Label=Source IPv6 Address spt=1 c6a3=2001:ABCD::7 c6a3Label=Destination IPv6 Address dpt=1<br>cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0<br>cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record<br>Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class reason=TLD Filter Drop                                                                                                                  |                           |                                   |                         |                  |
| SYSLOG                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                                   |                         |                  |
| Format                 | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s:<br>QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCount=\$nscount:%d: ARCnt=\$arcnt:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s:<br>QueryClass=\$qr_class:%s: \$reason:%s:                                                                                                                                                                                                                                                                                                      |                           |                                   |                         |                  |

| Example            |                                                                                                                                                                                                                                                                                                                                                                                                                 | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN TLD Filter Drop |                         |                         |                          |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|--------------------------|
| Variable           | Type                                                                                                                                                                                                                                                                                                                                                                                                            | Value                                                                                                                                                                                           |                         | Description             |                          |
| proto              | String                                                                                                                                                                                                                                                                                                                                                                                                          | tcp<br>udp                                                                                                                                                                                      |                         | Protocol                |                          |
| src                | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                   | {Source_IPv6}                                                                                                                                                                                   |                         | Source IPv6             |                          |
| spt                | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | 1-65535                                                                                                                                                                                         |                         | Source Port             |                          |
| dst                | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                   | {Destination_IPv6}                                                                                                                                                                              |                         | Destination IPv6        |                          |
| dpt                | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | 1-65535                                                                                                                                                                                         |                         | Destination Port        |                          |
| type               | String                                                                                                                                                                                                                                                                                                                                                                                                          | query                                                                                                                                                                                           |                         | Type of DNS message     |                          |
| queryid            | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | {Query_id}                                                                                                                                                                                      |                         | Query id                |                          |
| opcode             | String                                                                                                                                                                                                                                                                                                                                                                                                          | QUERY                                                                                                                                                                                           |                         | Opcode                  |                          |
| header_flag        | String                                                                                                                                                                                                                                                                                                                                                                                                          | {Header}                                                                                                                                                                                        |                         | Header                  |                          |
| qdcnt              | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | {Question_Count}                                                                                                                                                                                |                         | Question Count          |                          |
| ancnt              | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | {Answer_Record_Count}                                                                                                                                                                           |                         | Answer Record Count     |                          |
| NSCount            | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | {Authority_Record_Count}                                                                                                                                                                        |                         | Authority Record Count  |                          |
| arcnt              | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | {Additional_Record_Count}                                                                                                                                                                       |                         | Additional Record Count |                          |
| dhost              | String                                                                                                                                                                                                                                                                                                                                                                                                          | {Hostname}                                                                                                                                                                                      |                         | Hostname                |                          |
| qr_type            | String                                                                                                                                                                                                                                                                                                                                                                                                          | {Query_Type}                                                                                                                                                                                    |                         | Query Type              |                          |
| qr_class           | String                                                                                                                                                                                                                                                                                                                                                                                                          | {Query_Class}                                                                                                                                                                                   |                         | Query Class             |                          |
| reason             | String                                                                                                                                                                                                                                                                                                                                                                                                          | {TLD_Filter_Drop}                                                                                                                                                                               |                         | TLD Filter Drop         |                          |
| nscount            | Integer                                                                                                                                                                                                                                                                                                                                                                                                         | {Authority_Record_Count}                                                                                                                                                                        |                         | Authority Record Count  |                          |
| request_header_log | 486715314709463041                                                                                                                                                                                                                                                                                                                                                                                              | Remote only                                                                                                                                                                                     | DNS logging for traffic | information             | slb.template.dns-logging |
| CEF                |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                 |                         |                         |                          |
| Format             | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcnt:%d: cn5Label=Additional Record Count |                                                                                                                                                                                                 |                         |                         |                          |
|                    | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                 |                         |                         |                          |

| Example               |                    | cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0<br>cn5Label=Additional Record Count                                                                                                                                                                                                                                                    |                         |                         |                          |  |
|-----------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|--------------------------|--|
| SYSLOG                |                    |                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |                         |                          |  |
| Format                |                    | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCount=\$qdcnt:%d: ANCount=\$ancnt:%d: NSCount=\$nscnt:%d: ARCount=\$arcnt:%d:                                                                                                                                                                                               |                         |                         |                          |  |
| Example               |                    | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0                                                                                                                                                                                                                                                                                                       |                         |                         |                          |  |
| Variable              | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                    |                         | Description             |                          |  |
| proto                 | String             | tcp<br>udp                                                                                                                                                                                                                                                                                                                                                                                                               |                         | Protocol                |                          |  |
| src                   | IP V4 Address      | {Source_IP}                                                                                                                                                                                                                                                                                                                                                                                                              |                         | Source IP               |                          |  |
| spt                   | Integer            | 1-65535                                                                                                                                                                                                                                                                                                                                                                                                                  |                         | Source Port             |                          |  |
| dst                   | IP V4 Address      | {Destination_IP}                                                                                                                                                                                                                                                                                                                                                                                                         |                         | Destination IP          |                          |  |
| dpt                   | Integer            | 1-65535                                                                                                                                                                                                                                                                                                                                                                                                                  |                         | Destination Port        |                          |  |
| type                  | String             | query                                                                                                                                                                                                                                                                                                                                                                                                                    |                         | Type of DNS message     |                          |  |
| queryid               | Integer            | {Query_id}                                                                                                                                                                                                                                                                                                                                                                                                               |                         | Query id                |                          |  |
| opcode                | String             | QUERY                                                                                                                                                                                                                                                                                                                                                                                                                    |                         | Opcode                  |                          |  |
| header_flag           | String             | {Header}                                                                                                                                                                                                                                                                                                                                                                                                                 |                         | Header                  |                          |  |
| qdcnt                 | Integer            | {Question_Count}                                                                                                                                                                                                                                                                                                                                                                                                         |                         | Question Count          |                          |  |
| ancnt                 | Integer            | {Answer_Record_Count}                                                                                                                                                                                                                                                                                                                                                                                                    |                         | Answer Record Count     |                          |  |
| NSCount               | Integer            | {Authority_Record_Count}                                                                                                                                                                                                                                                                                                                                                                                                 |                         | Authority Record Count  |                          |  |
| arcnt                 | Integer            | {Additional_Record_Count}                                                                                                                                                                                                                                                                                                                                                                                                |                         | Additional Record Count |                          |  |
| nscnt                 | Integer            | {Authority_Record_Count}                                                                                                                                                                                                                                                                                                                                                                                                 |                         | Authority Record Count  |                          |  |
| request_header_log_v6 | 486715314709463048 | Remote only                                                                                                                                                                                                                                                                                                                                                                                                              | DNS logging for traffic | information             | slb.template.dns-logging |  |
| CEF                   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |                         |                          |  |
| Format                |                    | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID<br>cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count<br>cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcnt:%d:<br>cn5Label=Additional Record Count |                         |                         |                          |  |
| Example               |                    | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY<br>cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0                                                                                                                                                                              |                         |                         |                          |  |

cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count

## SYSLOG

Format \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header\_flag:%s: QDCount=\$qdcnt:%d: ANCount=\$ancnt:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d:

Example tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0

| Variable    | Type          | Value                     | Description             |
|-------------|---------------|---------------------------|-------------------------|
| proto       | String        | tcp<br>udp                | Protocol                |
| src         | IP V6 Address | {Source_IP}               | Source IP               |
| spt         | Integer       | 1-65535                   | Source Port             |
| dst         | IP V6 Address | {Destination_IP}          | Destination IP          |
| dpt         | Integer       | 1-65535                   | Destination Port        |
| type        | String        | query                     | Type of DNS message     |
| queryid     | Integer       | {Query_id}                | Query id                |
| opcode      | String        | QUERY                     | Opcode                  |
| header_flag | String        | {Header}                  | Header                  |
| qdcnt       | Integer       | {Question_Count}          | Question Count          |
| ancnt       | Integer       | {Answer_Record_Count}     | Answer Record Count     |
| NSCount     | Integer       | {Authority_Record_Count}  | Authority Record Count  |
| arcount     | Integer       | {Additional_Record_Count} | Additional Record Count |
| nscount     | Integer       | {Authority_Record_Count}  | Authority Record Count  |

|                             |                    |             |                                      |             |                          |
|-----------------------------|--------------------|-------------|--------------------------------------|-------------|--------------------------|
| request_header_question_log | 486715314709463043 | Remote only | Log DNS Request Header and Questions | information | slb.template.dns-logging |
|-----------------------------|--------------------|-------------|--------------------------------------|-------------|--------------------------|

## CEF

Format proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header\_flag:%s: cs3Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr\_type:%s: cs4Label=Query Type cs5=\$qr\_class:%s: cs5Label=Query Class

proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD

| Example                        |                    | cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0<br>cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class                                                 |                                      |                         |                          |
|--------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------|--------------------------|
| SYSLOG                         |                    |                                                                                                                                                                                                                                                                                                      |                                      |                         |                          |
| Format                         |                    | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s:<br>QDCount=\$qdcnt:%d: ANCount=\$ancnt:%d: NSCount=\$nscnt:%d: ARCount=\$arcnt:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s:<br>QueryClass=\$qr_class:%s: |                                      |                         |                          |
| Example                        |                    | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0<br>dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                             |                                      |                         |                          |
| Variable                       | Type               | Value                                                                                                                                                                                                                                                                                                |                                      | Description             |                          |
| proto                          | String             | tcp<br>udp                                                                                                                                                                                                                                                                                           |                                      | Protocol                |                          |
| src                            | IP V4 Address      | {Source_IP}                                                                                                                                                                                                                                                                                          |                                      | Source IP               |                          |
| spt                            | Integer            | 1-65535                                                                                                                                                                                                                                                                                              |                                      | Source Port             |                          |
| dst                            | IP V4 Address      | {Destination_IP}                                                                                                                                                                                                                                                                                     |                                      | Destination IP          |                          |
| dpt                            | Integer            | 1-65535                                                                                                                                                                                                                                                                                              |                                      | Destination Port        |                          |
| type                           | String             | query                                                                                                                                                                                                                                                                                                |                                      | Type of DNS message     |                          |
| queryid                        | Integer            | {Query_id}                                                                                                                                                                                                                                                                                           |                                      | Query id                |                          |
| opcode                         | String             | QUERY                                                                                                                                                                                                                                                                                                |                                      | Opcode                  |                          |
| header_flag                    | String             | {Header}                                                                                                                                                                                                                                                                                             |                                      | Header                  |                          |
| qdcnt                          | Integer            | {Question_Count}                                                                                                                                                                                                                                                                                     |                                      | Question Count          |                          |
| ancnt                          | Integer            | {Answer_Record_Count}                                                                                                                                                                                                                                                                                |                                      | Answer Record Count     |                          |
| NSCount                        | Integer            | {Authority_Record_Count}                                                                                                                                                                                                                                                                             |                                      | Authority Record Count  |                          |
| arcnt                          | Integer            | {Additional_Record_Count}                                                                                                                                                                                                                                                                            |                                      | Additional Record Count |                          |
| dhost                          | String             | {Hostname}                                                                                                                                                                                                                                                                                           |                                      | Hostname                |                          |
| qr_type                        | String             | {Query_Type}                                                                                                                                                                                                                                                                                         |                                      | Query Type              |                          |
| qr_class                       | String             | {Query_Class}                                                                                                                                                                                                                                                                                        |                                      | Query Class             |                          |
| nscnt                          | Integer            | {Authority_Record_Count}                                                                                                                                                                                                                                                                             |                                      | Authority Record Count  |                          |
| request_header_question_log_v6 | 486715314709463050 | Remote only                                                                                                                                                                                                                                                                                          | Log DNS Request Header and Questions | information             | slb.template.dns-logging |
|                                |                    |                                                                                                                                                                                                                                                                                                      |                                      |                         |                          |

| CEF         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|
| Format      | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID cs2=\$opcode:%s: cs2Label=Opcode cs3=\$header_flag:%s: cs3Label=Header Flag cn2=\$qdcount:%d: cn2Label=Question Count cn3=\$ancount:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count dhost=\$dhost:%s: cs4=\$qr_type:%s: cs4Label=Query Type cs5=\$qr_class:%s: cs5Label=Query Class |                           |                         |
| Example     | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID cs2=QUERY cs2Label=Opcode cs3=RD cs3Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count dhost=server.example.com cs4=A cs4Label=Query Type cs5=IN cs5Label=Query Class                                                                                                                        |                           |                         |
| SYSLOG      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                         |
| Format      | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCount=\$qdcount:%d: ANCount=\$ancount:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s:                                                                                                                                                                                                                |                           |                         |
| Example     | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                                                                                                                                                                                                                       |                           |                         |
| Variable    | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Value                     | Description             |
| proto       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tcp<br>udp                | Protocol                |
| src         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | {Source_IP}               | Source IP               |
| spt         | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1-65535                   | Source Port             |
| dst         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | {Destination_IP}          | Destination IP          |
| dpt         | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1-65535                   | Destination Port        |
| type        | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | query                     | Type of DNS message     |
| queryid     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Query_id}                | Query id                |
| opcode      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | QUERY                     | Opcode                  |
| header_flag | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Header}                  | Header                  |
| qdcount     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Question_Count}          | Question Count          |
| ancount     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Answer_Record_Count}     | Answer Record Count     |
| NSCount     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Authority_Record_Count}  | Authority Record Count  |
| arcount     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Additional_Record_Count} | Additional Record Count |
| dhost       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Hostname}                | Hostname                |

|                         |                                                                                                                                                                                                                                             |                          |                          |                        |                          |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|------------------------|--------------------------|
| qr_type                 | String                                                                                                                                                                                                                                      | {Query_Type}             |                          | Query Type             |                          |
| qr_class                | String                                                                                                                                                                                                                                      | {Query_Class}            |                          | Query Class            |                          |
| nscount                 | Integer                                                                                                                                                                                                                                     | {Authority_Record_Count} |                          | Authority Record Count |                          |
| request_question_log    | 486715314709463042                                                                                                                                                                                                                          | Remote only              | Log DNS Request Question | information            | slb.template.dns-logging |
| CEF                     |                                                                                                                                                                                                                                             |                          |                          |                        |                          |
| Format                  | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID dhost=\$dhost:%s: cs2=\$qr_type:%s: cs2Label=Query Type cs3=\$qr_class:%s: cs3Label=Query Class |                          |                          |                        |                          |
| Example                 | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID dhost=server.example.com cs2=A cs2Label=Query Type cs3=IN cs3Label=Query Class                                                            |                          |                          |                        |                          |
| SYSLOG                  |                                                                                                                                                                                                                                             |                          |                          |                        |                          |
| Format                  | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s:                                                                               |                          |                          |                        |                          |
| Example                 | tcp 1.2.3.4 1 4.5.6.7 1 Type=query QueryId=1345 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                          |                          |                          |                        |                          |
| Variable                | Type                                                                                                                                                                                                                                        | Value                    |                          | Description            |                          |
| proto                   | String                                                                                                                                                                                                                                      | tcp<br>udp               |                          | Protocol               |                          |
| src                     | IP V4 Address                                                                                                                                                                                                                               | {Source_IP}              |                          | Source IP              |                          |
| spt                     | Integer                                                                                                                                                                                                                                     | 1-65535                  |                          | Source Port            |                          |
| dst                     | IP V4 Address                                                                                                                                                                                                                               | {Destination_IP}         |                          | Destination IP         |                          |
| dpt                     | Integer                                                                                                                                                                                                                                     | 1-65535                  |                          | Destination Port       |                          |
| type                    | String                                                                                                                                                                                                                                      | query                    |                          | Type of DNS message    |                          |
| queryid                 | Integer                                                                                                                                                                                                                                     | {Query_id}               |                          | Query id               |                          |
| dhost                   | String                                                                                                                                                                                                                                      | {Hostname}               |                          | Hostname               |                          |
| qr_type                 | String                                                                                                                                                                                                                                      | {Query_Type}             |                          | Query Type             |                          |
| qr_class                | String                                                                                                                                                                                                                                      | {Query_Class}            |                          | Query Class            |                          |
| request_question_log_v6 | 486715314709463049                                                                                                                                                                                                                          | Remote only              | Log DNS Request Question | information            | slb.template.dns-logging |
| CEF                     |                                                                                                                                                                                                                                             |                          |                          |                        |                          |
| Format                  | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Query cn1=\$queryid:%d: cn1Label=Query ID dhost=\$dhost:%s: cs2=\$qr_type:%s: cs2Label=Query Type cs3=\$qr_class:%s: cs3Label=Query Class |                          |                          |                        |                          |



| Example           |                    | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=query cs1Label=Query cn1=1345 cn1Label=Query ID dhost=server.example.com cs2=A cs2Label=Query Type cs3=IN cs3Label=Query Class                                                                                                                                                                                                                                                                                                                              |                                         |                     |                          |
|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|--------------------------|
| SYSLOG            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                     |                          |
| Format            |                    | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: QueryId=\$queryid:%d: dhost=\$dhost:%s: QueryType=\$qr_type:%s: QueryClass=\$qr_class:%s:                                                                                                                                                                                                                                                                                                                                                           |                                         |                     |                          |
| Example           |                    | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=query QueryId=1345 dhost=server.example.com QueryType=A QueryClass=IN                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |                     |                          |
| Variable          | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         | Description         |                          |
| proto             | String             | tcp<br>udp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | Protocol            |                          |
| src               | IP V6 Address      | {Source_IP}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         | Source IP           |                          |
| spt               | Integer            | 1-65535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         | Source Port         |                          |
| dst               | IP V6 Address      | {Destination_IP}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         | Destination IP      |                          |
| dpt               | Integer            | 1-65535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         | Destination Port    |                          |
| type              | String             | query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         | Type of DNS message |                          |
| queryid           | Integer            | {Query_id}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | Query id            |                          |
| dhost             | String             | {Hostname}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | Hostname            |                          |
| qr_type           | String             | {Query_Type}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         | Query Type          |                          |
| qr_class          | String             | {Query_Class}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         | Query Class         |                          |
| response_both_log | 486715314709463045 | Remote only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Log ipv4 DNS Response Header and Answer | information         | slb.template.dns-logging |
| CEF               |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                     |                          |
| Format            |                    | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s: cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count cs5=\$response_content:%s: cs5Label=response content |                                         |                     |                          |
| Example           |                    | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count cs5=answer section [google.com 1 1 84 172.217.27.142;] addition sectio [] cs5Label=response content                                                                    |                                         |                     |                          |
| SYSLOG            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                     |                          |
|                   |                    | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s:                                                                                                                                                                                                                                                                                                                                                                                   |                                         |                     |                          |

| Format           | HeaderFlag=\$header_flag:%s: QDCount=\$qdcount:%d: ANCount=\$ancount:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d: response=\$ans_type1:%s:                                                                       |                                                           |                         |  |  |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|--|--|
| Example          | tcp 1.2.3.4 1 4.5.6.7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 response=answer section [google.com 1 1 84 172.217.27.142;] addition sectio [] |                                                           |                         |  |  |
| Variable         | Type                                                                                                                                                                                                                | Value                                                     | Description             |  |  |
| proto            | String                                                                                                                                                                                                              | tcp<br>udp                                                | Protocol                |  |  |
| src              | IP V4 Address                                                                                                                                                                                                       | {Source_IP}                                               | Source IP               |  |  |
| spt              | Integer                                                                                                                                                                                                             | 1-65535                                                   | Source Port             |  |  |
| dst              | IP V4 Address                                                                                                                                                                                                       | {Destination_IP}                                          | Destination IP          |  |  |
| dpt              | Integer                                                                                                                                                                                                             | 1-65535                                                   | Destination Port        |  |  |
| type             | String                                                                                                                                                                                                              | response<br>query                                         | Type of DNS message     |  |  |
| datasource       | String                                                                                                                                                                                                              | backend<br>gslb<br>cache<br>rpz                           | Source of DNS response  |  |  |
| queryid          | Integer                                                                                                                                                                                                             | {Query_id}                                                | Query id                |  |  |
| opcode           | String                                                                                                                                                                                                              | QUERY<br>IQUERY<br>STATUS<br>Reserved<br>NOTIFY<br>UPDATE | Opcode                  |  |  |
| header_flag      | String                                                                                                                                                                                                              | {Header}                                                  | Header                  |  |  |
| qdcount          | Integer                                                                                                                                                                                                             | {Question_Count}                                          | Question Count          |  |  |
| ancount          | Integer                                                                                                                                                                                                             | {Answer_Record_Count}                                     | Answer Record Count     |  |  |
| NSCount          | Integer                                                                                                                                                                                                             | {Authority_Record_Count}                                  | Authority Record Count  |  |  |
| arcount          | Integer                                                                                                                                                                                                             | {Additional_Record_Count}                                 | Additional Record Count |  |  |
| response_content | String                                                                                                                                                                                                              | {response_content}                                        | response content        |  |  |
| nscount          | Integer                                                                                                                                                                                                             | {Authority_Record_Count}                                  | Authority Record Count  |  |  |
| ans_type1        | String                                                                                                                                                                                                              | {response_content_type}                                   | response content type   |  |  |
|                  |                                                                                                                                                                                                                     |                                                           |                         |  |  |

| response_both_log_rcode | 486715314709463052                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Remote only                           | Log ipv4 DNS Response Header and Answer with Rcode | information            | slb.template.dns-logging |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|------------------------|--------------------------|
| CEF                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                                                    |                        |                          |
| Format                  | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s: cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header Flag cs5=\$rcode:%s: cs5Label=RCODE cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcnt:%d: cn5Label=Additional Record Count cs6=\$response_content:%s: cs6Label=response content |                                       |                                                    |                        |                          |
| Example                 | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cs5=00 cs5Label=RCODE cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count cs6=answer section [google.com 1 1 84 172.217.27.142;] addition sectio [] cs6Label=response content                                                                           |                                       |                                                    |                        |                          |
| SYSLOG                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                                                    |                        |                          |
| Format                  | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: RCODE=\$rcode:%s: QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCount=\$nscount:%d: ARCnt=\$arcnt:%d: response=\$ans_type1:%s:                                                                                                                                                                                                                                                            |                                       |                                                    |                        |                          |
| Example                 | tcp 1.2.3.4 1 4.5.6.7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD RCODE=00 QDCnt=0 ANCnt=0 NSCount=0 ARCnt=0 response=answer section [google.com 1 1 84 172.217.27.142;] addition sectio []                                                                                                                                                                                                                                                                                                                               |                                       |                                                    |                        |                          |
| Variable                | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Value                                 |                                                    | Description            |                          |
| proto                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | tcp<br>udp                            |                                                    | Protocol               |                          |
| src                     | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {Source_IP}                           |                                                    | Source IP              |                          |
| spt                     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1-65535                               |                                                    | Source Port            |                          |
| dst                     | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | {Destination_IP}                      |                                                    | Destination IP         |                          |
| dpt                     | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1-65535                               |                                                    | Destination Port       |                          |
| type                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | response<br>query                     |                                                    | Type of DNS message    |                          |
| datasource              | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | backend<br>gslb<br>cache<br>rpz       |                                                    | Source of DNS response |                          |
| queryid                 | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | {Query_id}                            |                                                    | Query id               |                          |
| opcode                  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QUERY<br>IQUERY<br>STATUS<br>Reserved |                                                    | Opcode                 |                          |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                         |                         |                          |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|-------------------------|--------------------------|
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NOTIFY<br>UPDATE          |                                         |                         |                          |
| header_flag          | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {Header}                  |                                         | Header                  |                          |
| rcode                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {RCODE}                   |                                         | RCODE                   |                          |
| qdcount              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | {Question_Count}          |                                         | Question Count          |                          |
| ancount              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | {Answer_Record_Count}     |                                         | Answer Record Count     |                          |
| NSCount              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | {Authority_Record_Count}  |                                         | Authority Record Count  |                          |
| arcount              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | {Additional_Record_Count} |                                         | Additional Record Count |                          |
| response_content     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {response_content}        |                                         | response content        |                          |
| nscount              | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | {Authority_Record_Count}  |                                         | Authority Record Count  |                          |
| ans_type1            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {response_content_type}   |                                         | response content type   |                          |
| response_both_log_v6 | 486715314709463047                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Remote only               | Log ipv6 DNS Response Header and Answer | information             | slb.template.dns-logging |
| CEF                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                         |                         |                          |
| Format               | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s: cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header Flag cn2=\$qdcount:%d: cn2Label=Question Count cn3=\$ancount:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count cs5=\$response_content:%s: cs5Label=response content |                           |                                         |                         |                          |
| Example              | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count cs5=answer section [google.com 1 1 84 172.217.27.142;] addition sectio [] cs5Label=response content                                                              |                           |                                         |                         |                          |
| SYSLOG               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                         |                         |                          |
| Format               | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCount=\$qdcount:%d: ANCount=\$ancount:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d: response=\$ans_type1:%s:                                                                                                                                                                                                                                         |                           |                                         |                         |                          |
| Example              | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0 ANCount=0 NSCount=0 ARCount=0 response=answer section [google.com 1 1 84 172.217.27.142;] addition section []                                                                                                                                                                                                                                                                                              |                           |                                         |                         |                          |
| Variable             | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Value                     |                                         | Description             |                          |
| proto                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tcp<br>udp                |                                         | Protocol                |                          |
| src                  | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Source_IP}               |                                         | Source IP               |                          |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |                                                    |             |                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|-------------|--------------------------|
| spt                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1-65535                                                   | Source Port                                        |             |                          |
| dst                        | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Destination_IP}                                          | Destination IP                                     |             |                          |
| dpt                        | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1-65535                                                   | Destination Port                                   |             |                          |
| type                       | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | response<br>query                                         | Type of DNS message                                |             |                          |
| datasource                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | backend<br>gslb<br>cache<br>rpz                           | Source of DNS response                             |             |                          |
| queryid                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Query_id}                                                | Query id                                           |             |                          |
| opcode                     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QUERY<br>IQUERY<br>STATUS<br>Reserved<br>NOTIFY<br>UPDATE | Opcode                                             |             |                          |
| header_flag                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {Header}                                                  | Header                                             |             |                          |
| qdcount                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Question_Count}                                          | Question Count                                     |             |                          |
| ancount                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Answer_Record_Count}                                     | Answer Record Count                                |             |                          |
| NSCount                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Authority_Record_Count}                                  | Authority Record Count                             |             |                          |
| arcount                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Additional_Record_Count}                                 | Additional Record Count                            |             |                          |
| response_content           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {response_content}                                        | response content                                   |             |                          |
| nscount                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Authority_Record_Count}                                  | Authority Record Count                             |             |                          |
| ans_type1                  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {response_content_type}                                   | response content type                              |             |                          |
| response_both_log_v6_rcode | 486715314709463054                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Remote only                                               | Log ipv6 DNS Response Header and Answer with Rcode | information | slb.template.dns-logging |
| CEF                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |                                                    |             |                          |
| Format                     | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s:<br>cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header<br>Flag cs5=\$rcode:%s: cs5Label=RCODE cn2=\$qdcount:%d: cn2Label=Question Count cn3=\$ancount:%d: cn3Label=Answer Record Count<br>cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count cs6=\$response_content:%s:<br>cs6Label=response content |                                                           |                                                    |             |                          |
|                            | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source<br>cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cs5=00 cs5Label=RCODE cn2=0                                                                                                                                                                                                                                                                                                                            |                                                           |                                                    |             |                          |

| Example     | cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count cs6=answer section [google.com 1 1 84 172.217.27.142;] addition sectio [] cs6Label=response content                                                         |                                                           |                        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------|
| SYSLOG      |                                                                                                                                                                                                                                                                                                     |                                                           |                        |
| Format      | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: RCODE=\$rcode:%s: QDCount=\$qdcoun:%d: ANCount=\$ancoun:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d: response=\$ans_type1:%s: |                                                           |                        |
| Example     | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD RCODE=00 QDCount=0 ANCount=0 NSCount=0 ARCount=0 response=answer section [google.com 1 1 84 172.217.27.142;] addition sectio []                                                              |                                                           |                        |
| Variable    | Type                                                                                                                                                                                                                                                                                                | Value                                                     | Description            |
| proto       | String                                                                                                                                                                                                                                                                                              | tcp<br>udp                                                | Protocol               |
| src         | IP V6 Address                                                                                                                                                                                                                                                                                       | {Source_IP}                                               | Source IP              |
| spt         | Integer                                                                                                                                                                                                                                                                                             | 1-65535                                                   | Source Port            |
| dst         | IP V6 Address                                                                                                                                                                                                                                                                                       | {Destination_IP}                                          | Destination IP         |
| dpt         | Integer                                                                                                                                                                                                                                                                                             | 1-65535                                                   | Destination Port       |
| type        | String                                                                                                                                                                                                                                                                                              | response<br>query                                         | Type of DNS message    |
| datasource  | String                                                                                                                                                                                                                                                                                              | backend<br>gslb<br>cache<br>rpz                           | Source of DNS response |
| queryid     | Integer                                                                                                                                                                                                                                                                                             | {Query_id}                                                | Query id               |
| opcode      | String                                                                                                                                                                                                                                                                                              | QUERY<br>IQUERY<br>STATUS<br>Reserved<br>NOTIFY<br>UPDATE | Opcode                 |
| header_flag | String                                                                                                                                                                                                                                                                                              | {Header}                                                  | Header                 |
| rcode       | String                                                                                                                                                                                                                                                                                              | {RCODE}                                                   | RCODE                  |
| qdcoun      | Integer                                                                                                                                                                                                                                                                                             | {Question_Count}                                          | Question Count         |
| ancoun      | Integer                                                                                                                                                                                                                                                                                             | {Answer_Record_Count}                                     | Answer Record Count    |
| NSCount     | Integer                                                                                                                                                                                                                                                                                             | {Authority_Record_Count}                                  | Authority Record Count |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                              |                         |                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|-------------------------|--------------------------|
| arcount             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Additional_Record_Count}       |                              | Additional Record Count |                          |
| response_content    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {response_content}              |                              | response content        |                          |
| nscount             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Authority_Record_Count}        |                              | Authority Record Count  |                          |
| ans_type1           | String                                                                                                                                                                                                                                                                                                                                                                                                                                                             | {response_content_type}         |                              | response content type   |                          |
| response_header_log | 486715314709463044                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Remote only                     | Log ipv4 DNS Response Header | information             | slb.template.dns-logging |
| CEF                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                              |                         |                          |
| Format              | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s: cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count |                                 |                              |                         |                          |
| Example             | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count                                                                                                                   |                                 |                              |                         |                          |
| SYSLOG              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                              |                         |                          |
| Format              | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCnt=\$nscount:%d: ARCnt=\$arcount:%d:                                                                                                                                                                                                                     |                                 |                              |                         |                          |
| Example             | tcp 1.2.3.4 1 4.5.6.7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCnt=0 ANCnt=0 NSCnt=0 ARCnt=0                                                                                                                                                                                                                                                                                                                                       |                                 |                              |                         |                          |
| Variable            | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Value                           |                              | Description             |                          |
| proto               | String                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tcp<br>udp                      |                              | Protocol                |                          |
| src                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {Source_IP}                     |                              | Source IP               |                          |
| spt                 | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1-65535                         |                              | Source Port             |                          |
| dst                 | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                      | {Destination_IP}                |                              | Destination IP          |                          |
| dpt                 | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1-65535                         |                              | Destination Port        |                          |
| type                | String                                                                                                                                                                                                                                                                                                                                                                                                                                                             | response<br>query               |                              | Type of DNS message     |                          |
| datasource          | String                                                                                                                                                                                                                                                                                                                                                                                                                                                             | backend<br>gslb<br>cache<br>rpz |                              | Source of DNS response  |                          |
| queryid             | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                            | {Query_id}                      |                              | Query id                |                          |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |                                         |                         |                          |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|-------------------------|--------------------------|
| opcode                    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | QUERY<br>IQUERY<br>STATUS<br>Reserved<br>NOTIFY<br>UPDATE |                                         | Opcode                  |                          |
| header_flag               | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | {Header}                                                  |                                         | Header                  |                          |
| qdcount                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Question_Count}                                          |                                         | Question Count          |                          |
| ancount                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Answer_Record_Count}                                     |                                         | Answer Record Count     |                          |
| NSCount                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Authority_Record_Count}                                  |                                         | Authority Record Count  |                          |
| arcount                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Additional_Record_Count}                                 |                                         | Additional Record Count |                          |
| nscount                   | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | {Authority_Record_Count}                                  |                                         | Authority Record Count  |                          |
| response_header_log_rcode | 486715314709463051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Remote only                                               | Log ipv4 DNS Response Header with Rcode | information             | slb.template.dns-logging |
| CEF                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |                                         |                         |                          |
| Format                    | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s: cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header Flag cs5=\$rcode:%s: cs5Label=RCODE cn2=\$qdcount:%d: cn2Label=Question Count cn3=\$ancount:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count |                                                           |                                         |                         |                          |
| Example                   | proto=tcp src=1.2.3.4 spt=1 dst=4.5.6.7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cs5=00 cs5Label=RCODE cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count                                                                                                                                |                                                           |                                         |                         |                          |
| SYSLOG                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |                                         |                         |                          |
| Format                    | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: RCODE=\$rcode:%s: QDCount=\$qdcount:%d: ANCount=\$ancount:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d:                                                                                                                                                                                                                          |                                                           |                                         |                         |                          |
| Example                   | tcp 1.2.3.4 1 4.5.6.7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD RCODE=00 QDCount=0 ANCount=0 NSCount=0 ARCount=0                                                                                                                                                                                                                                                                                                                                                         |                                                           |                                         |                         |                          |
| Variable                  | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Value                                                     |                                         | Description             |                          |
| proto                     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tcp<br>udp                                                |                                         | Protocol                |                          |
| src                       | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | {Source_IP}                                               |                                         | Source IP               |                          |
| spt                       | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1-65535                                                   |                                         | Source Port             |                          |
| dst                       | IP V4 Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | {Destination_IP}                                          |                                         | Destination IP          |                          |



|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |                              |                         |                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------|-------------------------|--------------------------|
| dpt                    | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1-65535                                                   |                              | Destination Port        |                          |
| type                   | String                                                                                                                                                                                                                                                                                                                                                                                                                                                           | response<br>query                                         |                              | Type of DNS message     |                          |
| datasource             | String                                                                                                                                                                                                                                                                                                                                                                                                                                                           | backend<br>gslb<br>cache<br>rpz                           |                              | Source of DNS response  |                          |
| queryid                | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Query_id}                                                |                              | Query id                |                          |
| opcode                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QUERY<br>IQUERY<br>STATUS<br>Reserved<br>NOTIFY<br>UPDATE |                              | Opcode                  |                          |
| header_flag            | String                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {Header}                                                  |                              | Header                  |                          |
| rcode                  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                           | {RCODE}                                                   |                              | RCODE                   |                          |
| qdcnt                  | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Question_Count}                                          |                              | Question Count          |                          |
| ancnt                  | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Answer_Record_Count}                                     |                              | Answer Record Count     |                          |
| NSCount                | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Authority_Record_Count}                                  |                              | Authority Record Count  |                          |
| arcnt                  | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Additional_Record_Count}                                 |                              | Additional Record Count |                          |
| nscount                | Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                          | {Authority_Record_Count}                                  |                              | Authority Record Count  |                          |
| response_header_log_v6 | 486715314709463046                                                                                                                                                                                                                                                                                                                                                                                                                                               | Remote only                                               | Log ipv6 DNS Response Header | information             | slb.template.dns-logging |
| CEF                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |                              |                         |                          |
| Format                 | proto=\$proto:%s: src=\$src:%s: spt=\$spt:%d: dst=\$dst:%s: dpt=\$dpt:%d: cs1=\$type:%s: cs1Label=Response cs2=\$datasource:%s: cs2Label=Response Source cn1=\$queryid:%d: cn1Label=Query ID cs3=\$opcode:%s: cs3Label=Opcode cs4=\$header_flag:%s: cs4Label=Header Flag cn2=\$qdcnt:%d: cn2Label=Question Count cn3=\$ancnt:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcnt:%d: cn5Label=Additional Record Count |                                                           |                              |                         |                          |
| Example                | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count                                                                                                       |                                                           |                              |                         |                          |
| SYSLOG                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |                              |                         |                          |
| Format                 | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: QDCnt=\$qdcnt:%d: ANCnt=\$ancnt:%d: NSCount=\$nscount:%d: ARCnt=\$arcnt:%d:                                                                                                                                                                                                                   |                                                           |                              |                         |                          |

```
tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD QDCount=0
ANCount=0 NSCount=0 ARCount=0
```

CEF

```
proto=$proto:%s: src=$src:%s: spt=$spt:%d: dst=$dst:%s: dpt=$dpt:%d: cs1=$type:%s: cs1Label=Response cs2=$datasource:%s:
cs2Label=Response Source cn1=$queryid:%d: cn1Label=Query ID cs3=$opcode:%s: cs3Label=Opcode cs4=$header_flag:%s: cs4Label=Header
```

| Format      | Flag cs5=\$rcode:%s: cs5Label=RCODE cn2=\$qdcoun:t:%d: cn2Label=Question Count cn3=\$sancoun:t:%d: cn3Label=Answer Record Count cn4=\$NSCount:%d: cn4Label=Authority Record Count cn5=\$arcount:%d: cn5Label=Additional Record Count                                                                                                                                             |                                                           |                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------|
| Example     | proto=tcp src=2001:ABCD::7 spt=1 dst=2001:ABCD::7 dpt=1 cs1=response cs1Label=Response cs2=backend cs2Label=Response Source cn1=1345 cn1Label=Query ID cs3=QUERY cs3Label=Opcode cs4=RD cs4Label=Header Flag cs5=00 cs5Label=RCODE cn2=0 cn2Label=Question Count cn3=0 cn3Label=Answer Record Count cn4=0 cn4Label=Authority Record Count cn5=0 cn5Label=Additional Record Count |                                                           |                        |
| SYSLOG      |                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |                        |
| Format      | \$proto:%s: \$src:%s: \$spt:%d: \$dst:%s: \$dpt:%d: Type=\$type:%s: source=\$datasource:%s: QueryId=\$queryid:%d: Opcode=\$opcode:%s: HeaderFlag=\$header_flag:%s: RCODE=\$rcode:%s: QDCount=\$qdcoun:t:%d: ANCount=\$sancoun:t:%d: NSCount=\$nscount:%d: ARCount=\$arcount:%d:                                                                                                  |                                                           |                        |
| Example     | tcp 2001:ABCD::7 1 2001:ABCD::7 1 Type=response source=backend QueryId=1345 Opcode=QUERY HeaderFlag=RD RCODE=00 QDCount=0 ANCount=0 NSCount=0 ARCount=0                                                                                                                                                                                                                          |                                                           |                        |
| Variable    | Type                                                                                                                                                                                                                                                                                                                                                                             | Value                                                     | Description            |
| proto       | String                                                                                                                                                                                                                                                                                                                                                                           | tcp<br>udp                                                | Protocol               |
| src         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                    | {Source_IP}                                               | Source IP              |
| spt         | Integer                                                                                                                                                                                                                                                                                                                                                                          | 1-65535                                                   | Source Port            |
| dst         | IP V6 Address                                                                                                                                                                                                                                                                                                                                                                    | {Destination_IP}                                          | Destination IP         |
| dpt         | Integer                                                                                                                                                                                                                                                                                                                                                                          | 1-65535                                                   | Destination Port       |
| type        | String                                                                                                                                                                                                                                                                                                                                                                           | response<br>query                                         | Type of DNS message    |
| datasource  | String                                                                                                                                                                                                                                                                                                                                                                           | backend<br>gslb<br>cache<br>rpz                           | Source of DNS response |
| queryid     | Integer                                                                                                                                                                                                                                                                                                                                                                          | {Query_id}                                                | Query id               |
| opcode      | String                                                                                                                                                                                                                                                                                                                                                                           | QUERY<br>IQUERY<br>STATUS<br>Reserved<br>NOTIFY<br>UPDATE | Opcode                 |
| header_flag | String                                                                                                                                                                                                                                                                                                                                                                           | {Header}                                                  | Header                 |
| rcode       | String                                                                                                                                                                                                                                                                                                                                                                           | {RCODE}                                                   | RCODE                  |

|              |                                     |                           |                         |                         |                                     |
|--------------|-------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------------------|
| qdcount      | Integer                             | {Question_Count}          |                         | Question Count          |                                     |
| ancount      | Integer                             | {Answer_Record_Count}     |                         | Answer Record Count     |                                     |
| NSCount      | Integer                             | {Authority_Record_Count}  |                         | Authority Record Count  |                                     |
| arcount      | Integer                             | {Additional_Record_Count} |                         | Additional Record Count |                                     |
| nscount      | Integer                             | {Authority_Record_Count}  |                         | Authority Record Count  |                                     |
| request_log  | 486715327594364929                  | Remote only               | Custom DNS request log  | information             | slb.template.dns-logging.custom-log |
| CEF          |                                     |                           |                         |                         |                                     |
| Format       | cs1=\$hint:%s: cs1Label=custom log" |                           |                         |                         |                                     |
| Example      | cs1=custom log cs1Label=custom log" |                           |                         |                         |                                     |
| SYSLOG       |                                     |                           |                         |                         |                                     |
| Format       | custom log                          |                           |                         |                         |                                     |
| Example      | custom log                          |                           |                         |                         |                                     |
| Variable     | Type                                | Value                     |                         | Description             |                                     |
| hint         | String                              | {Opcode}                  |                         | Opcode                  |                                     |
| response_log | 486715327594364930                  | Remote only               | Custom DNS response log | information             | slb.template.dns-logging.custom-log |
| CEF          |                                     |                           |                         |                         |                                     |
| Format       | cs1=\$hint:%s: cs1Label=custom log" |                           |                         |                         |                                     |
| Example      | cs1=custom log cs1Label=custom log" |                           |                         |                         |                                     |
| SYSLOG       |                                     |                           |                         |                         |                                     |
| Format       | custom log                          |                           |                         |                         |                                     |
| Example      | custom log                          |                           |                         |                         |                                     |
| Variable     | Type                                | Value                     |                         | Description             |                                     |
| hint         | String                              | {Opcode}                  |                         | Opcode                  |                                     |
| timeout_log  | 486715327594364931                  | Remote only               | Custom DNS timeout log  | information             | slb.template.dns-logging.custom-log |
| CEF          |                                     |                           |                         |                         |                                     |
| Format       | cs1=\$hint:%s: cs1Label=custom log" |                           |                         |                         |                                     |

|                 |                                                                                                                                                                                                                            |                            |                                                                                                    |                          |                                         |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------|
| Example         | cs1=custom log cs1Label=custom log"                                                                                                                                                                                        |                            |                                                                                                    |                          |                                         |
| SYSLOG          |                                                                                                                                                                                                                            |                            |                                                                                                    |                          |                                         |
| Format          | custom log                                                                                                                                                                                                                 |                            |                                                                                                    |                          |                                         |
| Example         | custom log                                                                                                                                                                                                                 |                            |                                                                                                    |                          |                                         |
| Variable        | Type                                                                                                                                                                                                                       | Value                      |                                                                                                    | Description              |                                         |
| hint            | String                                                                                                                                                                                                                     | {Opcode}                   |                                                                                                    | Opcode                   |                                         |
| exceed_rate     | 486707639602905089                                                                                                                                                                                                         | Both Local and Remote      | This source address and hostname combination has exceeded the filter-rate and will be rate-limited | warning                  | slb.template.dns.response-rate-limiting |
| CEF             |                                                                                                                                                                                                                            |                            |                                                                                                    |                          |                                         |
| Format          | src=\$src:%s: request=\$request:%s: reason=\$reason:%s: act=\$act:%s:                                                                                                                                                      |                            |                                                                                                    |                          |                                         |
| Example         | src=1.1.1.1 request=www.a10networks.com reason=Response Rate act=Allowed                                                                                                                                                   |                            |                                                                                                    |                          |                                         |
| SYSLOG          |                                                                                                                                                                                                                            |                            |                                                                                                    |                          |                                         |
| Format          | \$src:%s: \$request:%s: \$reason:%s: has exceeded rate and will be rate-limited. \$act:%s:                                                                                                                                 |                            |                                                                                                    |                          |                                         |
| Example         | 1.1.1.1 www.a10networks.com Response Rate has exceeded rate and will be rate-limited. Allowed                                                                                                                              |                            |                                                                                                    |                          |                                         |
| Variable        | Type                                                                                                                                                                                                                       | Value                      |                                                                                                    | Description              |                                         |
| src             | String                                                                                                                                                                                                                     | {IPv4,IPv6_source_address} |                                                                                                    | IPv4,IPv6 source address |                                         |
| request         | String                                                                                                                                                                                                                     | {Requested_hostname}       |                                                                                                    | Requested hostname       |                                         |
| reason          | String                                                                                                                                                                                                                     | {Rate_exceeded}            |                                                                                                    | Rate exceeded            |                                         |
| act             | String                                                                                                                                                                                                                     | {Action_taken}             |                                                                                                    | Action taken             |                                         |
| policy_executed | 486707665506926593                                                                                                                                                                                                         | Both Local and Remote      | This DNS reply hit the rule in Response Policy Zone                                                | information              | slb.template.dns.rpz.logging            |
| CEF             |                                                                                                                                                                                                                            |                            |                                                                                                    |                          |                                         |
| Format          | cs1=\$policy_zone:%s: cs1Label=RPZ cs2=\$trigger_type:%s: cs2Label=TRIGGER TYPE cs3=\$trigger_reason:%s: cs3Label=TRIGGER REASON cs4=\$action_type:%s: cs4Label=ACTION TYPE cn1=\$action_detail:%s: cn1Label=ACTION DETAIL |                            |                                                                                                    |                          |                                         |
| Example         | cs1=rpz cs1Label=RPZ cs2=type cs2Label=TRIGGER TYPE cs3=reason cs3Label=TRIGGER REASON cs4=type cs4Label=ACTION TYPE cn1=detail cn1Label=ACTION DETAIL                                                                     |                            |                                                                                                    |                          |                                         |
| SYSLOG          |                                                                                                                                                                                                                            |                            |                                                                                                    |                          |                                         |

|                      |                                                                                                                                                                                          |                       |                                 |                |                   |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|----------------|-------------------|
| Format               | Policy Zone=\$policy_zone:%s:, Trigger Type=\$trigger_type:%s:, Trigger Reason=\$trigger_reason:%s:, Action Type=\$action_type:%s:, Action Detail=\$action_detail:%s:                    |                       |                                 |                |                   |
| Example              | Policy Zone=rpz, Trigger Type=type, Trigger Reason=reason, Action Type=type, Action Detail=detail                                                                                        |                       |                                 |                |                   |
| Variable             | Type                                                                                                                                                                                     | Value                 |                                 | Description    |                   |
| policy_zone          | String                                                                                                                                                                                   | rpz                   |                                 | policy_zone    |                   |
| trigger_type         | String                                                                                                                                                                                   | type                  |                                 | trigger_type   |                   |
| trigger_reason       | String                                                                                                                                                                                   | reason                |                                 | trigger_reason |                   |
| action_type          | String                                                                                                                                                                                   | type                  |                                 | action_type    |                   |
| action_detail        | String                                                                                                                                                                                   | detail                |                                 | action_detail  |                   |
| proxy_queue_depth    | 486705693982720001                                                                                                                                                                       | Both Local and Remote | HTTP proxy queue limit exceeded | warning        | slb.template.http |
| CEF                  |                                                                                                                                                                                          |                       |                                 |                |                   |
| Format               | cn1=\$excd_cnt:%u: cn1Label=Exceeds Limit Count cn2=\$depth:%u: cn2Label=Queue Depth Size                                                                                                |                       |                                 |                |                   |
| Example              | cn1=1001 cn1Label=Exceeds Limit Count cn2=1000 cn2Label=Queue Depth Size                                                                                                                 |                       |                                 |                |                   |
| SYSLOG               |                                                                                                                                                                                          |                       |                                 |                |                   |
| Format               | conn proxy queue depth exceeds limit \$excd_cnt:%u: times, depth=\$depth:%u:                                                                                                             |                       |                                 |                |                   |
| Example              | conn proxy queue depth exceeds limit 1001 times, depth=1000                                                                                                                              |                       |                                 |                |                   |
| Variable             | Type                                                                                                                                                                                     | Value                 |                                 | Description    |                   |
| excd_cnt             | Unsigned Integer                                                                                                                                                                         | {Exceeded_limit}      |                                 | Exceeded limit |                   |
| depth                | Unsigned Integer                                                                                                                                                                         | 1000                  |                                 | Depth          |                   |
| proxy_queue_depth_v4 | 486705693982720003                                                                                                                                                                       | Both Local and Remote | HTTP proxy queue limit exceeded | warning        | slb.template.http |
| CEF                  |                                                                                                                                                                                          |                       |                                 |                |                   |
| Format               | cn1=\$excd_cnt:%u: cn1Label=Exceeds Limit Count cn2=\$depth:%u: cn2Label=Queue Depth Size cs1=\$direction:%s: cs1Label=Direction src=\$ip:%s: spt=\$port:%u: dst=\$ip:%s: dpt=\$port:%u: |                       |                                 |                |                   |
| Example              | cn1=1001 cn1Label=Exceeds Limit Count cn2=1000 cn2Label=Queue Depth Size cs1=Forward cs1Label=Direction src=1.1.1.1 spt=80 dst=1.1.1.1 dpt=80                                            |                       |                                 |                |                   |
| SYSLOG               |                                                                                                                                                                                          |                       |                                 |                |                   |
| Format               | conn proxy queue depth exceeds limit \$excd_cnt:%u: times, depth=\$depth:%u: \$direction:%s: src=\$ip:%s: port \$port:%u: dst=\$ip:%s: port                                              |                       |                                 |                |                   |

| \$sport:%u:                                                                                                         |                                                                                                                                                                                                                                                                       |                       |                                 |                |                   |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|----------------|-------------------|
| Example conn proxy queue depth exceeds limit 1001 times, depth=1000 Forward src=1.1.1.1 port 80 dst=1.1.1.1 port 80 |                                                                                                                                                                                                                                                                       |                       |                                 |                |                   |
| Variable                                                                                                            | Type                                                                                                                                                                                                                                                                  | Value                 |                                 | Description    |                   |
| excd_cnt                                                                                                            | Unsigned Integer                                                                                                                                                                                                                                                      | {Exceeded_limit}      |                                 | Exceeded limit |                   |
| depth                                                                                                               | Unsigned Integer                                                                                                                                                                                                                                                      | 1000                  |                                 | Depth          |                   |
| direction                                                                                                           | String                                                                                                                                                                                                                                                                | {Direction}           |                                 | Direction      |                   |
| ip                                                                                                                  | IP V4 Address                                                                                                                                                                                                                                                         | {ipv4_address}        |                                 | ipv4 address   |                   |
| port                                                                                                                | Unsigned Integer                                                                                                                                                                                                                                                      | {Port}                |                                 | Port           |                   |
| proxy_queue_depth_v6                                                                                                | 486705693982720004                                                                                                                                                                                                                                                    | Both Local and Remote | HTTP proxy queue limit exceeded | warning        | slb.template.http |
| CEF                                                                                                                 |                                                                                                                                                                                                                                                                       |                       |                                 |                |                   |
| Format                                                                                                              | cn1=\$excd_cnt:%u: cn1Label=Exceeds Limit Count cn2=\$depth:%u: cn2Label=Queue Depth Size cs1=\$direction:%s: cs1Label=Direction c6a2=\$src_v6:%s: c6a2Label=Source IPv6 Address spt=\$sport:%u: c6a3=\$dest_v6:%s: c6a3Label=Destination IPv6 Address dpt=\$port:%u: |                       |                                 |                |                   |
| Example                                                                                                             | cn1=1001 cn1Label=Exceeds Limit Count cn2=1000 cn2Label=Queue Depth Size cs1=Forward cs1Label=Direction c6a2=1::1 c6a2Label=Source IPv6 Address spt=80 c6a3=1::1 c6a3Label=Destination IPv6 Address dpt=80                                                            |                       |                                 |                |                   |
| SYSLOG                                                                                                              |                                                                                                                                                                                                                                                                       |                       |                                 |                |                   |
| Format                                                                                                              | conn proxy queue depth exceeds limit \$excd_cnt:%u: times, depth=\$depth:%u: \$direction:%s: src=\$ip:%s: port \$sport:%u: dst=\$ip:%s: port \$sport:%u:                                                                                                              |                       |                                 |                |                   |
| Example                                                                                                             | conn proxy queue depth exceeds limit 1001 times, depth=1000 Forward src=1::1 port 80 dst=1::1 port 80                                                                                                                                                                 |                       |                                 |                |                   |
| Variable                                                                                                            | Type                                                                                                                                                                                                                                                                  | Value                 |                                 | Description    |                   |
| excd_cnt                                                                                                            | Unsigned Integer                                                                                                                                                                                                                                                      | {Exceeded_limit}      |                                 | Exceeded limit |                   |
| depth                                                                                                               | Unsigned Integer                                                                                                                                                                                                                                                      | 1000                  |                                 | Depth          |                   |
| direction                                                                                                           | String                                                                                                                                                                                                                                                                | {Direction}           |                                 | Direction      |                   |
| src_v6                                                                                                              | IP V6 Address                                                                                                                                                                                                                                                         | {ipv6_address}        |                                 | ipv6 address   |                   |
| port                                                                                                                | Unsigned Integer                                                                                                                                                                                                                                                      | {Port}                |                                 | Port           |                   |
| dest_v6                                                                                                             | IP V6 Address                                                                                                                                                                                                                                                         | {ipv6_address}        |                                 | ipv6 address   |                   |
| ip                                                                                                                  | IP V6 Address                                                                                                                                                                                                                                                         | {ipv6_address}        |                                 | ipv6 address   |                   |
| server_ssl_context                                                                                                  | 486705693982720002                                                                                                                                                                                                                                                    | Both Local and Remote | Server SSL Context Failed       | warning        | slb.template.http |

| CEF                          |                    |                                                                                                                          |                                     |                 |                        |
|------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------|------------------------|
| Format                       |                    | cs1=\$name:%s: cs1Label=Server Name cs2=\$error:%s: cs2Label=Error Code                                                  |                                     |                 |                        |
| Example                      |                    | cs1=real_server_name cs1Label=Server Name cs2=private key passphrase error cs2Label=Error Code                           |                                     |                 |                        |
| SYSLOG                       |                    |                                                                                                                          |                                     |                 |                        |
| Format                       |                    | Server SSL context failed=\$name:%s: error=\$error:%s:                                                                   |                                     |                 |                        |
| Example                      |                    | Server SSL context failed=real_server_name error=private key passphrase error                                            |                                     |                 |                        |
| Variable                     | Type               | Value                                                                                                                    |                                     | Description     |                        |
| name                         | String             | {server_name}                                                                                                            |                                     | server name     |                        |
| error                        | String             | {error_msg}                                                                                                              |                                     | error msg       |                        |
| line_too_long                | 486708167883882497 | Both Local and Remote                                                                                                    | SLB IMAP-POP3 Request Line Too Long | warning         | slb.template.imap-pop3 |
| CEF                          |                    |                                                                                                                          |                                     |                 |                        |
| Format                       |                    | cn1=\$line_len:%u: cn1Label=Line Length cn2=\$line_len_2:%u: cn2Label=Line Length - 2 cs1=\$request:%s: cs1Label=Request |                                     |                 |                        |
| Example                      |                    | cn1=5 cn1Label=Line Length cn2=3 cn2Label=Line Length - 2 cs1=CAPA cs1Label=Request                                      |                                     |                 |                        |
| SYSLOG                       |                    |                                                                                                                          |                                     |                 |                        |
| Format                       |                    | The line is too long. \$line_len:%u: \$line_len_2:%u: \$request:%s:                                                      |                                     |                 |                        |
| Example                      |                    | The line is too long. 5 3 CAPA                                                                                           |                                     |                 |                        |
| Variable                     | Type               | Value                                                                                                                    |                                     | Description     |                        |
| line_len                     | Unsigned Integer   | {Line_Length}                                                                                                            |                                     | Line Length     |                        |
| line_len_2                   | Unsigned Integer   | {Line_Length_-_2}                                                                                                        |                                     | Line Length - 2 |                        |
| request                      | String             | {Request_Line}                                                                                                           |                                     | Request Line    |                        |
| link-cost-bandwidth-exceeded | 486716139343183873 | Both Local and Remote                                                                                                    | Link exceeded bandwidth interval    | warning         | slb.template.link-cost |
| CEF                          |                    |                                                                                                                          |                                     |                 |                        |
| Format                       |                    | cs1=\$name:%s: cs1Label=Server Name cs2=\$error:%s: cs2Label=Error Code                                                  |                                     |                 |                        |
| Example                      |                    | cs1=real_server_name cs1Label=Server Name cs2=Link has exceeded bandwidth for interval cs2Label=Error Code               |                                     |                 |                        |
| SYSLOG                       |                    |                                                                                                                          |                                     |                 |                        |



| Format   | Link Cost node exceeded bandwidth=\$name:%s: error=\$error:%s:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                 |             |                                    |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------|-------------|------------------------------------|
| Example  | Link Cost node exceeded bandwidth=real_server_name error=Link has exceeded bandwidth for interval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                                                 |             |                                    |
| Variable | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Value            |                                                 | Description |                                    |
| name     | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {server_name}    |                                                 | server name |                                    |
| error    | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {error_msg}      |                                                 | error msg   |                                    |
| http     | 486709001107537921                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Remote only      | Receive Forward Proxy HTTP request and response | information | slb.template.policy.forward-policy |
| CEF      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                 |             |                                    |
| Format   | outcome=\$outcome:%s: cs5=\$cs5:%s: cs5Label=client IP cn6=\$cn6:%u: cn6Label=client port cs7=\$cs7:%s: cs7Label=server IP cn8=\$cn8:%u: cn8Label=server port sourceTranslatedAddress=\$sourceTranslatedAddr:%s: sourceTranslatedPort=\$sourceTranslatedPort:%u: dhost=\$dhost:%s: requestMethod=\$requestMethod:%s: request=\$request:%s: cn1=\$cn1:%u: cn1Label=response code cn4=\$cn4:%u: cn4Label=bytes suser=\$suser:%s: act=\$act:%s: msg=\$msg:%s: cs1=\$cs1:%s: cs1Label=policy name cs2=\$cs2:%s: cs2Label=source rule name cn2=\$cn2:%u: cn2Label=destination rule priority cs3=\$cs3:%s: cs3Label=web-category cs4=\$cs4:%s: cs4Label=web-reputation cs9=\$cs9:%s: cs9Label=virtual-server cn9=\$cn9:%u: cn9Label=virtual-server-port requestClientApplication=\$requestClientApplication:%s: requestContext=\$requestContext:%s: app=\$app:%s: cs6=\$cs6:%s: cs6Label=sni |                  |                                                 |             |                                    |
| Example  | outcome=SUCCESS cs5=1.1.1.1 cs5Label=client IP cn6=0 cn6Label=client port cs7=2.2.2.2 cs7Label=server IP cn8=0 cn8Label=server port sourceTranslatedAddress=3.3.3.3 sourceTranslatedPort=0 dhost=www.google.com requestMethod=CLIENT HELLO request=http://www.google.com cn1=100 cn1Label=response code cn4=0 cn4Label=bytes suser=alice act=Drop-Error msg=Internal error cs1=policy cs1Label=policy name cs2=source cs2Label=source rule name cn2=1 cn2Label=destination rule priority cs3=travel cs3Label=web-category cs4=trustworthy(81) cs4Label=web-reputation cs9=vs cs9Label=virtual-server cn9=0 cn9Label=virtual-server-port requestClientApplication=Mozilla/5.0 requestContext=www.google.com app=HTTP/1.1 cs6=www.google.com cs6Label=sni                                                                                                                                |                  |                                                 |             |                                    |
| SYSLOG   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                                                 |             |                                    |
| Format   | result=\$outcome:%s:, client-ip=\$cip:%s:, client-port=\$cport:%u:, server-ip=\$sip:%s:, server-port=\$sport:%u:, snat-ip=\$snat-ip:%s:, snat-port=\$snat-port:%u:, host=\$host:%s:, request-method=\$requestMethod:%s:, request=\$request:%s:, response-code=\$respCode:%u:, bytes=\$bytes:%u:, user=\$user:%s:, action=\$act:%s:, msg=\$msg:%s:, policy=\$policy:%s:, source-rule=\$srcrule:%s:, destination-priority=\$dstrule:%u:, web-category=\$wcate:%s:, web-reputation=\$wrep:%s:, virtual-server=\$vsrvr:%s:, virtual-server-port=\$vport:%u:, user-agent=\$usrAgt:%s:, referer=\$refer:%s:, http-version=\$httpvsn:%s:, sni=\$sni:%s:                                                                                                                                                                                                                                       |                  |                                                 |             |                                    |
| Example  | result=SUCCESS, client-ip=1.1.1.1, client-port=0, server-ip=2.2.2.2, server-port=0, snat-ip=3.3.3.3, snat-port=0, host=www.google.com, request-method=CLIENT HELLO, request=http://www.google.com, response-code=100, bytes=0, user=alice, action=Drop-Error, msg=Internal error, policy=policy, source-rule=source, destination-priority=1, web-category=travel, web-reputation=trustworthy(81), virtual-server=vs, virtual-server-port=0, user-agent=Mozilla/5.0, referer=www.google.com, http-version=HTTP/1.1, sni=www.google.com                                                                                                                                                                                                                                                                                                                                                  |                  |                                                 |             |                                    |
| Variable | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Value            |                                                 | Description |                                    |
| outcome  | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SUCCESS<br>ERROR |                                                 | outcome     |                                    |
| cs5      | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {client_ip}      |                                                 | client ip   |                                    |
| cn6      | Unsigned Integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0-65535          |                                                 | client port |                                    |

|                      |                  |                                                                                                                                                                                                                                                             |                           |
|----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| cs7                  | String           | {server_ip}                                                                                                                                                                                                                                                 | server ip                 |
| cn8                  | Unsigned Integer | 0-65534                                                                                                                                                                                                                                                     | server port               |
| sourceTranslatedAddr | String           | {source_nat_ip}                                                                                                                                                                                                                                             | source nat ip             |
| sourceTranslatedPort | Unsigned Integer | 0-65534                                                                                                                                                                                                                                                     | source nat port           |
| dhost                | String           | {HTTP_request_host}                                                                                                                                                                                                                                         | HTTP request host         |
| requestMethod        | String           | CLIENT HELLO<br>GET<br>BIND<br>CONNECT<br>COPY<br>DELETE<br>HEAD<br>LABEL<br>LOCK<br>MERGE<br>MKCOL<br>MOVE<br>OPTIONS<br>PATCH<br>POST<br>PRI<br>PROPFIND<br>PROPPATCH<br>PUT<br>REBIND<br>TRACE<br>UNBIND<br>UNLINK<br>UNLOCK<br>UPDATE<br>PURGE<br>TRACK | HTTP request method       |
| request              | String           | {full_HTTP_request_url}                                                                                                                                                                                                                                     | full HTTP request url     |
| cn1                  | Unsigned Integer | 100-599                                                                                                                                                                                                                                                     | HTTP response code        |
| cn4                  | Unsigned Integer | 0-4294967295                                                                                                                                                                                                                                                | HTTP request total length |
| suser                | String           | {username}                                                                                                                                                                                                                                                  | username                  |
|                      |                  | Drop-Error<br>Drop<br>To Internet<br>To Fallback Service-group<br>To Service-group                                                                                                                                                                          |                           |

|                          |                  |                                                                                                                                                                                                                                                                                                                      |                           |
|--------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| act                      | String           | To Proxy<br>From Internet<br>From Fallback Service-group<br>From Service-group<br>From Proxy                                                                                                                                                                                                                         | forward proxy action      |
| msg                      | String           | Internal error<br>No memory<br>DNS request failed<br>SNAT failed<br>Found no forward-proxy<br>Found no forward-policy<br>Found no source rule<br>Found no destination rule<br>Found no action<br>Found no destination host<br>Found no destination port<br>Found no SNI<br>Found no SAN<br>Certificate verify failed | error message             |
| cs1                      | String           | {policy_name}                                                                                                                                                                                                                                                                                                        | policy name               |
| cs2                      | String           | {source_rule_name}                                                                                                                                                                                                                                                                                                   | source rule name          |
| cn2                      | Unsigned Integer | 1-1024                                                                                                                                                                                                                                                                                                               | destination rule priority |
| cs3                      | String           | {web-category}                                                                                                                                                                                                                                                                                                       | web-category              |
| cs4                      | String           | {web-reputation}                                                                                                                                                                                                                                                                                                     | web-reputation            |
| cs9                      | String           | {virtual-server_name}                                                                                                                                                                                                                                                                                                | virtual-server name       |
| cn9                      | Unsigned Integer | 0-65534                                                                                                                                                                                                                                                                                                              | virtual-server-port       |
| requestClientApplication | String           | {User_Agent}                                                                                                                                                                                                                                                                                                         | User Agent                |
| requestContext           | String           | {Referrer}                                                                                                                                                                                                                                                                                                           | Referrer                  |
| app                      | String           | {HTTP_version}                                                                                                                                                                                                                                                                                                       | HTTP version              |
| cs6                      | String           | {SNI}                                                                                                                                                                                                                                                                                                                | SNI                       |
| cip                      | String           | {client_ip}                                                                                                                                                                                                                                                                                                          | client ip                 |
| cport                    | Unsigned Integer | 0-65535                                                                                                                                                                                                                                                                                                              | client port               |
| sip                      | String           | {server_ip}                                                                                                                                                                                                                                                                                                          | server ip                 |
| sport                    | Unsigned Integer | 0-65534                                                                                                                                                                                                                                                                                                              | server port               |

|                      |                                                                                                                                            |                       |                                                               |                     |                   |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------|---------------------|-------------------|
| snat-ip              | String                                                                                                                                     | {source_nat_ip}       | source nat ip                                                 |                     |                   |
| snat-port            | Unsigned Integer                                                                                                                           | 0-65534               | source nat port                                               |                     |                   |
| host                 | String                                                                                                                                     | {HTTP_request_host}   | HTTP request host                                             |                     |                   |
| respCode             | Unsigned Integer                                                                                                                           | 100-599               | HTTP response code                                            |                     |                   |
| bytes                | Unsigned Integer                                                                                                                           | 0-4294967295          | HTTP request total length                                     |                     |                   |
| user                 | String                                                                                                                                     | {username}            | username                                                      |                     |                   |
| policy               | String                                                                                                                                     | {policy_name}         | policy name                                                   |                     |                   |
| srcrule              | String                                                                                                                                     | {source_rule_name}    | source rule name                                              |                     |                   |
| dstrule              | Unsigned Integer                                                                                                                           | 1-1024                | destination rule priority                                     |                     |                   |
| wcate                | String                                                                                                                                     | {web-category}        | web-category                                                  |                     |                   |
| wrep                 | String                                                                                                                                     | {web-reputation}      | web-reputation                                                |                     |                   |
| vsrvr                | String                                                                                                                                     | {virtual-server_name} | virtual-server name                                           |                     |                   |
| vport                | Unsigned Integer                                                                                                                           | 0-65534               | virtual-server-port                                           |                     |                   |
| usrAgt               | String                                                                                                                                     | {User_Agent}          | User Agent                                                    |                     |                   |
| refer                | String                                                                                                                                     | {Referrer}            | Referrer                                                      |                     |                   |
| httpvsn              | String                                                                                                                                     | {HTTP_version}        | HTTP version                                                  |                     |                   |
| sni                  | String                                                                                                                                     | {SNI}                 | SNI                                                           |                     |                   |
| no_client_conn_reuse | 486709267395510273                                                                                                                         | Both Local and Remote | no-client-conn-reuse does not work with https ssl connections | warning             | slb.template.port |
| CEF                  |                                                                                                                                            |                       |                                                               |                     |                   |
| Format               | cs1=\$vsname:%s: cs1Label=Virtual Server Name cs2=\$portno:%u: cs2Label=Virtual Port Number                                                |                       |                                                               |                     |                   |
| Example              | cs1=vs cs1Label=Virtual Server Name cs2=0 cs2Label=Virtual Port Number                                                                     |                       |                                                               |                     |                   |
| SYSLOG               |                                                                                                                                            |                       |                                                               |                     |                   |
| Format               | no-client-conn-reuse config will not take effect for HTTPs connections going through SSL intercept. vsname=\$vsname:%s: vport=\$portno:%u: |                       |                                                               |                     |                   |
| Example              | no-client-conn-reuse config will not take effect for HTTPs connections going through SSL intercept. vsname=vs vport=0                      |                       |                                                               |                     |                   |
| Variable             | Type                                                                                                                                       | Value                 |                                                               | Description         |                   |
| vsname               | String                                                                                                                                     | {Virtual_Server_Name} |                                                               | Virtual Server Name |                   |

|                |                                                                                                                                                 |                              |                                 |                            |                  |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|----------------------------|------------------|
| portno         | Unsigned Integer                                                                                                                                | 0-65534                      | Virtual Port Number             |                            |                  |
| header_count   | 486710366907138055                                                                                                                              | Both Local and Remote        | SIP request header table exists | warning                    | slb.template.sip |
| CEF            |                                                                                                                                                 |                              |                                 |                            |                  |
| Format         | cn1=\$count:%u: cn1Label=SIP headers count                                                                                                      |                              |                                 |                            |                  |
| Example        | cn1=1 cn1Label=SIP headers count                                                                                                                |                              |                                 |                            |                  |
| SYSLOG         |                                                                                                                                                 |                              |                                 |                            |                  |
| Format         | SIP Headers count \$count:%u:                                                                                                                   |                              |                                 |                            |                  |
| Example        | SIP Headers count 1                                                                                                                             |                              |                                 |                            |                  |
| Variable       | Type                                                                                                                                            | Value                        |                                 | Description                |                  |
| count          | Unsigned Integer                                                                                                                                | {request_header_table_count} |                                 | request header table count |                  |
| header_invalid | 486710366907138052                                                                                                                              | Both Local and Remote        | SIP template header is invalid  | warning                    | slb.template.sip |
| CEF            |                                                                                                                                                 |                              |                                 |                            |                  |
| Format         | cn1=\$data_len:%u: cn1Label=Header content length cs1=\$header:%s: cs1Label=Header name cn2=\$total_len:%u: cn2Label=Header total length        |                              |                                 |                            |                  |
| Example        | cn1=1 cn1Label=Header content length cs1=xx cs1Label=Header name cn2=3 cn2Label=Header total length                                             |                              |                                 |                            |                  |
| SYSLOG         |                                                                                                                                                 |                              |                                 |                            |                  |
| Format         | Invalid Header. \$data_len:%u: \$header:%s: \$total_len:%u:                                                                                     |                              |                                 |                            |                  |
| Example        | Invalid Header. 1 xx 3                                                                                                                          |                              |                                 |                            |                  |
| Variable       | Type                                                                                                                                            | Value                        |                                 | Description                |                  |
| data_len       | Unsigned Integer                                                                                                                                | {length_of_the_request_line} |                                 | length of the request line |                  |
| header         | String                                                                                                                                          | {request_line}               |                                 | request line               |                  |
| total_len      | Unsigned Integer                                                                                                                                | {total_header_length}        |                                 | total header length        |                  |
| header_long    | 486710366907138051                                                                                                                              | Both Local and Remote        | SIP template header is too long | warning                    | slb.template.sip |
| CEF            |                                                                                                                                                 |                              |                                 |                            |                  |
| Format         | cn1=\$data_len:%u: cn1Label=Header name data length cs1=\$header:%s: cs1Label=Header name cn2=\$total_len:%u: cn2Label=Header name total length |                              |                                 |                            |                  |

|                  |                    |                           |                                                                 |                          |                  |                                                                                                                                   |
|------------------|--------------------|---------------------------|-----------------------------------------------------------------|--------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Example          |                    |                           |                                                                 |                          |                  | cn1=1 cn1Label=Header name data length cs1=www.a10networks.com cs1Label=Header name cn2=3 cn2Label=Header name total length       |
| SYSLOG           |                    |                           |                                                                 |                          |                  |                                                                                                                                   |
| Format           |                    |                           |                                                                 |                          |                  | Header name is too long. \$data_len:%u: \$header:%s: \$total_len:%u:                                                              |
| Example          |                    |                           |                                                                 |                          |                  | Header name is too long. 1 www.a10networks.com 3                                                                                  |
| Variable         | Type               | Value                     |                                                                 | Description              |                  |                                                                                                                                   |
| data_len         | Unsigned Integer   | {Aho-Corasick+_space_-_2} |                                                                 | Aho-Corasick + space - 2 |                  |                                                                                                                                   |
| header           | String             | {header_line}             |                                                                 | header line              |                  |                                                                                                                                   |
| total_len        | Unsigned Integer   | {Aho-Corasick+_space}     |                                                                 | Aho-Corasick + space     |                  |                                                                                                                                   |
| line_long        | 486710366907138049 | Both Local and Remote     | SIP request line is longer than the threshold                   | warning                  | slb.template.sip |                                                                                                                                   |
| CEF              |                    |                           |                                                                 |                          |                  |                                                                                                                                   |
| Format           |                    |                           |                                                                 |                          |                  | cn1=\$total_len:%u: cn1Label=Line total length cn2=\$data_len:%u: cn2Label=Line content length cs1=\$request:%s: cs1Label=Request |
| Example          |                    |                           |                                                                 |                          |                  | cn1=3 cn1Label=Line total length cn2=1 cn2Label=Line content length cs1=www.a10networks.com cs1Label=Request                      |
| SYSLOG           |                    |                           |                                                                 |                          |                  |                                                                                                                                   |
| Format           |                    |                           |                                                                 |                          |                  | The line is too long. \$total_len:%u: \$data_len:%u: \$request:%s:                                                                |
| Example          |                    |                           |                                                                 |                          |                  | The line is too long. 3 1 www.a10networks.com                                                                                     |
| Variable         | Type               | Value                     |                                                                 | Description              |                  |                                                                                                                                   |
| total_len        | Unsigned Integer   | {line_len}                |                                                                 | line len                 |                  |                                                                                                                                   |
| data_len         | Unsigned Integer   | {line_len_-_2}            |                                                                 | line len - 2             |                  |                                                                                                                                   |
| request          | String             | {request}                 |                                                                 | request                  |                  |                                                                                                                                   |
| too_many_headers | 486710366907138050 | Both Local and Remote     | SIP template has more headers than the capacity of header table | warning                  | slb.template.sip |                                                                                                                                   |
| CEF              |                    |                           |                                                                 |                          |                  |                                                                                                                                   |
| Format           |                    |                           |                                                                 |                          |                  | cn1=\$count:%u: cn1Label=Header count                                                                                             |
| Example          |                    |                           |                                                                 |                          |                  | cn1=15 cn1Label=Header count                                                                                                      |
| SYSLOG           |                    |                           |                                                                 |                          |                  |                                                                                                                                   |
| Format           |                    |                           |                                                                 |                          |                  | SIP request contains more than \$count:%u: headers                                                                                |

| Example         |                    | SIP request contains more than 15 headers            |                                    |             |                   |
|-----------------|--------------------|------------------------------------------------------|------------------------------------|-------------|-------------------|
| Variable        | Type               | Value                                                |                                    | Description |                   |
| count           | Unsigned Integer   | 15-60                                                |                                    | table size  |                   |
| unknown_request | 486710366907138053 | Both Local and Remote                                | SIP template request is unknown    | warning     | slb.template.sip  |
| CEF             |                    |                                                      |                                    |             |                   |
| Format          |                    | cs1=\$unknown_req:%s: cs1Label=Unknown SIP request   |                                    |             |                   |
| Example         |                    | cs1=Unknown SIP request cs1Label=Unknown SIP request |                                    |             |                   |
| SYSLOG          |                    |                                                      |                                    |             |                   |
| Format          |                    | \$unknown_req:%s:                                    |                                    |             |                   |
| Example         |                    | Unknown SIP request                                  |                                    |             |                   |
| Variable        | Type               | Value                                                |                                    | Description |                   |
| unknown_req     | String             | {unknown_req}                                        |                                    | unknown req |                   |
| unknown_version | 486710366907138054 | Both Local and Remote                                | SIP template unknown version       | warning     | slb.template.sip  |
| CEF             |                    |                                                      |                                    |             |                   |
| Format          |                    | cs1=\$unknown_ver:%s: cs1Label=Unknown SIP version   |                                    |             |                   |
| Example         |                    | cs1=Unknown SIP version cs1Label=Unknown SIP version |                                    |             |                   |
| SYSLOG          |                    |                                                      |                                    |             |                   |
| Format          |                    | \$unknown_ver:%s:                                    |                                    |             |                   |
| Example         |                    | Unknown SIP version                                  |                                    |             |                   |
| Variable        | Type               | Value                                                |                                    | Description |                   |
| unknown_ver     | String             | {unknown_req}                                        |                                    | unknown req |                   |
| header_count    | 486710641785044995 | Both Local and Remote                                | SMTP records the number of headers | warning     | slb.template.smtp |
| CEF             |                    |                                                      |                                    |             |                   |
| Format          |                    | cn1=\$count:%u: cn1Label=SMTP headers count          |                                    |             |                   |
| Example         |                    | cn1=30 cn1Label=SMTP headers count                   |                                    |             |                   |

| SYSLOG    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                      |                   |
|-----------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|-------------------|
| Format    |                    | SMTP Headers count \$count:%u:                                                                                                                                                                                                                                                                                                                                                                                         |                               |                      |                   |
| Example   |                    | SMTP Headers count 30                                                                                                                                                                                                                                                                                                                                                                                                  |                               |                      |                   |
| Variable  | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                  |                               | Description          |                   |
| count     | Unsigned Integer   | {header_table_count}                                                                                                                                                                                                                                                                                                                                                                                                   |                               | header table count   |                   |
| line_long | 486710641785044993 | Both Local and Remote                                                                                                                                                                                                                                                                                                                                                                                                  | SMTP request line is too long | warning              | slb.template.smtp |
| CEF       |                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                      |                   |
| Format    |                    | cn1=\$total_len:%u: cn1Label=Line total length cn2=\$data_len:%u: cn2Label=Line content length cs1=\$request:%s: cs1Label=Request                                                                                                                                                                                                                                                                                      |                               |                      |                   |
| Example   |                    | cn1=3 cn1Label=Line total length cn2=1 cn2Label=Line content length cs1=www.a10networks.com cs1Label=Request                                                                                                                                                                                                                                                                                                           |                               |                      |                   |
| SYSLOG    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                      |                   |
| Format    |                    | The line is too long. \$total_len:%u: \$data_len:%u: \$request:%s:                                                                                                                                                                                                                                                                                                                                                     |                               |                      |                   |
| Example   |                    | The line is too long. 3 1 www.a10networks.com                                                                                                                                                                                                                                                                                                                                                                          |                               |                      |                   |
| Variable  | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                  |                               | Description          |                   |
| total_len | Unsigned Integer   | {request_line_len}                                                                                                                                                                                                                                                                                                                                                                                                     |                               | request line len     |                   |
| data_len  | Unsigned Integer   | {request_line_len - 2}                                                                                                                                                                                                                                                                                                                                                                                                 |                               | request line len - 2 |                   |
| request   | String             | {request}                                                                                                                                                                                                                                                                                                                                                                                                              |                               | request              |                   |
| mail      | 486710641785044996 | Both Local and Remote                                                                                                                                                                                                                                                                                                                                                                                                  | SMTP mail transaction         | information          | slb.template.smtp |
| CEF       |                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                      |                   |
| Format    |                    | app=\$app:%s: src=\$src:%s: dst=\$dst:%s: suser=\$suser:%s: duser=\$duser:%s: in=\$in:%u: out=\$out:%u: msg=\$msg:%s: cs1=\$cs1:%s: cs1Label=VIP name cs2=\$cs2:%s: cs2Label=SMTP template cs3=\$cs3:%s: cs3Label=Domain cs4=\$cs4:%s: cs4Label=Action cn1=\$cn1:%u: cn1Label=Index cn2=\$cn2:%u: cn2Label=Start Time cn3=\$cn3:%u: cn3Label=Latency cn4=\$cn4:%u: cn4Label=Reply Code cn5=\$cn5:%u: cn5Label=VIP port |                               |                      |                   |
| Example   |                    | app=smtp src=1.1.1.1 dst=1.1.1.1 suser=admin duser=admin in=1 out=1 msg=setup failed cs1=vip1 cs1Label=VIP name cs2=xx cs2Label=SMTP template cs3=www.a10networks.com cs3Label=Domain cs4=Forward cs4Label=Action cn1=10 cn1Label=Index cn2=1000 cn2Label=Start Time cn3=100 cn3Label=Latency cn4=250 cn4Label=Reply Code cn5=10 cn5Label=VIP port                                                                     |                               |                      |                   |
| Variable  | Type               | Value                                                                                                                                                                                                                                                                                                                                                                                                                  |                               | Description          |                   |
| app       | String             | smtp                                                                                                                                                                                                                                                                                                                                                                                                                   |                               | protocol             |                   |



|                  |                                                     |                            |                                                                 |                          |                   |
|------------------|-----------------------------------------------------|----------------------------|-----------------------------------------------------------------|--------------------------|-------------------|
| src              | String                                              | {IPv4,IPv6_source_address} |                                                                 | IPv4,IPv6 source address |                   |
| dst              | String                                              | {IPv4,IPv6_dest_address}   |                                                                 | IPv4,IPv6 dest address   |                   |
| suser            | String                                              | {source_user}              |                                                                 | source user              |                   |
| duser            | String                                              | {dest_user}                |                                                                 | dest user                |                   |
| in               | Unsigned Integer                                    | {in_bytes}                 |                                                                 | in_bytes                 |                   |
| out              | Unsigned Integer                                    | {out_bytes}                |                                                                 | out_bytes                |                   |
| msg              | String                                              | {reason}                   |                                                                 | reason                   |                   |
| cs1              | String                                              | {vserver_name}             |                                                                 | vserver_name             |                   |
| cs2              | String                                              | {template_name}            |                                                                 | template_name            |                   |
| cs3              | String                                              | {domain}                   |                                                                 | domain                   |                   |
| cs4              | String                                              | Forward                    |                                                                 | action                   |                   |
| cn1              | Unsigned Integer                                    | {index}                    |                                                                 | index                    |                   |
| cn2              | Unsigned Integer                                    | {start_time}               |                                                                 | start_time               |                   |
| cn3              | Unsigned Integer                                    | {latency}                  |                                                                 | latency                  |                   |
| cn4              | Unsigned Integer                                    | {reply_code}               |                                                                 | reply_code               |                   |
| cn5              | Unsigned Integer                                    | {vip_port}                 |                                                                 | vip_port                 |                   |
| too_many_headers | 486710641785044994                                  | Both Local and Remote      | SMTP request has more headers than the capacity of header table | warning                  | slb.template.smtp |
| CEF              |                                                     |                            |                                                                 |                          |                   |
| Format           | cs1=\$count:%u: cs1Label=Header count               |                            |                                                                 |                          |                   |
| Example          | cs1=31 cs1Label=Header count                        |                            |                                                                 |                          |                   |
| SYSLOG           |                                                     |                            |                                                                 |                          |                   |
| Format           | SMTP request contains more than \$count:%u: headers |                            |                                                                 |                          |                   |
| Example          | SMTP request contains more than 31 headers          |                            |                                                                 |                          |                   |
| Variable         | Type                                                | Value                      |                                                                 | Description              |                   |
| count            | Unsigned Integer                                    | {header_table_count}       |                                                                 | header table count       |                   |
|                  |                                                     |                            |                                                                 |                          |                   |

|                      |                                                                                                             |                       |                                               |                     |                        |
|----------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------|---------------------|------------------------|
| half-close-deprecate | 486711191540858881                                                                                          | Both Local and Remote | user tries to use half-close-idle-time option | warning             | slb.template.tcp-proxy |
| CEF                  |                                                                                                             |                       |                                               |                     |                        |
| Format               | cs1=\$reason:%s: cs1Label=Reason                                                                            |                       |                                               |                     |                        |
| Example              | cs1=The half-close-idle-time option is deprecated, please use fin-timeout for this feature. cs1Label=Reason |                       |                                               |                     |                        |
| SYSLOG               |                                                                                                             |                       |                                               |                     |                        |
| Format               | \$reason:%s:                                                                                                |                       |                                               |                     |                        |
| Example              | The half-close-idle-time option is deprecated, please use fin-timeout for this feature.                     |                       |                                               |                     |                        |
| Variable             | Type                                                                                                        | Value                 |                                               | Description         |                        |
| reason               | String                                                                                                      | {reason}              |                                               | reason              |                        |
| action               | 486793380035035137                                                                                          | Both Local and Remote | SLB Virtual-Server Action                     | information         | slb.virtual-server     |
| CEF                  |                                                                                                             |                       |                                               |                     |                        |
| Format               | cs1=\$vs_name:%s: cs1Label=Virtual Server cs2=\$action:%s: cs2Label=Virtual Server Action                   |                       |                                               |                     |                        |
| Example              | cs1=vs cs1Label=Virtual Server cs2=created cs2Label=Virtual Server Action                                   |                       |                                               |                     |                        |
| SYSLOG               |                                                                                                             |                       |                                               |                     |                        |
| Format               | Virtual server \$vs_name:%s: is \$action:%s:                                                                |                       |                                               |                     |                        |
| Example              | Virtual server vs is created                                                                                |                       |                                               |                     |                        |
| Variable             | Type                                                                                                        | Value                 |                                               | Description         |                        |
| vs_name              | String                                                                                                      | {Virtual_Server_Name} |                                               | Virtual Server Name |                        |
| action               | String                                                                                                      | created<br>deleted    |                                               | Action              |                        |
| conn_limit           | 486793380035035143                                                                                          | Both Local and Remote | SLB Virtual Server connection limit exceeded  | warning             | slb.virtual-server     |
| CEF                  |                                                                                                             |                       |                                               |                     |                        |
| Format               | cs1=\$vs_name:%s: cs1Label=Virtual Server cn1=\$conn_limit:%u: cn1Label=Connection Limit                    |                       |                                               |                     |                        |
| Example              | cs1=vs cs1Label=Virtual Server cn1=1 cn1Label=Connection Limit                                              |                       |                                               |                     |                        |
| SYSLOG               |                                                                                                             |                       |                                               |                     |                        |

| Format              |                    | Virtual server \$vs_name:%s: connection limit \$conn_limit:%u: exceeded                                                      |                                                   |                       |                    |
|---------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------|--------------------|
| Example             |                    | Virtual server vs connection limit 1 exceeded                                                                                |                                                   |                       |                    |
| Variable            | Type               | Value                                                                                                                        |                                                   | Description           |                    |
| vs_name             | String             | {Virtual_Server_Name}                                                                                                        |                                                   | Virtual Server Name   |                    |
| conn_limit          | Unsigned Integer   | 1-64000000                                                                                                                   |                                                   | Connection Limit      |                    |
| conn_rate_limit     | 486793380035035144 | Both Local and Remote                                                                                                        | SLB Virtual Server connection rate limit exceeded | warning               | slb.virtual-server |
| CEF                 |                    |                                                                                                                              |                                                   |                       |                    |
| Format              |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server cn1=\$conn_rate_limit:%u: cn1Label=Connection Rate Limit                           |                                                   |                       |                    |
| Example             |                    | cs1=vs cs1Label=Virtual Server cn1=1 cn1Label=Connection Rate Limit                                                          |                                                   |                       |                    |
| SYSLOG              |                    |                                                                                                                              |                                                   |                       |                    |
| Format              |                    | Virtual server \$vs_name:%s: connection rate limit \$conn_rate_limit:%u: exceeded                                            |                                                   |                       |                    |
| Example             |                    | Virtual server vs connection rate limit 1 exceeded                                                                           |                                                   |                       |                    |
| Variable            | Type               | Value                                                                                                                        |                                                   | Description           |                    |
| vs_name             | String             | {Virtual_Server_Name}                                                                                                        |                                                   | Virtual Server Name   |                    |
| conn_rate_limit     | Unsigned Integer   | 1-1048575                                                                                                                    |                                                   | Connection Rate Limit |                    |
| disable_vport_debug | 486793380035035139 | Both Local and Remote                                                                                                        | Debugging SLB Virtual-Server virtual-port list    | information           | slb.virtual-server |
| CEF                 |                    |                                                                                                                              |                                                   |                       |                    |
| Format              |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server cs2=\$vport_name:%s: cs2Label=Virtual Port Name cn1=\$vport_port:%u: cn1Label=Port |                                                   |                       |                    |
| Example             |                    | cs1=vs cs1Label=Virtual Server cs2=tcp cs2Label=Virtual Port Name cn1=0 cn1Label=Port                                        |                                                   |                       |                    |
| SYSLOG              |                    |                                                                                                                              |                                                   |                       |                    |
| Format              |                    | Virtual Server \$vs_name:%s: vport \$vport_name:%s: \$vport_port:%u: causing infinite loop                                   |                                                   |                       |                    |
| Example             |                    | Virtual Server vs vport tcp 0 causing infinite loop                                                                          |                                                   |                       |                    |
| Variable            | Type               | Value                                                                                                                        |                                                   | Description           |                    |
| vs_name             | String             | {Virtual_Server_Name}                                                                                                        |                                                   | Virtual Server Name   |                    |
| vport_name          | String             | {Virtual_Port_Name}                                                                                                          |                                                   | Virtual Port Name     |                    |

|               |                                                                                                                                                              |                                           |                                                                                                                    |                     |                    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| vport_port    | Unsigned Integer                                                                                                                                             | 0-65534                                   |                                                                                                                    | Virtual Port Number |                    |
| exceeded      | 486793380035035140                                                                                                                                           | Both Local and Remote                     | SLB Virtual Server exceeded limit                                                                                  | warning             | slb.virtual-server |
| CEF           |                                                                                                                                                              |                                           |                                                                                                                    |                     |                    |
| Format        | cs1=\$reason:%s: cs1Label=Reason cs2=\$vserver_name:%s: cs2Label=Virtual Server Name cn1=\$limit:%u: cn1Label=Limit                                          |                                           |                                                                                                                    |                     |                    |
| Example       | cs1=connection limit cs1Label=Reason cs2=vs cs2Label=Virtual Server Name cn1=64000000 cn1Label=Limit                                                         |                                           |                                                                                                                    |                     |                    |
| SYSLOG        |                                                                                                                                                              |                                           |                                                                                                                    |                     |                    |
| Format        | Virtual Server \$vserver_name:%s: \$reason:%s: \$limit:%u: exceeded                                                                                          |                                           |                                                                                                                    |                     |                    |
| Example       | Virtual Server vs connection limit 64000000 exceeded                                                                                                         |                                           |                                                                                                                    |                     |                    |
| Variable      | Type                                                                                                                                                         | Value                                     |                                                                                                                    | Description         |                    |
| reason        | String                                                                                                                                                       | connection limit<br>connection rate limit |                                                                                                                    | Limit Type Exceeded |                    |
| vserver_name  | String                                                                                                                                                       | {Virtual_Server_Name}                     |                                                                                                                    | Virtual Server Name |                    |
| limit         | Unsigned Integer                                                                                                                                             | {Limit_Exceeded}                          |                                                                                                                    | Limit Exceeded      |                    |
| icmp_exceed   | 486793380035035141                                                                                                                                           | Both Local and Remote                     | SLB Virtual Server ICMP packet rate limit exceeded, drop all ICMP packets to this virtual server for lockup period | information         | slb.virtual-server |
| CEF           |                                                                                                                                                              |                                           |                                                                                                                    |                     |                    |
| Format        | cs1=\$vserver_name:%s: cs1Label=Virtual Server cn1=\$limit:%u: cn1Label=Rate Limit cn2=\$lockup_period:%u: cn2Label=Lockup Period                            |                                           |                                                                                                                    |                     |                    |
| Example       | cs1=vs cs1Label=Virtual Server cn1=1 cn1Label=Rate Limit cn2=1 cn2Label=Lockup Period                                                                        |                                           |                                                                                                                    |                     |                    |
| SYSLOG        |                                                                                                                                                              |                                           |                                                                                                                    |                     |                    |
| Format        | Virtual server \$vserver_name:%s: ICMP packet rate limit \$limit:%u: exceeded. Drop ICMP packets to this virtual server for next \$lockup_period:%u: seconds |                                           |                                                                                                                    |                     |                    |
| Example       | Virtual server vs ICMP packet rate limit 1 exceeded. Drop ICMP packets to this virtual server for next 1 seconds                                             |                                           |                                                                                                                    |                     |                    |
| Variable      | Type                                                                                                                                                         | Value                                     |                                                                                                                    | Description         |                    |
| vserver_name  | String                                                                                                                                                       | {Virtual_Server_Name}                     |                                                                                                                    | Virtual Server Name |                    |
| limit         | Unsigned Integer                                                                                                                                             | 1-65535                                   |                                                                                                                    | ICMP Rate Limit     |                    |
| lockup_period | Unsigned Integer                                                                                                                                             | 1-16383                                   |                                                                                                                    | Lockup Period       |                    |
|               |                                                                                                                                                              |                                           |                                                                                                                    |                     |                    |

|               |                                                                                                                                                                  |                       |                                                                                                                        |                      |                         |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| icmpv6_exceed | 486793380035035142                                                                                                                                               | Both Local and Remote | SLB Virtual Server ICMPv6 packet rate limit exceeded, drop all ICMPv6 packets to this virtual server for lockup period | information          | slb.virtual-server      |
| CEF           |                                                                                                                                                                  |                       |                                                                                                                        |                      |                         |
| Format        | cs1=\$vserver_name:%s: cs1Label=Virtual Server cn1=\$limit:%u: cn1Label=Rate Limit cn2=\$lockup_period:%u: cn2Label=Lockup Period                                |                       |                                                                                                                        |                      |                         |
| Example       | cs1=vs cs1Label=Virtual Server cn1=1 cn1Label=Rate Limit cn2=1 cn2Label=Lockup Period                                                                            |                       |                                                                                                                        |                      |                         |
| SYSLOG        |                                                                                                                                                                  |                       |                                                                                                                        |                      |                         |
| Format        | Virtual server \$vserver_name:%s: ICMPv6 packet rate limit \$limit:%u: exceeded. Drop ICMPv6 packets to this virtual server for next \$lockup_period:%u: seconds |                       |                                                                                                                        |                      |                         |
| Example       | Virtual server vs ICMPv6 packet rate limit 1 exceeded. Drop ICMPv6 packets to this virtual server for next 1 seconds                                             |                       |                                                                                                                        |                      |                         |
| Variable      | Type                                                                                                                                                             | Value                 |                                                                                                                        | Description          |                         |
| vserver_name  | String                                                                                                                                                           | {Virtual_Server_Name} |                                                                                                                        | Virtual Server Name  |                         |
| limit         | Unsigned Integer                                                                                                                                                 | 1-65535               |                                                                                                                        | ICMP v6 Rate Limit   |                         |
| lockup_period | Unsigned Integer                                                                                                                                                 | 1-16383               |                                                                                                                        | Lockup Period        |                         |
| state_change  | 486793380035035138                                                                                                                                               | Both Local and Remote | SLB Virtual Server state change                                                                                        | information          | slb.virtual-server      |
| CEF           |                                                                                                                                                                  |                       |                                                                                                                        |                      |                         |
| Format        | cs1=\$vs_name:%s: cs1Label=Virtual Server cs2=\$state:%s: cs2Label=Virtual Server State                                                                          |                       |                                                                                                                        |                      |                         |
| Example       | cs1=vs cs1Label=Virtual Server cs2=up cs2Label=Virtual Server State                                                                                              |                       |                                                                                                                        |                      |                         |
| SYSLOG        |                                                                                                                                                                  |                       |                                                                                                                        |                      |                         |
| Format        | Virtual server \$vs_name:%s: is \$state:%s:                                                                                                                      |                       |                                                                                                                        |                      |                         |
| Example       | Virtual server vs is up                                                                                                                                          |                       |                                                                                                                        |                      |                         |
| Variable      | Type                                                                                                                                                             | Value                 |                                                                                                                        | Description          |                         |
| vs_name       | String                                                                                                                                                           | {Virtual_Server_Name} |                                                                                                                        | Virtual Server Name  |                         |
| state         | String                                                                                                                                                           | up<br>down            |                                                                                                                        | Virtual Server State |                         |
| action        | 486793654912942081                                                                                                                                               | Both Local and Remote | SLB Virtual Server Port is created/deleted                                                                             | information          | slb.virtual-server.port |
| CEF           |                                                                                                                                                                  |                       |                                                                                                                        |                      |                         |

|                 |                    |                                                                                                                                                   |                                                                                                         |                     |                         |
|-----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|-------------------------|
| Format          |                    | cs1=\$stype:%s: cs1Label=service type cs2=\$vsname:%s: cs2Label=virtual server name cn1=\$port:%u: cn1Label=port cs4=\$action:%s: cs4Label=action |                                                                                                         |                     |                         |
| Example         |                    | cs1=tcp cs1Label=service type cs2=vs cs2Label=virtual server name cn1=80 cn1Label=port cs4=created cs4Label=action                                |                                                                                                         |                     |                         |
| SYSLOG          |                    |                                                                                                                                                   |                                                                                                         |                     |                         |
| Format          |                    | Service \$stype:%s: on virtual server \$vsname:%s: port \$port:%u: is \$action:%s:                                                                |                                                                                                         |                     |                         |
| Example         |                    | Service tcp on virtual server vs port 80 is created                                                                                               |                                                                                                         |                     |                         |
| Variable        | Type               | Value                                                                                                                                             |                                                                                                         | Description         |                         |
| stype           | String             | {port_type}                                                                                                                                       |                                                                                                         | port type           |                         |
| vsname          | String             | {Virtual_Server_Name}                                                                                                                             |                                                                                                         | Virtual Server Name |                         |
| port            | Unsigned Integer   | {Port}                                                                                                                                            |                                                                                                         | Port                |                         |
| action          | String             | created<br>deleted                                                                                                                                |                                                                                                         | action              |                         |
| conn_limit      | 486793654912942087 | Both Local and Remote                                                                                                                             | SLB Virtual Server port exceeded configured connection limit and logging enabled                        | warning             | slb.virtual-server.port |
| CEF             |                    |                                                                                                                                                   |                                                                                                         |                     |                         |
| Format          |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server Name cn1=\$port:%u: cn1Label=Virtual Port cn2=\$conn_limit:%u: cn2Label=Connection Limit                |                                                                                                         |                     |                         |
| Example         |                    | cs1=vs cs1Label=Virtual Server Name cn1=80 cn1Label=Virtual Port cn2=1 cn2Label=Connection Limit                                                  |                                                                                                         |                     |                         |
| SYSLOG          |                    |                                                                                                                                                   |                                                                                                         |                     |                         |
| Format          |                    | Virtual server \$vs_name:%s: service port \$port:%u: connection limit \$conn_limit:%u: exceeded                                                   |                                                                                                         |                     |                         |
| Example         |                    | Virtual server vs service port 80 connection limit 1 exceeded                                                                                     |                                                                                                         |                     |                         |
| Variable        | Type               | Value                                                                                                                                             |                                                                                                         | Description         |                         |
| vs_name         | String             | {Virtual_Server_Name}                                                                                                                             |                                                                                                         | Virtual Server Name |                         |
| port            | Unsigned Integer   | {Port}                                                                                                                                            |                                                                                                         | Port                |                         |
| conn_limit      | Unsigned Integer   | 1-64000000                                                                                                                                        |                                                                                                         | configured limit    |                         |
| conn_rate_limit | 486793654912942088 | Both Local and Remote                                                                                                                             | SLB Virtual Server port exceeded configured connection rate limit on vport template and logging enabled | warning             | slb.virtual-server.port |

|                 |                                                                                                                                                  |                                           |                                                                                  |                     |                         |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------|---------------------|-------------------------|
| CEF             |                                                                                                                                                  |                                           |                                                                                  |                     |                         |
| Format          | cs1=\$vs_name:%s: cs1Label=Virtual Server Name cn1=\$port:%u: cn1Label=Service Port cn2=\$conn_rate_limit:%u: cn2Label=Connection Rate Limit     |                                           |                                                                                  |                     |                         |
| Example         | cs1=vs cs1Label=Virtual Server Name cn1=80 cn1Label=Service Port cn2=1 cn2Label=Connection Rate Limit                                            |                                           |                                                                                  |                     |                         |
| SYSLOG          |                                                                                                                                                  |                                           |                                                                                  |                     |                         |
| Format          | Virtual server \$vs_name:%s: service port \$port:%u: connection rate limit \$conn_rate_limit:%u: exceeded                                        |                                           |                                                                                  |                     |                         |
| Example         | Virtual server vs service port 80 connection rate limit 1 exceeded                                                                               |                                           |                                                                                  |                     |                         |
| Variable        | Type                                                                                                                                             | Value                                     |                                                                                  | Description         |                         |
| vs_name         | String                                                                                                                                           | {Virtual_Server_Name}                     |                                                                                  | Virtual Server Name |                         |
| port            | Unsigned Integer                                                                                                                                 | {Port}                                    |                                                                                  | Port                |                         |
| conn_rate_limit | Unsigned Integer                                                                                                                                 | 1-1048575                                 |                                                                                  | configured limit    |                         |
| exceeded        | 486793654912942086                                                                                                                               | Both Local and Remote                     | SLB Virtual Server port exceeded limit                                           | warning             | slb.virtual-server.port |
| CEF             |                                                                                                                                                  |                                           |                                                                                  |                     |                         |
| Format          | cs1=\$reason:%s: cs1Label=Reason cs2=\$vserver_name:%s: cs2Label=Virtual Server Name cn1=\$port:%u: cn1Label=Port cn2=\$limit:%u: cn2Label=Limit |                                           |                                                                                  |                     |                         |
| Example         | cs1=connection limit cs1Label=Reason cs2=vs cs2Label=Virtual Server Name cn1=80 cn1Label=Port cn2=140000 cn2Label=Limit                          |                                           |                                                                                  |                     |                         |
| SYSLOG          |                                                                                                                                                  |                                           |                                                                                  |                     |                         |
| Format          | Server \$vserver_name:%s: service port \$port:%u: \$reason:%s: \$limit:%u: exceeded                                                              |                                           |                                                                                  |                     |                         |
| Example         | Server vs service port 80 connection limit 140000 exceeded                                                                                       |                                           |                                                                                  |                     |                         |
| Variable        | Type                                                                                                                                             | Value                                     |                                                                                  | Description         |                         |
| reason          | String                                                                                                                                           | connection limit<br>connection rate limit |                                                                                  | Limit Type Exceeded |                         |
| vserver_name    | String                                                                                                                                           | {Virtual_Server_Name}                     |                                                                                  | Virtual Server Name |                         |
| port            | Unsigned Integer                                                                                                                                 | {Port}                                    |                                                                                  | Port                |                         |
| limit           | Unsigned Integer                                                                                                                                 | {Configured_Limit}                        |                                                                                  | Configured Limit    |                         |
| lw_port         | 486793654912942083                                                                                                                               | Both Local and Remote                     | SLB Virtual Server Port failure at server selection during aflex lw port command | warning             | slb.virtual-server.port |

|                 |                    |                                                                                                                                                       |                                                                               |                      |                         |
|-----------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------|-------------------------|
| CEF             |                    |                                                                                                                                                       |                                                                               |                      |                         |
| Format          |                    | cs1=\$reason:%s: cs1Label=Reason                                                                                                                      |                                                                               |                      |                         |
| Example         |                    | cs1=vport unavailable cs1Label=Reason                                                                                                                 |                                                                               |                      |                         |
| SYSLOG          |                    |                                                                                                                                                       |                                                                               |                      |                         |
| Format          |                    | Got lwnode port command, but \$reason:%s:                                                                                                             |                                                                               |                      |                         |
| Example         |                    | Got lwnode port command, but vport unavailable                                                                                                        |                                                                               |                      |                         |
| Variable        | Type               | Value                                                                                                                                                 |                                                                               | Description          |                         |
| reason          | String             | vport unavailable<br>NAT pool unavailable                                                                                                             |                                                                               | failure reason       |                         |
| query-rate-high | 486793654912942098 | Both Local and Remote                                                                                                                                 | SLB Virtual Server port QPS touch configured high threshold on vport template | warning              | slb.virtual-server.port |
| CEF             |                    |                                                                                                                                                       |                                                                               |                      |                         |
| Format          |                    | cs1=\$vs_name:%s: cs1Label=Virtual Server Name cn1=\$port:%u: cn1Label=Service Port proto=\$stype:%s: current=\$curr_QPS:%u: threshold=\$QPS_high:%u: |                                                                               |                      |                         |
| Example         |                    | cs1=vs cs1Label=Virtual Server Name cn1=80 cn1Label=Service Port proto=tcp current=0 threshold=1                                                      |                                                                               |                      |                         |
| SYSLOG          |                    |                                                                                                                                                       |                                                                               |                      |                         |
| Format          |                    | Virtual server \$vs_name:%s: service port \$port:%u: type \$stype:%s: QPS \$curr_QPS:%u: is above high threshold \$QPS_high:%u:                       |                                                                               |                      |                         |
| Example         |                    | Virtual server vs service port 80 type tcp QPS 0 is above high threshold 1                                                                            |                                                                               |                      |                         |
| Variable        | Type               | Value                                                                                                                                                 |                                                                               | Description          |                         |
| vs_name         | String             | {Virtual_Server_Name}                                                                                                                                 |                                                                               | Virtual Server Name  |                         |
| port            | Unsigned Integer   | {Port}                                                                                                                                                |                                                                               | Port                 |                         |
| stype           | String             | {port_type}                                                                                                                                           |                                                                               | port type            |                         |
| curr_QPS        | Unsigned Integer   | 0-640000000                                                                                                                                           |                                                                               | Current QPS          |                         |
| QPS_high        | Unsigned Integer   | 1-64000000                                                                                                                                            |                                                                               | configured threshold |                         |
| query-rate-low  | 486793654912942099 | Both Local and Remote                                                                                                                                 | SLB Virtual Server port QPS touch configured low threshold on vport template  | warning              | slb.virtual-server.port |
| CEF             |                    |                                                                                                                                                       |                                                                               |                      |                         |



|                   |                                                                                                                                                      |                       |                                                                                       |                      |                         |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|----------------------|-------------------------|
| Format            | cs1=\$vs_name:%s: cs1Label=Virtual Server Name cn1=\$port:%u: cn1Label=Service Port proto=\$stype:%s: current=\$curr_QPS:%u: threshold=\$QPS_low:%u: |                       |                                                                                       |                      |                         |
| Example           | cs1=vs cs1Label=Virtual Server Name cn1=80 cn1Label=Service Port proto=tcp current=0 threshold=1                                                     |                       |                                                                                       |                      |                         |
| SYSLOG            |                                                                                                                                                      |                       |                                                                                       |                      |                         |
| Format            | Virtual server \$vs_name:%s: service port \$port:%u: type \$stype:%s: QPS \$curr_QPS:%u: is below low threshold \$QPS_low:%u:                        |                       |                                                                                       |                      |                         |
| Example           | Virtual server vs service port 80 type tcp QPS 0 is below low threshold 1                                                                            |                       |                                                                                       |                      |                         |
| Variable          | Type                                                                                                                                                 | Value                 |                                                                                       | Description          |                         |
| vs_name           | String                                                                                                                                               | {Virtual_Server_Name} |                                                                                       | Virtual Server Name  |                         |
| port              | Unsigned Integer                                                                                                                                     | {Port}                |                                                                                       | Port                 |                         |
| stype             | String                                                                                                                                               | {port_type}           |                                                                                       | port type            |                         |
| curr_QPS          | Unsigned Integer                                                                                                                                     | 0-640000000           |                                                                                       | Current QPS          |                         |
| QPS_low           | Unsigned Integer                                                                                                                                     | 1-63999999            |                                                                                       | configured threshold |                         |
| query-rate-normal | 486793654912942100                                                                                                                                   | Both Local and Remote | SLB Virtual Server port QPS back to normal                                            | warning              | slb.virtual-server.port |
| CEF               |                                                                                                                                                      |                       |                                                                                       |                      |                         |
| Format            | cs1=\$vs_name:%s: cs1Label=Virtual Server Name cn1=\$port:%u: cn1Label=Service Port proto=\$stype:%s: current=\$curr_QPS:%u:                         |                       |                                                                                       |                      |                         |
| Example           | cs1=vs cs1Label=Virtual Server Name cn1=80 cn1Label=Service Port proto=tcp current=0                                                                 |                       |                                                                                       |                      |                         |
| SYSLOG            |                                                                                                                                                      |                       |                                                                                       |                      |                         |
| Format            | Virtual server \$vs_name:%s: service port \$port:%u: type \$stype:%s: QPS \$curr_QPS:%u: back to normal                                              |                       |                                                                                       |                      |                         |
| Example           | Virtual server vs service port 80 type tcp QPS 0 back to normal                                                                                      |                       |                                                                                       |                      |                         |
| Variable          | Type                                                                                                                                                 | Value                 |                                                                                       | Description          |                         |
| vs_name           | String                                                                                                                                               | {Virtual_Server_Name} |                                                                                       | Virtual Server Name  |                         |
| port              | Unsigned Integer                                                                                                                                     | {Port}                |                                                                                       | Port                 |                         |
| stype             | String                                                                                                                                               | {port_type}           |                                                                                       | port type            |                         |
| curr_QPS          | Unsigned Integer                                                                                                                                     | 0-1048575             |                                                                                       | Current QPS          |                         |
| ssl_sni           | 486793654912942085                                                                                                                                   | Both Local and Remote | Failed to create SSL context for SNI configuration in client-ssl template under vport | information          | slb.virtual-server.port |

|               |                    |                                                                                                                                                              |                                                     |                     |                         |
|---------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------|-------------------------|
| CEF           |                    |                                                                                                                                                              |                                                     |                     |                         |
| Format        |                    | cs1=\$err_str:%s: cs1Label=Error String cs2=\$sni_cert_name:%s: cs2Label=SNI Certificate Name cs3=\$sni_key_name:%s: cs3Label=SNI key name                   |                                                     |                     |                         |
| Example       |                    | cs1=key parsing failed cs1Label=Error String cs2=cert1 cs2Label=SNI Certificate Name cs3=key1 cs3Label=SNI key name                                          |                                                     |                     |                         |
| SYSLOG        |                    |                                                                                                                                                              |                                                     |                     |                         |
| Format        |                    | Failed to create SNI, reason: \$err_str:%s:, cert \$sni_cert_name:%s: and key \$sni_key_name:%s:                                                             |                                                     |                     |                         |
| Example       |                    | Failed to create SNI, reason: key parsing failed, cert cert1 and key key1                                                                                    |                                                     |                     |                         |
| Variable      | Type               | Value                                                                                                                                                        |                                                     | Description         |                         |
| err_str       | String             | {failure_reason}                                                                                                                                             |                                                     | failure reason      |                         |
| sni_cert_name | String             | {certificate_name}                                                                                                                                           |                                                     | certificate name    |                         |
| sni_key_name  | String             | {key_name}                                                                                                                                                   |                                                     | key name            |                         |
| status        | 486793654912942082 | Both Local and Remote                                                                                                                                        | GSLB is enabled/disabled on SLB Virtual Server Port | information         | slb.virtual-server.port |
| CEF           |                    |                                                                                                                                                              |                                                     |                     |                         |
| Format        |                    | cs1=\$status:%s: cs1Label=Service status cs2=\$vsname:%s: cs2Label=virtual server name cn1=\$port:%u: cn1Label=Port                                          |                                                     |                     |                         |
| Example       |                    | cs1=enabled cs1Label=Service status cs2=vs cs2Label=virtual server name cn1=80 cn1Label=Port                                                                 |                                                     |                     |                         |
| SYSLOG        |                    |                                                                                                                                                              |                                                     |                     |                         |
| Format        |                    | Service \$status:%s: on virtual server \$vsname:%s: port \$port:%u:                                                                                          |                                                     |                     |                         |
| Example       |                    | Service enabled on virtual server vs port 80                                                                                                                 |                                                     |                     |                         |
| Variable      | Type               | Value                                                                                                                                                        |                                                     | Description         |                         |
| status        | String             | enabled<br>disabled                                                                                                                                          |                                                     | gslb service status |                         |
| vsname        | String             | {Virtual_Server_Name}                                                                                                                                        |                                                     | Virtual Server Name |                         |
| port          | Unsigned Integer   | {Port}                                                                                                                                                       |                                                     | Port                |                         |
| type_state    | 486793654912942084 | Both Local and Remote                                                                                                                                        | SLB Virtual Server Port state changed               | information         | slb.virtual-server.port |
| CEF           |                    |                                                                                                                                                              |                                                     |                     |                         |
| Format        |                    | cs1=\$vport_type:%s: cs1Label=VPort Type cs2=\$vserver_name:%s: cs2Label=Virtual Server cn1=\$vport:%u: cn1Label=Virtual Port cs3=\$state:%s: cs3Label=State |                                                     |                     |                         |

|              |                    |                                                                                                               |                      |                     |                      |
|--------------|--------------------|---------------------------------------------------------------------------------------------------------------|----------------------|---------------------|----------------------|
| Example      |                    | cs1=tcp cs1Label=VPort Type cs2=vs cs2Label=Virtual Server cn1=80 cn1Label=Virtual Port cs3=up cs3Label=State |                      |                     |                      |
| SYSLOG       |                    |                                                                                                               |                      |                     |                      |
| Format       |                    | Service \$vport_type:%s: on virtual server \$vserver_name:%s: port \$vport:%u: is \$state:%s:.                |                      |                     |                      |
| Example      |                    | Service tcp on virtual server vs port 80 is up.                                                               |                      |                     |                      |
| Variable     | Type               | Value                                                                                                         |                      | Description         |                      |
| vport_type   | String             | {port_type}                                                                                                   |                      | port type           |                      |
| vserver_name | String             | {Virtual_Server_Name}                                                                                         |                      | Virtual Server Name |                      |
| vport        | Unsigned Integer   | {Port}                                                                                                        |                      | Port                |                      |
| state        | String             | up<br>down                                                                                                    |                      | current state       |                      |
| snmp-restart | 571957152676052996 | Both Local and Remote                                                                                         | The snmpd restarted  | warning             | snmp-server          |
| SYSLOG       |                    |                                                                                                               |                      |                     |                      |
| Format       |                    | The snmpd is restarted.                                                                                       |                      |                     |                      |
| status       | 216172782113783809 | Both Local and Remote                                                                                         | ssh login grace time | information         | ssh-login-grace-time |
| SYSLOG       |                    |                                                                                                               |                      |                     |                      |
| Format       |                    | The ssh login grace time is set to \$status:%s:                                                               |                      |                     |                      |
| Example      |                    | The ssh login grace time is set to 1min                                                                       |                      |                     |                      |
| Variable     | Type               | Value                                                                                                         |                      | Description         |                      |
| status       | String             | {time}                                                                                                        |                      | time                |                      |
| log          | 211669182486413313 | Both Local and Remote                                                                                         | log sshd operations  | information         | sshd                 |
| SYSLOG       |                    |                                                                                                               |                      |                     |                      |
| Format       |                    | sshd \$action:%s: key \$status:%s:                                                                            |                      |                     |                      |
| Example      |                    | sshd wipe key failed                                                                                          |                      |                     |                      |
| Variable     | Type               | Value                                                                                                         |                      | Description         |                      |
|              |                    | wipe<br>regernerate                                                                                           |                      |                     |                      |

|                              |                                                                                                                        |                       |                                                    |                     |            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------|---------------------|------------|
| action                       | String                                                                                                                 | generate<br>load      | action                                             |                     |            |
| status                       | String                                                                                                                 | failed<br>succeed     | status                                             |                     |            |
| syn-cookie-status            | 436849163854938113                                                                                                     | Both Local and Remote | SYN cookie configuration status                    | information         | syn-cookie |
| CEF                          |                                                                                                                        |                       |                                                    |                     |            |
| Format                       | cs1=\$platform_type:%s: cs1Label=Platform type cs2=\$config_status:%s: cs2Label=Global SYN cookie configuration status |                       |                                                    |                     |            |
| Example                      | cs1=TH4430S cs1Label=Platform type cs2=Hardware SYN cookie is enabled cs2Label=Global SYN cookie configuration status  |                       |                                                    |                     |            |
| SYSLOG                       |                                                                                                                        |                       |                                                    |                     |            |
| Format                       | \$platform_type:%s: SYN cookie \$config_status:%s:                                                                     |                       |                                                    |                     |            |
| Example                      | TH4430S SYN cookie Hardware SYN cookie is enabled                                                                      |                       |                                                    |                     |            |
| Variable                     | Type                                                                                                                   | Value                 |                                                    | Description         |            |
| platform_type                | String                                                                                                                 | {platform_type}       |                                                    | platform type       |            |
| config_status                | String                                                                                                                 | {configuration_satus} |                                                    | configuration satus |            |
| AAA-rm-fail                  | 175640385467449566                                                                                                     | Both Local and Remote | Disk is full and remove old AAA logs automatically | warning             | system     |
| SYSLOG                       |                                                                                                                        |                       |                                                    |                     |            |
| Format                       | Disk is full and remove old AAA logs automatically                                                                     |                       |                                                    |                     |            |
| Compression-report-error     | 175640385467449479                                                                                                     | Both Local and Remote | board report error                                 | error               | system     |
| SYSLOG                       |                                                                                                                        |                       |                                                    |                     |            |
| Format                       | Compression board\$value:%u: reported error.                                                                           |                       |                                                    |                     |            |
| Example                      | Compression board1 reported error.                                                                                     |                       |                                                    |                     |            |
| Variable                     | Type                                                                                                                   | Value                 |                                                    | Description         |            |
| value                        | Unsigned Integer                                                                                                       | {invalid_option}      |                                                    | invalid option      |            |
| HeartBeat-api-connect-failed | 175640385467449458                                                                                                     | Both Local and Remote | create connect failed                              | error               | system     |
| SYSLOG                       |                                                                                                                        |                       |                                                    |                     |            |

|                                 |                    |                                                                                                                                                                                                                                            |                                          |               |        |
|---------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|--------|
| Format                          |                    | The thread create Heartbeat Connect api failed                                                                                                                                                                                             |                                          |               |        |
| HeartBeat-api-connection-failed | 175640385467449459 | Both Local and Remote                                                                                                                                                                                                                      | create thread failed                     | error         | system |
| SYSLOG                          |                    |                                                                                                                                                                                                                                            |                                          |               |        |
| Format                          |                    | Heartbeat Connection thread could not be created.                                                                                                                                                                                          |                                          |               |        |
| HeartBeat-api-create-failed     | 175640385467449457 | Both Local and Remote                                                                                                                                                                                                                      | create thread failed                     | error         | system |
| SYSLOG                          |                    |                                                                                                                                                                                                                                            |                                          |               |        |
| Format                          |                    | The thread create HeartBeat api failed                                                                                                                                                                                                     |                                          |               |        |
| TRANSMIT_INIT                   | 175640385467449345 | Both Local and Remote                                                                                                                                                                                                                      | ftp Initial transmit environment failed. | error         | system |
| SYSLOG                          |                    |                                                                                                                                                                                                                                            |                                          |               |        |
| Format                          |                    | Initial transmit environment failed.                                                                                                                                                                                                       |                                          |               |        |
| a10Stat-error                   | 175640385467449499 | Both Local and Remote                                                                                                                                                                                                                      | a10stat failed                           | error         | system |
| SYSLOG                          |                    |                                                                                                                                                                                                                                            |                                          |               |        |
| Format                          |                    | a10Stat \$state:%s:.                                                                                                                                                                                                                       |                                          |               |        |
| Example                         |                    | a10Stat lost connection to ALB.                                                                                                                                                                                                            |                                          |               |        |
| Variable                        | Type               | Value                                                                                                                                                                                                                                      |                                          | Description   |        |
| state                           | String             | lost connection to ALB<br>detected problem in ALB threads<br>detected problem in FPGA hardware<br>detected problem in SSL hardware<br>detected problem in L2/L3 ASIC hardware<br>detected problem in hardware<br>detected unexpected error |                                          | error message |        |
| a10Stat-kill                    | 175640385467449525 | Both Local and Remote                                                                                                                                                                                                                      | a10Stat killed process.                  | warning       | system |
| SYSLOG                          |                    |                                                                                                                                                                                                                                            |                                          |               |        |
| Format                          |                    | a10Stat killed process \$name:%s:.                                                                                                                                                                                                         |                                          |               |        |
| Example                         |                    | a10Stat killed process a10lb.                                                                                                                                                                                                              |                                          |               |        |
|                                 |                    |                                                                                                                                                                                                                                            |                                          |               |        |

| Variable                   | Type                                                            | Value                                                                                                                                                                                                                                      |                           | Description    |        |
|----------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|--------|
| name                       | String                                                          | {process_name}                                                                                                                                                                                                                             |                           | process name   |        |
| a10lb-failed               | 175640385467449477                                              | Both Local and Remote                                                                                                                                                                                                                      | a10lb failed              | error          | system |
| <b>SYSLOG</b>              |                                                                 |                                                                                                                                                                                                                                            |                           |                |        |
| Format                     | A10LB: failed \$value:%u: times in a row, \$state:%s:           |                                                                                                                                                                                                                                            |                           |                |        |
| Example                    | A10LB: failed 1 times in a row, lost connection to ALB          |                                                                                                                                                                                                                                            |                           |                |        |
| Variable                   | Type                                                            | Value                                                                                                                                                                                                                                      |                           | Description    |        |
| value                      | Unsigned Integer                                                | {invalid_option}                                                                                                                                                                                                                           |                           | invalid option |        |
| state                      | String                                                          | lost connection to ALB<br>detected problem in ALB threads<br>detected problem in FPGA hardware<br>detected problem in SSL hardware<br>detected problem in L2/L3 ASIC hardware<br>detected problem in hardware<br>detected unexpected error |                           | error message  |        |
| a10monitor-restart-failed  | 175640385467449452                                              | Both Local and Remote                                                                                                                                                                                                                      | a10monitor restart failed | error          | system |
| <b>SYSLOG</b>              |                                                                 |                                                                                                                                                                                                                                            |                           |                |        |
| Format                     | a10monitor restart FAILED                                       |                                                                                                                                                                                                                                            |                           |                |        |
| a10monitor-restart-process | 175640385467449447                                              | Both Local and Remote                                                                                                                                                                                                                      | process restart           | error          | system |
| <b>SYSLOG</b>              |                                                                 |                                                                                                                                                                                                                                            |                           |                |        |
| Format                     | RESTART of all the processes is in a10monitor using SIGHUP      |                                                                                                                                                                                                                                            |                           |                |        |
| a10monitor-start           | 175640385467449500                                              | Both Local and Remote                                                                                                                                                                                                                      | process failed            | error          | system |
| <b>SYSLOG</b>              |                                                                 |                                                                                                                                                                                                                                            |                           |                |        |
| Format                     | Process \$process:%s: seems to be hung. Trying to restart it... |                                                                                                                                                                                                                                            |                           |                |        |
| Example                    | Process a10lb seems to be hung. Trying to restart it...         |                                                                                                                                                                                                                                            |                           |                |        |
| Variable                   | Type                                                            | Value                                                                                                                                                                                                                                      |                           | Description    |        |
| process                    | String                                                          | {process_name}                                                                                                                                                                                                                             |                           | process name   |        |
|                            |                                                                 |                                                                                                                                                                                                                                            |                           |                |        |

| a10stat-allocate-mem-error  | 175640385467449470 | Both Local and Remote                                                            | allocate memory failed   | error       | system |
|-----------------------------|--------------------|----------------------------------------------------------------------------------|--------------------------|-------------|--------|
| SYSLOG                      |                    |                                                                                  |                          |             |        |
| Format                      |                    | Fail allocating memory for interface error Stats                                 |                          |             |        |
| a10stat-thread-create-error | 175640385467449471 | Both Local and Remote                                                            | thread create failed     | error       | system |
| SYSLOG                      |                    |                                                                                  |                          |             |        |
| Format                      |                    | The a10Stat intf monitor thread creation failed                                  |                          |             |        |
| a10timer-pid-fail           | 175640385467449529 | Both Local and Remote                                                            | Get a10timer pid failure | warning     | system |
| SYSLOG                      |                    |                                                                                  |                          |             |        |
| Format                      |                    | Get a10timer pid failure                                                         |                          |             |        |
| acos-reboot-failed          | 175640385467449361 | Both Local and Remote                                                            | ACOS reboot failed       | critical    | system |
| SYSLOG                      |                    |                                                                                  |                          |             |        |
| Format                      |                    | ACOS reboot failed                                                               |                          |             |        |
| acos-reboot-ready           | 175640385467449403 | Both Local and Remote                                                            | ACOS is ready to reboot  | critical    | system |
| SYSLOG                      |                    |                                                                                  |                          |             |        |
| Format                      |                    | ACOS is ready to reboot at \$time:%s:. Reason: \$reason:%s:.                     |                          |             |        |
| Example                     |                    | ACOS is ready to reboot at 02:00:00. Reason: Upgrade.                            |                          |             |        |
| Variable                    | Type               | Value                                                                            |                          | Description |        |
| time                        | String             | {time}                                                                           |                          | time        |        |
| reason                      | String             | Upgrade<br>Scheduled Reboot<br>System-Reset<br>VCS image synchronization<br>None |                          | reason      |        |
| acos-rebooting              | 175640385467449395 | Both Local and Remote                                                            | ACOS is rebooting        | critical    | system |
| SYSLOG                      |                    |                                                                                  |                          |             |        |

| Format               | ACOS is rebooting at \$time:%s:.                               |                                                                                  |                           |             |        |
|----------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------|-------------|--------|
| Example              | ACOS is rebooting at 02:00:00.                                 |                                                                                  |                           |             |        |
| Variable             | Type                                                           | Value                                                                            |                           | Description |        |
| time                 | String                                                         | {value}                                                                          |                           | value       |        |
| acos-shutdown-failed | 175640385467449359                                             | Both Local and Remote                                                            | ACOS shutdown failed      | critical    | system |
| SYSLOG               |                                                                |                                                                                  |                           |             |        |
| Format               | ACOS shutdown failed                                           |                                                                                  |                           |             |        |
| acos-shutdown-ready  | 175640385467449402                                             | Both Local and Remote                                                            | ACOS is ready to shutdown | critical    | system |
| SYSLOG               |                                                                |                                                                                  |                           |             |        |
| Format               | ACOS is ready to shutdown at \$time:%s:. Reason: \$reason:%s:. |                                                                                  |                           |             |        |
| Example              | ACOS is ready to shutdown at 02:00:00. Reason: Upgrade.        |                                                                                  |                           |             |        |
| Variable             | Type                                                           | Value                                                                            |                           | Description |        |
| time                 | String                                                         | {time}                                                                           |                           | time        |        |
| reason               | String                                                         | Upgrade<br>Scheduled Reboot<br>System-Reset<br>VCS image synchronization<br>None |                           | reason      |        |
| acos-shutting        | 175640385467449394                                             | Both Local and Remote                                                            | ACOS is shutting down     | critical    | system |
| SYSLOG               |                                                                |                                                                                  |                           |             |        |
| Format               | ACOS is shutting down at \$time:%s:.                           |                                                                                  |                           |             |        |
| Example              | ACOS is shutting down at 02:00:00.                             |                                                                                  |                           |             |        |
| Variable             | Type                                                           | Value                                                                            |                           | Description |        |
| time                 | String                                                         | {value}                                                                          |                           | value       |        |
| aflex-get-error      | 175640385467449481                                             | Both Local and Remote                                                            | file access failed        | error       | system |
| SYSLOG               |                                                                |                                                                                  |                           |             |        |



| Format           | Get aflex file name failed in partition \$state:%s:                            |                       |                                 |                |        |
|------------------|--------------------------------------------------------------------------------|-----------------------|---------------------------------|----------------|--------|
| Example          | Get aflex file name failed in partition shared                                 |                       |                                 |                |        |
| Variable         | Type                                                                           | Value                 |                                 | Description    |        |
| state            | String                                                                         | {partition_name}      |                                 | partition name |        |
| asm-api-config   | 175640385467449469                                                             | Both Local and Remote | api failed                      | error          | system |
| SYSLOG           |                                                                                |                       |                                 |                |        |
| Format           | asm_api_config_interface_cache_spoofing                                        |                       |                                 |                |        |
| audit-log-get    | 175640385467449407                                                             | Both Local and Remote | audit log get failure           | error          | system |
| SYSLOG           |                                                                                |                       |                                 |                |        |
| Format           | audit_log_get failed                                                           |                       |                                 |                |        |
| auth-failed      | 175640385467449508                                                             | Both Local and Remote | Authentication failed.          | warning        | system |
| SYSLOG           |                                                                                |                       |                                 |                |        |
| Format           | Authentication failed(user: \$name:%s:) Duplicated user login has been denied. |                       |                                 |                |        |
| Example          | Authentication failed(user: a10lb) Duplicated user login has been denied.      |                       |                                 |                |        |
| Variable         | Type                                                                           | Value                 |                                 | Description    |        |
| name             | String                                                                         | {user_name}           |                                 | user name      |        |
| blade-operation  | 175640385467449550                                                             | Both Local and Remote | Blade Went to Operational Phase | information    | system |
| SYSLOG           |                                                                                |                       |                                 |                |        |
| Format           | Blade Went to Operational Phase                                                |                       |                                 |                |        |
| cannot-open-file | 175640385467449515                                                             | Both Local and Remote | Cannot open alb status file     | warning        | system |
| SYSLOG           |                                                                                |                       |                                 |                |        |
| Format           | Cannot open \$name:%s: file                                                    |                       |                                 |                |        |
| Example          | Cannot open alb status file                                                    |                       |                                 |                |        |
| Variable         | Type                                                                           | Value                 |                                 | Description    |        |

|                       |                    |                                      |                                      |           |        |
|-----------------------|--------------------|--------------------------------------|--------------------------------------|-----------|--------|
| name                  | String             | {file_name}                          |                                      | file name |        |
| cannot-open-fpga-temp | 175640385467449524 | Both Local and Remote                | Open Fpga Temperature pipe failed    | warning   | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Open Fpga Temperature pipe failed    |                                      |           |        |
| cannot-set-sighup     | 175640385467449366 | Both Local and Remote                | Cannot set SIGHUP handling function  | critical  | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Cannot set SIGHUP handling function  |                                      |           |        |
| cannot-set-sigint     | 175640385467449368 | Both Local and Remote                | Cannot set SIGINT handling function  | critical  | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Cannot set SIGINT handling function  |                                      |           |        |
| cannot-set-sigpipe    | 175640385467449370 | Both Local and Remote                | Cannot set SIGPIPE handling function | critical  | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Cannot set SIGPIPE handling function |                                      |           |        |
| cannot-set-sigquit    | 175640385467449369 | Both Local and Remote                | Cannot set SIGQUIT handling function | critical  | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Cannot set SIGQUIT handling function |                                      |           |        |
| cannot-set-sigterm    | 175640385467449367 | Both Local and Remote                | Cannot set SIGTERM handling function | critical  | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Cannot set SIGTERM handling function |                                      |           |        |
| cannot-set-sigusr1    | 175640385467449371 | Both Local and Remote                | Cannot set SIGUSR1 handling function | critical  | system |
| <b>SYSLOG</b>         |                    |                                      |                                      |           |        |
| Format                |                    | Cannot set SIGUSR1 handling function |                                      |           |        |
|                       |                    |                                      |                                      |           |        |

| cannot-set-sigusr2             | 175640385467449372 | Both Local and Remote                      | Cannot set SIGUSR2 handling function | critical    | system |
|--------------------------------|--------------------|--------------------------------------------|--------------------------------------|-------------|--------|
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |
| Format                         |                    | Cannot set SIGUSR2 handling function       |                                      |             |        |
| cannot-state-port              | 175640385467449526 | Both Local and Remote                      | Failed to obtain port state.         | warning     | system |
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |
| Format                         |                    | Failed to obtain state of Port \$port:%d:. |                                      |             |        |
| Example                        |                    | Failed to obtain state of Port 1.          |                                      |             |        |
| Variable                       | Type               | Value                                      |                                      | Description |        |
| port                           | Integer            | {port_number}                              |                                      | port number |        |
| change-ser-port-fail           | 175640385467449532 | Both Local and Remote                      | Change service port failed.          | warning     | system |
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |
| Format                         |                    | Change service port failed.                |                                      |             |        |
| clear-core-failure             | 175640385467449409 | Both Local and Remote                      | clear core failed                    | error       | system |
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |
| Format                         |                    | Clear core dump files failure              |                                      |             |        |
| clear-dumpthread-failure       | 175640385467449410 | Both Local and Remote                      | clear dumpthread failed              | error       | system |
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |
| Format                         |                    | Clear dumpthread files failure             |                                      |             |        |
| cli-no-space-left              | 175640385467449418 | Both Local and Remote                      | disk is full                         | error       | system |
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |
| Format                         |                    | cli: No space left on device.              |                                      |             |        |
| copy-interface-mapping-failure | 175640385467449413 | Both Local and Remote                      | copy ipi file failed                 | error       | system |
| <b>SYSLOG</b>                  |                    |                                            |                                      |             |        |

|                        |                    |                                                                                       |                                                   |             |        |
|------------------------|--------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|-------------|--------|
| Format                 |                    | Copy temp ipi interface mapping file failure                                          |                                                   |             |        |
| core                   | 175640385467449349 | Both Local and Remote                                                                 | System core Configuration changed                 | information | system |
| SYSLOG                 |                    |                                                                                       |                                                   |             |        |
| Format                 |                    | System Core Configuration changed. Core index \$index:%s: is added to \$info:%s: list |                                                   |             |        |
| Example                |                    | System Core Configuration changed. Core index 3 is added to active list               |                                                   |             |        |
| Variable               | Type               | Value                                                                                 |                                                   | Description |        |
| index                  | String             | {core_index}                                                                          |                                                   | core index  |        |
| info                   | String             | active<br>black                                                                       |                                                   | port lists  |        |
| core-ht                | 175640385467449350 | Both Local and Remote                                                                 | System core hyper-threading Configuration changed | information | system |
| SYSLOG                 |                    |                                                                                       |                                                   |             |        |
| Format                 |                    | System Core HT Configuration changed. HyperThreading is \$info:%s:                    |                                                   |             |        |
| Example                |                    | System Core HT Configuration changed. HyperThreading is enabled                       |                                                   |             |        |
| Variable               | Type               | Value                                                                                 |                                                   | Description |        |
| info                   | String             | enabled<br>disabled                                                                   |                                                   | action      |        |
| couldnot-find-host     | 175640385467449442 | Both Local and Remote                                                                 | unknown host                                      | error       | system |
| SYSLOG                 |                    |                                                                                       |                                                   |             |        |
| Format                 |                    | Could not find the host.                                                              |                                                   |             |        |
| cpu-temperature-failed | 175640385467449521 | Both Local and Remote                                                                 | CPU temperature sw state change failed            | warning     | system |
| SYSLOG                 |                    |                                                                                       |                                                   |             |        |
| Format                 |                    | CPU temperature sw state change failed                                                |                                                   |             |        |
| cpu-used               | 175640385467449389 | Both Local and Remote                                                                 | The CPU has been used                             | critical    | system |
| SYSLOG                 |                    |                                                                                       |                                                   |             |        |

| Format                    | The CPU has been used \$cpu:%u:%           |                       |                                   |                |        |
|---------------------------|--------------------------------------------|-----------------------|-----------------------------------|----------------|--------|
| Example                   | The CPU has been used 10%                  |                       |                                   |                |        |
| Variable                  | Type                                       | Value                 |                                   | Description    |        |
| cpu                       | Unsigned Integer                           | {cpu_percentage}      |                                   | cpu percentage |        |
| cpulimit-err              | 175640385467449534                         | Both Local and Remote | gzip cpulimit process start error | warning        | system |
| SYSLOG                    |                                            |                       |                                   |                |        |
| Format                    | gzip cpulimit process start error          |                       |                                   |                |        |
| create-file-fail          | 175640385467449517                         | Both Local and Remote | Cannot create Intf data file      | warning        | system |
| SYSLOG                    |                                            |                       |                                   |                |        |
| Format                    | Cannot create \$name:%s: file              |                       |                                   |                |        |
| Example                   | Cannot create Intf data file               |                       |                                   |                |        |
| Variable                  | Type                                       | Value                 |                                   | Description    |        |
| name                      | String                                     | {file_name}           |                                   | file name      |        |
| crypto-board-access-error | 175640385467449480                         | Both Local and Remote | board is inaccessible             | error          | system |
| SYSLOG                    |                                            |                       |                                   |                |        |
| Format                    | Crypto board\$value:%u: is inaccessible.   |                       |                                   |                |        |
| Example                   | Crypto board1 is inaccessible.             |                       |                                   |                |        |
| Variable                  | Type                                       | Value                 |                                   | Description    |        |
| value                     | Unsigned Integer                           | {invalid_option}      |                                   | invalid option |        |
| ctrlcpu-init-error        | 175640385467449473                         | Both Local and Remote | memory init failed                | error          | system |
| SYSLOG                    |                                            |                       |                                   |                |        |
| Format                    | get_CtrlCpuInit mmap error: \$state:%s:.   |                       |                                   |                |        |
| Example                   | get_CtrlCpuInit mmap error: Out of memory. |                       |                                   |                |        |
| Variable                  | Type                                       | Value                 |                                   | Description    |        |

| state             | String                                                                                     | {errno_error_message_from_mmap} |                                        | errno error message from mmap |        |
|-------------------|--------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------|-------------------------------|--------|
| data-port         | 175640385467449348                                                                         | Both Local and Remote           | System data port Configuration changed | information                   | system |
| SYSLOG            |                                                                                            |                                 |                                        |                               |        |
| Format            | System data port Configuration changed. Port index \$index:%s: is added to \$info:%s: list |                                 |                                        |                               |        |
| Example           | System data port Configuration changed. Port index 3 is added to active list               |                                 |                                        |                               |        |
| Variable          | Type                                                                                       | Value                           |                                        | Description                   |        |
| index             | String                                                                                     | {port_index}                    |                                        | port index                    |        |
| info              | String                                                                                     | active<br>black                 |                                        | port lists                    |        |
| data-port-change  | 175640385467449352                                                                         | Both Local and Remote           | System data port index changed         | information                   | system |
| SYSLOG            |                                                                                            |                                 |                                        |                               |        |
| Format            | System data port Configuration changed. Port index \$index:%s: is changed to \$info:%d:.   |                                 |                                        |                               |        |
| Example           | System data port Configuration changed. Port index 3 is changed to 4.                      |                                 |                                        |                               |        |
| Variable          | Type                                                                                       | Value                           |                                        | Description                   |        |
| index             | String                                                                                     | {port_index}                    |                                        | port index                    |        |
| info              | Integer                                                                                    | {new_port_index}                |                                        | new port index                |        |
| db-init-failure   | 175640385467449373                                                                         | Both Local and Remote           | Init DB module failure                 | critical                      | system |
| SYSLOG            |                                                                                            |                                 |                                        |                               |        |
| Format            | Init DB module failure                                                                     |                                 |                                        |                               |        |
| db-module-failure | 175640385467449462                                                                         | Both Local and Remote           | module exit failure                    | error                         | system |
| SYSLOG            |                                                                                            |                                 |                                        |                               |        |
| Format            | Exit DB module failure                                                                     |                                 |                                        |                               |        |
| db-version-error  | 175640385467449518                                                                         | Both Local and Remote           | WARNING: DB version is unmatched       | warning                       | system |
| SYSLOG            |                                                                                            |                                 |                                        |                               |        |

|                         |                    |                                                          |                                                          |                  |        |
|-------------------------|--------------------|----------------------------------------------------------|----------------------------------------------------------|------------------|--------|
| Format                  |                    | WARNING: DB version is unmatched                         |                                                          |                  |        |
| debug-file-open-error   | 175640385467449456 | Both Local and Remote                                    | open file error                                          | error            | system |
| SYSLOG                  |                    |                                                          |                                                          |                  |        |
| Format                  |                    | Unable to open or process file for getting debug status  |                                                          |                  |        |
| disable-2x40            | 175640385467449580 | Both Local and Remote                                    | System will not support the 2x40g mode when rebooted     | notification     | system |
| SYSLOG                  |                    |                                                          |                                                          |                  |        |
| Format                  |                    | System will not support the 2x40g mode when rebooted     |                                                          |                  |        |
| disable-4x10            | 175640385467449578 | Both Local and Remote                                    | System will not support the 4x10g mode when rebooted     | notification     | system |
| SYSLOG                  |                    |                                                          |                                                          |                  |        |
| Format                  |                    | System will not support the 4x10g mode when rebooted     |                                                          |                  |        |
| disable-jumbo           | 175640385467449582 | Both Local and Remote                                    | System will not support the jumbo packets when rebooted. | notification     | system |
| SYSLOG                  |                    |                                                          |                                                          |                  |        |
| Format                  |                    | System will not support the jumbo packets when rebooted. |                                                          |                  |        |
| disk-used               | 175640385467449391 | Both Local and Remote                                    | The disk has been used                                   | critical         | system |
| SYSLOG                  |                    |                                                          |                                                          |                  |        |
| Format                  |                    | The disk has been used \$disk:%u:%                       |                                                          |                  |        |
| Example                 |                    | The disk has been used 90%                               |                                                          |                  |        |
| Variable                | Type               | Value                                                    |                                                          | Description      |        |
| disk                    | Unsigned Integer   | {usage_percentage}                                       |                                                          | usage percentage |        |
| dns-watch-reload-failed | 175640385467449463 | Both Local and Remote                                    | NTP error                                                | error            | system |
| SYSLOG                  |                    |                                                          |                                                          |                  |        |
| Format                  |                    | DNS Watch: failed to reload NTP configurations           |                                                          |                  |        |
| dns-watch-thread-failed | 175640385467449383 | Both Local and Remote                                    | Failed to start DNS watch thread                         | critical         | system |

|                                                                                                                                          |                    |                       |                                                  |                    |        |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|--------------------------------------------------|--------------------|--------|
| <b>SYSLOG</b>                                                                                                                            |                    |                       |                                                  |                    |        |
| Format                      Failed to get time sync conf                                                                                 |                    |                       |                                                  |                    |        |
| dns-watch-update-failed                                                                                                                  | 175640385467449464 | Both Local and Remote | NTP error                                        | error              | system |
| <b>SYSLOG</b>                                                                                                                            |                    |                       |                                                  |                    |        |
| Format                      DNS Watch: failed to update resolution results for NTP                                                       |                    |                       |                                                  |                    |        |
| eanbel-rr-cpu                                                                                                                            | 175640385467449514 | Both Local and Remote | Enabled round robin on packets to data CPU       | warning            | system |
| <b>SYSLOG</b>                                                                                                                            |                    |                       |                                                  |                    |        |
| Format                      Enabled round robin on packets to data CPU \$cpu:%u: due to usage over threshold and high packets-per-second |                    |                       |                                                  |                    |        |
| Example                      Enabled round robin on packets to data CPU 1 due to usage over threshold and high packets-per-second        |                    |                       |                                                  |                    |        |
| <b>Variable</b>                                                                                                                          | <b>Type</b>        | <b>Value</b>          |                                                  | <b>Description</b> |        |
| cpu                                                                                                                                      | Unsigned Integer   | {cpu_id}              |                                                  | cpu id             |        |
| egress-pps-drop-limit                                                                                                                    | 175640385467449598 | Both Local and Remote | Pkt drop due to Egress PPS limit                 | warning            | system |
| <b>SYSLOG</b>                                                                                                                            |                    |                       |                                                  |                    |        |
| Format                      Pkt drop due to Egress PPS limit = \$limit:%l:                                                               |                    |                       |                                                  |                    |        |
| Example                      Pkt drop due to Egress PPS limit = 10000                                                                    |                    |                       |                                                  |                    |        |
| <b>Variable</b>                                                                                                                          | <b>Type</b>        | <b>Value</b>          |                                                  | <b>Description</b> |        |
| limit                                                                                                                                    | Long               | {max_limit}           |                                                  | max limit          |        |
| enable-2x40                                                                                                                              | 175640385467449579 | Both Local and Remote | System will support the 2x40g mode when rebooted | notification       | system |
| <b>SYSLOG</b>                                                                                                                            |                    |                       |                                                  |                    |        |
| Format                      System will support the 2x40g mode when rebooted                                                             |                    |                       |                                                  |                    |        |
| enable-4x10                                                                                                                              | 175640385467449577 | Both Local and Remote | System will support the 4x10g mode when rebooted | notification       | system |
| <b>SYSLOG</b>                                                                                                                            |                    |                       |                                                  |                    |        |
| Format                      System will support the 4x10g mode when rebooted                                                             |                    |                       |                                                  |                    |        |



| enable-jumbo             | 175640385467449581                                         | Both Local and Remote | System will support the jumbo packets when rebooted. | notification | system |
|--------------------------|------------------------------------------------------------|-----------------------|------------------------------------------------------|--------------|--------|
| SYSLOG                   |                                                            |                       |                                                      |              |        |
| Format                   | System will support the jumbo packets when rebooted.       |                       |                                                      |              |        |
| epr-tool-error           | 175640385467449450                                         | Both Local and Remote | epr failed                                           | error        | system |
| SYSLOG                   |                                                            |                       |                                                      |              |        |
| Format                   | epr tool failed                                            |                       |                                                      |              |        |
| ethernet-exceed-error    | 175640385467449502                                         | Both Local and Remote | error exceed limit                                   | error        | system |
| SYSLOG                   |                                                            |                       |                                                      |              |        |
| Format                   | Error for ethernet\$value:%u: has exceeded \$limit:%u:     |                       |                                                      |              |        |
| Example                  | Error for ethernet1 has exceeded 1000                      |                       |                                                      |              |        |
| Variable                 | Type                                                       | Value                 |                                                      | Description  |        |
| value                    | Unsigned Integer                                           | {port_number}         |                                                      | port number  |        |
| limit                    | Unsigned Integer                                           | {limit}               |                                                      | limit        |        |
| ethernet-exceed-inq-drop | 175640385467449596                                         | Both Local and Remote | Ingress-Q exceed limit                               | error        | system |
| SYSLOG                   |                                                            |                       |                                                      |              |        |
| Format                   | Ingress-Q for ethernet\$value:%u: has exceeded \$limit:%u: |                       |                                                      |              |        |
| Example                  | Ingress-Q for ethernet1 has exceeded 100000                |                       |                                                      |              |        |
| Variable                 | Type                                                       | Value                 |                                                      | Description  |        |
| value                    | Unsigned Integer                                           | {port_number}         |                                                      | port number  |        |
| limit                    | Unsigned Integer                                           | {limit}               |                                                      | limit        |        |
| fail-getting-swo-buff    | 175640385467449586                                         | Both Local and Remote | Fail gettng swo_buff.                                | error        | system |
| SYSLOG                   |                                                            |                       |                                                      |              |        |
| Format                   | Thread \$thread:%d: fail getting swo_buff.                 |                       |                                                      |              |        |
| Example                  | Thread 10 fail getting swo_buff.                           |                       |                                                      |              |        |

| Variable           | Type                                                         | Value                                                                                                                                                                                                                                      |                                                    | Description   |        |
|--------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|--------|
| thread             | Integer                                                      | {thread}                                                                                                                                                                                                                                   |                                                    | thread        |        |
| failsafe-error     | 175640385467449475                                           | Both Local and Remote                                                                                                                                                                                                                      | failsafe error                                     | error         | system |
| <b>SYSLOG</b>      |                                                              |                                                                                                                                                                                                                                            |                                                    |               |        |
| Format             | FailSafe \$state:%s:.                                        |                                                                                                                                                                                                                                            |                                                    |               |        |
| Example            | FailSafe lost connection to ALB.                             |                                                                                                                                                                                                                                            |                                                    |               |        |
| Variable           | Type                                                         | Value                                                                                                                                                                                                                                      |                                                    | Description   |        |
| state              | String                                                       | lost connection to ALB<br>detected problem in ALB threads<br>detected problem in FPGA hardware<br>detected problem in SSL hardware<br>detected problem in L2/L3 ASIC hardware<br>detected problem in hardware<br>detected unexpected error |                                                    | error message |        |
| failsafe-ha-err    | 175640385467449511                                           | Both Local and Remote                                                                                                                                                                                                                      | Fail Safe HA Force Self Standby Status is Invalid. | warning       | system |
| <b>SYSLOG</b>      |                                                              |                                                                                                                                                                                                                                            |                                                    |               |        |
| Format             | Fail Safe HA Force Self Standby Status is Invalid.           |                                                                                                                                                                                                                                            |                                                    |               |        |
| failsafe-timeout   | 175640385467449512                                           | Both Local and Remote                                                                                                                                                                                                                      | Fail Safe action timeout.                          | warning       | system |
| <b>SYSLOG</b>      |                                                              |                                                                                                                                                                                                                                            |                                                    |               |        |
| Format             | Fail Safe action timeout.                                    |                                                                                                                                                                                                                                            |                                                    |               |        |
| failsafe-timestamp | 175640385467449504                                           | Both Local and Remote                                                                                                                                                                                                                      | print info                                         | error         | system |
| <b>SYSLOG</b>      |                                                              |                                                                                                                                                                                                                                            |                                                    |               |        |
| Format             | FailSafe timestamp \$time1:%s:, last update time \$time2:%s: |                                                                                                                                                                                                                                            |                                                    |               |        |
| Example            | FailSafe timestamp 0000, last update time 0001               |                                                                                                                                                                                                                                            |                                                    |               |        |
| Variable           | Type                                                         | Value                                                                                                                                                                                                                                      |                                                    | Description   |        |
| time1              | String                                                       | {time1}                                                                                                                                                                                                                                    |                                                    | time1         |        |
| time2              | String                                                       | {time2}                                                                                                                                                                                                                                    |                                                    | time2         |        |

| failsafe-vrrp-err                 | 175640385467449510 | Both Local and Remote                                                                                                                                                                                                   | Fail Safe VRRP-A Force Self Standby Status is Invalid. | warning             | system |
|-----------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|--------|
| <b>SYSLOG</b>                     |                    |                                                                                                                                                                                                                         |                                                        |                     |        |
| Format                            |                    | Fail Safe VRRP-A Force Self Standby Status is Invalid.                                                                                                                                                                  |                                                        |                     |        |
| fast-aging-disabled               | 175640385467449356 | Both Local and Remote                                                                                                                                                                                                   | disabling fast aging                                   | critical            | system |
| <b>SYSLOG</b>                     |                    |                                                                                                                                                                                                                         |                                                        |                     |        |
| Format                            |                    | Fast aging is disabled                                                                                                                                                                                                  |                                                        |                     |        |
| fast-aging-half-open-threshold    | 175640385467449591 | Both Local and Remote                                                                                                                                                                                                   | enabling fast aging for half open threshold reached    | critical            | system |
| <b>SYSLOG</b>                     |                    |                                                                                                                                                                                                                         |                                                        |                     |        |
| Format                            |                    | Fast aging is enabled, half open threshold is reached. Total half open:\$total_half_open:%u: Total session allocated:\$total_sessions:%u:                                                                               |                                                        |                     |        |
| Example                           |                    | Fast aging is enabled, half open threshold is reached. Total half open:1000 Total session allocated:200000                                                                                                              |                                                        |                     |        |
| Variable                          | Type               | Value                                                                                                                                                                                                                   |                                                        | Description         |        |
| total_half_open                   | Unsigned Integer   | 1000                                                                                                                                                                                                                    |                                                        | total_half_open     |        |
| total_sessions                    | Unsigned Integer   | 200000                                                                                                                                                                                                                  |                                                        | total_sessions      |        |
| fast-aging-memory-constraint      | 175640385467449593 | Both Local and Remote                                                                                                                                                                                                   | enabling fast aging for memory threshold reached       | critical            | system |
| <b>SYSLOG</b>                     |                    |                                                                                                                                                                                                                         |                                                        |                     |        |
| Format                            |                    | Fast aging is enabled, memory constraint is reached. MemAvailable \$proc_mem_avail:%u: + Pool Unused \$pool_unused:%u: = Total Usable Memory \$total_usable_memory:%u: KB, Fast Aging Threshold \$fast_aging_thr:%u: KB |                                                        |                     |        |
| Example                           |                    | Fast aging is enabled, memory constraint is reached. MemAvailable 3000000 + Pool Unused 3000000 = Total Usable Memory 3000000 KB, Fast Aging Threshold 3000000 KB                                                       |                                                        |                     |        |
| Variable                          | Type               | Value                                                                                                                                                                                                                   |                                                        | Description         |        |
| proc_mem_avail                    | Unsigned Integer   | 3000000                                                                                                                                                                                                                 |                                                        | proc_mem_avail      |        |
| pool_unused                       | Unsigned Integer   | 3000000                                                                                                                                                                                                                 |                                                        | pool_unused         |        |
| total_usable_memory               | Unsigned Integer   | 3000000                                                                                                                                                                                                                 |                                                        | total_usable_memory |        |
| fast_aging_thr                    | Unsigned Integer   | 3000000                                                                                                                                                                                                                 |                                                        | fast_aging_thr      |        |
| fast-aging-syn-check-on-threshold | 175640385467449592 | Both Local and Remote                                                                                                                                                                                                   | enabling fast aging for syn                            | critical            | system |

|                               |                                                                                                                                                                                                       | Remote                | check on threshold reached                                |                                  |        |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------|----------------------------------|--------|
| <b>SYSLOG</b>                 |                                                                                                                                                                                                       |                       |                                                           |                                  |        |
| Format                        | Fast aging is enabled, syn check on threshold reached. Total half open:\$total_half_open:%u: syn cookie enable threshold:\$fpga_syn_cookie_enable_threah:%u:                                          |                       |                                                           |                                  |        |
| Example                       | Fast aging is enabled, syn check on threshold reached. Total half open:1000 syn cookie enable threshold:2000                                                                                          |                       |                                                           |                                  |        |
| Variable                      | Type                                                                                                                                                                                                  | Value                 |                                                           | Description                      |        |
| total_half_open               | Unsigned Integer                                                                                                                                                                                      | 1000                  |                                                           | total_half_open                  |        |
| fpga_syn_cookie_enable_threah | Unsigned Integer                                                                                                                                                                                      | 2000                  |                                                           | FPGA syn cookie enable threshold |        |
| fast-aging-total-free-conn    | 175640385467449594                                                                                                                                                                                    | Both Local and Remote | enabling fast aging for total free conn threshold reached | critical                         | system |
| <b>SYSLOG</b>                 |                                                                                                                                                                                                       |                       |                                                           |                                  |        |
| Format                        | Fast aging is enabled, total free conn below threshold. Total free conn:\$total_free_conn:%u: total session allocated:\$total_sess_allocated:%u: total allowed session left:\$session_memory_left:%u: |                       |                                                           |                                  |        |
| Example                       | Fast aging is enabled, total free conn below threshold. Total free conn:1000 total session allocated:200000 total allowed session left:200000:                                                        |                       |                                                           |                                  |        |
| Variable                      | Type                                                                                                                                                                                                  | Value                 |                                                           | Description                      |        |
| total_free_conn               | Unsigned Integer                                                                                                                                                                                      | 1000                  |                                                           | total_free_conn                  |        |
| total_sess_allocated          | Unsigned Integer                                                                                                                                                                                      | 200000                |                                                           | total_sess_allocated             |        |
| session_memory_left           | Unsigned Integer                                                                                                                                                                                      | 200000:               |                                                           | session_memory_left              |        |
| fatal-error-access            | 175640385467449364                                                                                                                                                                                    | Both Local and Remote | Unknown Fatal error occurs                                | critical                         | system |
| <b>SYSLOG</b>                 |                                                                                                                                                                                                       |                       |                                                           |                                  |        |
| Format                        | Service [port=\$port:%s:, if=\$eth:%s:] access: unknown fatal error occurs                                                                                                                            |                       |                                                           |                                  |        |
| Example                       | Service [port=port 1, if=1] access: unknown fatal error occurs                                                                                                                                        |                       |                                                           |                                  |        |
| Variable                      | Type                                                                                                                                                                                                  | Value                 |                                                           | Description                      |        |
| port                          | String                                                                                                                                                                                                | {port_name}           |                                                           | port name                        |        |
| eth                           | String                                                                                                                                                                                                | {port_name}           |                                                           | port name                        |        |
| fips-notif                    | 175640385467449354                                                                                                                                                                                    | Both Local and Remote | zeroize FIPS card                                         | notification                     | system |
| <b>SYSLOG</b>                 |                                                                                                                                                                                                       |                       |                                                           |                                  |        |

| Format                       |                    | Zeroization command hit.                                   |                                  |                               |        |
|------------------------------|--------------------|------------------------------------------------------------|----------------------------------|-------------------------------|--------|
| fork-failed                  | 175640385467449474 | Both Local and Remote                                      | fork failed                      | error                         | system |
| SYSLOG                       |                    |                                                            |                                  |                               |        |
| Format                       |                    | fork failed: \$state:%s:                                   |                                  |                               |        |
| Example                      |                    | fork failed: Out of memory                                 |                                  |                               |        |
| Variable                     | Type               | Value                                                      |                                  | Description                   |        |
| state                        | String             | {errno_error_message_from_fork}                            |                                  | errno error message from fork |        |
| get-license-bad-code         | 175640385467449417 | Both Local and Remote                                      | error code when getting license  | error                         | system |
| SYSLOG                       |                    |                                                            |                                  |                               |        |
| Format                       |                    | Unable to get license information due to bad return code.  |                                  |                               |        |
| get-license-send-failure     | 175640385467449415 | Both Local and Remote                                      | send license message failed      | error                         | system |
| SYSLOG                       |                    |                                                            |                                  |                               |        |
| Format                       |                    | Unable to get license information due to send failure.     |                                  |                               |        |
| get-license-wrong-msg-length | 175640385467449416 | Both Local and Remote                                      | license msg length is incorrect  | error                         | system |
| SYSLOG                       |                    |                                                            |                                  |                               |        |
| Format                       |                    | Unable to get license information due to wrong msg length. |                                  |                               |        |
| greater-than-threshold       | 175640385467449387 | Both Local and Remote                                      | System is greater than threshold | critical                      | system |
| SYSLOG                       |                    |                                                            |                                  |                               |        |
| Format                       |                    | sensor: \$name:%s: is greater than \$line:%s:              |                                  |                               |        |
| Example                      |                    | sensor: temp1 is greater than 100                          |                                  |                               |        |
| Variable                     | Type               | Value                                                      |                                  | Description                   |        |
| name                         | String             | {sensor_name}                                              |                                  | sensor name                   |        |
| line                         | String             | {threshold}                                                |                                  | threshold                     |        |
|                              |                    |                                                            |                                  |                               |        |

| hdd-storage-limit | 175640385467449385 | Both Local and Remote                                                          | Hard Drive may have reached its storage limit | critical    | system |
|-------------------|--------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------|--------|
| SYSLOG            |                    |                                                                                |                                               |             |        |
| Format            |                    | Hard Drive may have reached its storage limit                                  |                                               |             |        |
| health-err-count  | 175640385467449585 | Both Local and Remote                                                          | IO_CHAN Health Error Count.                   | warning     | system |
| SYSLOG            |                    |                                                                                |                                               |             |        |
| Format            |                    | Thread \$thread:%d: Rx: io_chan \$iochan:%d:, health err count \$errcount:%d:. |                                               |             |        |
| Example           |                    | Thread 10 Rx: io_chan 1, health err count 100.                                 |                                               |             |        |
| Variable          | Type               | Value                                                                          |                                               | Description |        |
| thread            | Integer            | {thread}                                                                       |                                               | thread      |        |
| iochan            | Integer            | {io_chan}                                                                      |                                               | io_chan     |        |
| errcount          | Integer            | {err_count}                                                                    |                                               | err_count   |        |
| health-rx-count   | 175640385467449584 | Both Local and Remote                                                          | IO_CHAN Health RX Count.                      | warning     | system |
| SYSLOG            |                    |                                                                                |                                               |             |        |
| Format            |                    | Thread \$thread:%d: Rx: io_chan \$iochan:%d:, health rx count \$rxcount:%d:.   |                                               |             |        |
| Example           |                    | Thread 10 Rx: io_chan 1, health rx count 100.                                  |                                               |             |        |
| Variable          | Type               | Value                                                                          |                                               | Description |        |
| thread            | Integer            | {thread}                                                                       |                                               | thread      |        |
| iochan            | Integer            | {io_chan}                                                                      |                                               | io_chan     |        |
| rxcount           | Integer            | {rx_count}                                                                     |                                               | rx_count    |        |
| health-tx-count   | 175640385467449587 | Both Local and Remote                                                          | IO_CHAN Health TX Count.                      | warning     | system |
| SYSLOG            |                    |                                                                                |                                               |             |        |
| Format            |                    | Thread \$thread:%d: Tx: io_chan \$iochan:%d:, health tx count \$txcount:%d:.   |                                               |             |        |
| Example           |                    | Thread 10 Tx: io_chan 1, health tx count 100.                                  |                                               |             |        |
| Variable          | Type               | Value                                                                          |                                               | Description |        |

| thread             | Integer                                                                               | {thread}                                                                                                                                                                                                                                   | thread                         |               |        |
|--------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|--------|
| iochan             | Integer                                                                               | {io_chan}                                                                                                                                                                                                                                  | io_chan                        |               |        |
| txcount            | Integer                                                                               | {tx_count}                                                                                                                                                                                                                                 | tx_count                       |               |        |
| heartbeat-timeout  | 175640385467449569                                                                    | Both Local and Remote                                                                                                                                                                                                                      | There is a HeartBeat timeout . | notification  | system |
| SYSLOG             |                                                                                       |                                                                                                                                                                                                                                            |                                |               |        |
| Format             | There is a HeartBeat timeout and system will be rebooted.                             |                                                                                                                                                                                                                                            |                                |               |        |
| hmon-failed-times  | 175640385467449498                                                                    | Both Local and Remote                                                                                                                                                                                                                      | hmon failed                    | error         | system |
| SYSLOG             |                                                                                       |                                                                                                                                                                                                                                            |                                |               |        |
| Format             | \$process:%s: failed \$value:%d: times in the last \$minute:%d: minutes, \$state:%s:. |                                                                                                                                                                                                                                            |                                |               |        |
| Example            | a10lb failed 1 times in the last 1 minutes, lost connection to ALB.                   |                                                                                                                                                                                                                                            |                                |               |        |
| Variable           | Type                                                                                  | Value                                                                                                                                                                                                                                      |                                | Description   |        |
| process            | String                                                                                | {process_name}                                                                                                                                                                                                                             |                                | process name  |        |
| value              | Integer                                                                               | {failed_times}                                                                                                                                                                                                                             |                                | failed times  |        |
| minute             | Integer                                                                               | {minutes}                                                                                                                                                                                                                                  |                                | minutes       |        |
| state              | String                                                                                | lost connection to ALB<br>detected problem in ALB threads<br>detected problem in FPGA hardware<br>detected problem in SSL hardware<br>detected problem in L2/L3 ASIC hardware<br>detected problem in hardware<br>detected unexpected error |                                | error message |        |
| hmon-thread-failed | 175640385467449476                                                                    | Both Local and Remote                                                                                                                                                                                                                      | hmon error                     | error         | system |
| SYSLOG             |                                                                                       |                                                                                                                                                                                                                                            |                                |               |        |
| Format             | Failed in thread \$state:%s:                                                          |                                                                                                                                                                                                                                            |                                |               |        |
| Example            | Failed in thread 0x01                                                                 |                                                                                                                                                                                                                                            |                                |               |        |
| Variable           | Type                                                                                  | Value                                                                                                                                                                                                                                      |                                | Description   |        |
| state              | String                                                                                | {thread_status}                                                                                                                                                                                                                            |                                | thread status |        |
|                    |                                                                                       | Both Local and                                                                                                                                                                                                                             | System will Deep HRXQ when     |               |        |

| hrxq-change             | 175640385467449571                                         | Remote                | rebooted/reloaded                         | notification | system |
|-------------------------|------------------------------------------------------------|-----------------------|-------------------------------------------|--------------|--------|
| <b>SYSLOG</b>           |                                                            |                       |                                           |              |        |
| Format                  | System will \$name:%s: Deep HRXQ when rebooted/reloaded    |                       |                                           |              |        |
| Example                 | System will enable Deep HRXQ when rebooted/reloaded        |                       |                                           |              |        |
| Variable                | Type                                                       | Value                 |                                           | Description  |        |
| name                    | String                                                     | enable<br>disable     |                                           | action       |        |
| idt-switch-reset        | 175640385467449478                                         | Both Local and Remote | disk is full                              | error        | system |
| <b>SYSLOG</b>           |                                                            |                       |                                           |              |        |
| Format                  | IDT switch is reset and PCI-E config space is not restored |                       |                                           |              |        |
| ingress-pps-drop-limit  | 175640385467449597                                         | Both Local and Remote | Pkt drop due to Ingress PPS limit         | warning      | system |
| <b>SYSLOG</b>           |                                                            |                       |                                           |              |        |
| Format                  | Pkt drop due to Ingress PPS limit = \$limit:%l:            |                       |                                           |              |        |
| Example                 | Pkt drop due to Ingress PPS limit = 10000                  |                       |                                           |              |        |
| Variable                | Type                                                       | Value                 |                                           | Description  |        |
| limit                   | Long                                                       | {max_limit}           |                                           | max limit    |        |
| init-cli-config-failure | 175640385467449378                                         | Both Local and Remote | Init CLI config failure                   | critical     | system |
| <b>SYSLOG</b>           |                                                            |                       |                                           |              |        |
| Format                  | Init CLI config failure                                    |                       |                                           |              |        |
| init-dns-failure        | 175640385467449377                                         | Both Local and Remote | Init DNS of sysutil module failure        | critical     | system |
| <b>SYSLOG</b>           |                                                            |                       |                                           |              |        |
| Format                  | Init DNS of sysutil module failure                         |                       |                                           |              |        |
| init-interface-failure  | 175640385467449365                                         | Both Local and Remote | Init interface of sysutil module failure. | critical     | system |
| <b>SYSLOG</b>           |                                                            |                       |                                           |              |        |



|                             |                    |                                                       |                                            |          |        |
|-----------------------------|--------------------|-------------------------------------------------------|--------------------------------------------|----------|--------|
| Format                      |                    | Init interface of sysutil module failure.             |                                            |          |        |
| init-mgmt-config-failure    | 175640385467449376 | Both Local and Remote                                 | Init mgmt config of sysutil module failure | critical | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Init mgmt config of sysutil module failure            |                                            |          |        |
| init-monitor-config-failure | 175640385467449380 | Both Local and Remote                                 | Init monitor config failure                | critical | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Init monitor config failure                           |                                            |          |        |
| init-netutil-config-failure | 175640385467449379 | Both Local and Remote                                 | Init Netutil config failure                | critical | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Init Netutil config failure                           |                                            |          |        |
| init-raid-config-failure    | 175640385467449375 | Both Local and Remote                                 | Init raid config of sysutil module failure | critical | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Init raid config of sysutil module failure            |                                            |          |        |
| init-task-table-failure     | 175640385467449381 | Both Local and Remote                                 | Init task table failure                    | critical | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Init task table failure                               |                                            |          |        |
| init-time-config-failure    | 175640385467449374 | Both Local and Remote                                 | Init time config of sysutil module failure | critical | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Init raid config of sysutil module failure            |                                            |          |        |
| invalid-io-chan             | 175640385467449583 | Both Local and Remote                                 | Invalid IO_CHAN.                           | error    | system |
| SYSLOG                      |                    |                                                       |                                            |          |        |
| Format                      |                    | Thread \$thread:%d: Rx: invalid io_chan \$iochan:%d:. |                                            |          |        |

| Example                 |                    | Thread 10 Rx: invalid io_chan 1.                                  |                                      |                |        |
|-------------------------|--------------------|-------------------------------------------------------------------|--------------------------------------|----------------|--------|
| Variable                | Type               | Value                                                             |                                      | Description    |        |
| thread                  | Integer            | {thread}                                                          |                                      | thread         |        |
| iochan                  | Integer            | {io_chan}                                                         |                                      | io_chan        |        |
| invalid-msg             | 175640385467449568 | Both Local and Remote                                             | Invalid of arguments for msg_type    | warning        | system |
| SYSLOG                  |                    |                                                                   |                                      |                |        |
| Format                  |                    | Invalid number of arguments \$num:%d: for msg_type \$type:%d:     |                                      |                |        |
| Example                 |                    | Invalid number of arguments 2 for msg_type 2000                   |                                      |                |        |
| Variable                | Type               | Value                                                             |                                      | Description    |        |
| num                     | Integer            | {argument_num}                                                    |                                      | argument num   |        |
| type                    | Integer            | {msg_type}                                                        |                                      | msg type       |        |
| invalid-option          | 175640385467449472 | Both Local and Remote                                             | invalid option                       | error          | system |
| SYSLOG                  |                    |                                                                   |                                      |                |        |
| Format                  |                    | invalid option (\$value:%u:)                                      |                                      |                |        |
| Example                 |                    | invalid option (1)                                                |                                      |                |        |
| Variable                | Type               | Value                                                             |                                      | Description    |        |
| value                   | Unsigned Integer   | {invalid_option}                                                  |                                      | invalid option |        |
| invalid-username-length | 175640385467449468 | Both Local and Remote                                             | ipassword failure                    | error          | system |
| SYSLOG                  |                    |                                                                   |                                      |                |        |
| Format                  |                    | Invalid username length                                           |                                      |                |        |
| io-core                 | 175640385467449351 | Both Local and Remote                                             | System IO core Configuration changed | information    | system |
| SYSLOG                  |                    |                                                                   |                                      |                |        |
| Format                  |                    | System IO Core Configuration changed. IO Core is set to \$num:%d: |                                      |                |        |
| Example                 |                    | System IO Core Configuration changed. IO Core is set to 4         |                                      |                |        |
|                         |                    |                                                                   |                                      |                |        |

| Variable                  | Type                                                         | Value                 |                                          | Description    |        |
|---------------------------|--------------------------------------------------------------|-----------------------|------------------------------------------|----------------|--------|
| num                       | Integer                                                      | 4                     |                                          | io core number |        |
| ip-got-dhcp               | 175640385467449540                                           | Both Local and Remote | A lease IP is gotten from DHCP server    | information    | system |
| SYSLOG                    |                                                              |                       |                                          |                |        |
| Format                    | A lease IP of \$s1:%s: is gotten from DHCP server \$s2:%s:   |                       |                                          |                |        |
| Example                   | A lease IP of 1.1.1.1 is gotten from DHCP server a.com       |                       |                                          |                |        |
| Variable                  | Type                                                         | Value                 |                                          | Description    |        |
| s1                        | String                                                       | {ip_adress}           |                                          | ip adress      |        |
| s2                        | String                                                       | {server}              |                                          | server         |        |
| ip-renew-dhcp             | 175640385467449541                                           | Both Local and Remote | A lease IP is renewed                    | information    | system |
| SYSLOG                    |                                                              |                       |                                          |                |        |
| Format                    | A lease IP of \$s1:%s: is renewed from DHCP server \$s2:%s:. |                       |                                          |                |        |
| Example                   | A lease IP of 1.1.1.1 is renewed from DHCP server 1.1.1.1.   |                       |                                          |                |        |
| Variable                  | Type                                                         | Value                 |                                          | Description    |        |
| s1                        | String                                                       | {ip_adress}           |                                          | ip adress      |        |
| s2                        | String                                                       | {ip_adress}           |                                          | ip adress      |        |
| lb-process-dead-rebooting | 175640385467449393                                           | Both Local and Remote | LB process not responding. Rebooting AX. | critical       | system |
| SYSLOG                    |                                                              |                       |                                          |                |        |
| Format                    | LB process not responding. Rebooting AX.                     |                       |                                          |                |        |
| link-startup-config       | 175640385467449533                                           | Both Local and Remote | Link startup-config to profil            | information    | system |
| SYSLOG                    |                                                              |                       |                                          |                |        |
| Format                    | Link \$s1:%s: startup-config to profile \$s2:%s:             |                       |                                          |                |        |
| Example                   | Link primary startup-config to profile my-config             |                       |                                          |                |        |
| Variable                  | Type                                                         | Value                 |                                          | Description    |        |

| s1                   | String                                       | {file_name}           | file name                                   |              |        |
|----------------------|----------------------------------------------|-----------------------|---------------------------------------------|--------------|--------|
| s2                   | String                                       | {file_name}           | file name                                   |              |        |
| log-rotate-fail      | 175640385467449561                           | Both Local and Remote | Fail to rotate logs to save disk space      | warning      | system |
| SYSLOG               |                                              |                       |                                             |              |        |
| Format               | Fail to rotate logs to save disk space       |                       |                                             |              |        |
| lower-than-threshold | 175640385467449388                           | Both Local and Remote | System is lesser than threshold             | critical     | system |
| SYSLOG               |                                              |                       |                                             |              |        |
| Format               | sensor: \$name:%s: is lesser than \$line:%s: |                       |                                             |              |        |
| Example              | sensor: temp1 is lesser than 10              |                       |                                             |              |        |
| Variable             | Type                                         | Value                 |                                             | Description  |        |
| name                 | String                                       | {sensor_name}         |                                             | sensor name  |        |
| line                 | String                                       | {threshold}           |                                             | threshold    |        |
| malloc-fail-env      | 175640385467449523                           | Both Local and Remote | Cannot malloc                               | warning      | system |
| SYSLOG               |                                              |                       |                                             |              |        |
| Format               | \$name:%s: Cannot malloc \$err:%d:           |                       |                                             |              |        |
| Example              | MonEnv Cannot malloc 1024                    |                       |                                             |              |        |
| Variable             | Type                                         | Value                 |                                             | Description  |        |
| name                 | String                                       | {process_name}        |                                             | process name |        |
| err                  | Integer                                      | {size}                |                                             | size         |        |
| many-ports           | 175640385467449543                           | Both Local and Remote | Too many ports were specified.              | information  | system |
| SYSLOG               |                                              |                       |                                             |              |        |
| Format               | Too many ports were specified.               |                       |                                             |              |        |
| many-proxy-ports     | 175640385467449542                           | Both Local and Remote | Too many radius proxy ports were specified. | information  | system |
| SYSLOG               |                                              |                       |                                             |              |        |

|                                                                                                                                             |                    |                       |                                                        |              |        |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|--------------------------------------------------------|--------------|--------|
| Format                                      Too many radius proxy ports were specified.                                                     |                    |                       |                                                        |              |        |
| many-serv-ports                                                                                                                             | 175640385467449544 | Both Local and Remote | Too many service ports were specified.                 | information  | system |
| SYSLOG                                                                                                                                      |                    |                       |                                                        |              |        |
| Format                                      Too many service ports were specified.                                                          |                    |                       |                                                        |              |        |
| master-operation                                                                                                                            | 175640385467449549 | Both Local and Remote | Master Went to Operational Phase                       | information  | system |
| SYSLOG                                                                                                                                      |                    |                       |                                                        |              |        |
| Format                                      Master Went to Operational Phase                                                                |                    |                       |                                                        |              |        |
| memory-used                                                                                                                                 | 175640385467449390 | Both Local and Remote | The memory has been used                               | critical     | system |
| SYSLOG                                                                                                                                      |                    |                       |                                                        |              |        |
| Format                                      The memory has been used \$mem:%u:%                                                             |                    |                       |                                                        |              |        |
| Example                                      The memory has been used 85%                                                                   |                    |                       |                                                        |              |        |
| Variable                                                                                                                                    | Type               | Value                 |                                                        | Description  |        |
| mem                                                                                                                                         | Unsigned Integer   | {value}               |                                                        | value        |        |
| mgmt-drop                                                                                                                                   | 175640385467449574 | Both Local and Remote | Broadcast packets on mgmt port exceeded the rate limit | notification | system |
| SYSLOG                                                                                                                                      |                    |                       |                                                        |              |        |
| Format                                      Broadcast packets on mgmt port exceeded the rate limit. The total packets dropped is \$num:%l:  |                    |                       |                                                        |              |        |
| Example                                      Broadcast packets on mgmt port exceeded the rate limit. The total packets dropped is 2000      |                    |                       |                                                        |              |        |
| Variable                                                                                                                                    | Type               | Value                 |                                                        | Description  |        |
| num                                                                                                                                         | Long               | {drop_num}            |                                                        | drop num     |        |
| mgmt-port                                                                                                                                   | 175640385467449346 | Both Local and Remote | System management port Configuration changed           | information  | system |
| SYSLOG                                                                                                                                      |                    |                       |                                                        |              |        |
| Format                                      System management port Configuration changed. New management port \$attribute:%s: is \$info:%s: |                    |                       |                                                        |              |        |
| Example                                      System management port Configuration changed. New management port pci-address is 2             |                    |                       |                                                        |              |        |
|                                                                                                                                             |                    |                       |                                                        |              |        |

| Variable              | Type                                                                                                | Value                               |                                        | Description               |        |
|-----------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------------|--------|
| attribute             | String                                                                                              | pci-address<br>mac-address<br>index |                                        | management port attribute |        |
| info                  | String                                                                                              | {new_attribute}                     |                                        | new attribute             |        |
| mgmt-reset-drop       | 175640385467449576                                                                                  | Both Local and Remote               | dropped broadcast mgmt was reset.      | notification              | system |
| <b>SYSLOG</b>         |                                                                                                     |                                     |                                        |                           |        |
| Format                | The counter of dropped broadcast packets on mgmt was reset. The newly dropped packets is \$num:%l:. |                                     |                                        |                           |        |
| Example               | The counter of dropped broadcast packets on mgmt was reset. The newly dropped packets is 2000.      |                                     |                                        |                           |        |
| Variable              | Type                                                                                                | Value                               |                                        | Description               |        |
| num                   | Long                                                                                                | {drop_num}                          |                                        | drop num                  |        |
| mgmt-zero-drop        | 175640385467449575                                                                                  | Both Local and Remote               | dropped broadcast mgmt was reset to 0. | notification              | system |
| <b>SYSLOG</b>         |                                                                                                     |                                     |                                        |                           |        |
| Format                | The counter of dropped broadcast packets on mgmt was reset. New value is 0.                         |                                     |                                        |                           |        |
| missed-health-packets | 175640385467449588                                                                                  | Both Local and Remote               | FPGA channel missed health packets.    | error                     | system |
| <b>SYSLOG</b>         |                                                                                                     |                                     |                                        |                           |        |
| Format                | FPGA channel \$channel:%d: missed \$packets:%d: health packets in \$seconds:%l: seconds.            |                                     |                                        |                           |        |
| Example               | FPGA channel 10 missed 100 health packets in 1000 seconds.                                          |                                     |                                        |                           |        |
| Variable              | Type                                                                                                | Value                               |                                        | Description               |        |
| channel               | Integer                                                                                             | {channel}                           |                                        | channel                   |        |
| packets               | Integer                                                                                             | {packets}                           |                                        | packets                   |        |
| seconds               | Long                                                                                                | {seconds}                           |                                        | seconds                   |        |
| mmap-fail             | 175640385467449519                                                                                  | Both Local and Remote               | mmap file                              | warning                   | system |
| <b>SYSLOG</b>         |                                                                                                     |                                     |                                        |                           |        |
| Format                | \$name:%s: mmap file Errno \$err:%d:                                                                |                                     |                                        |                           |        |

| Example             |                    | MonIntfStats mmap file Errno -1                                                                                     |                     |              |        |
|---------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|---------------------|--------------|--------|
| Variable            | Type               | Value                                                                                                               |                     | Description  |        |
| name                | String             | {file_name}                                                                                                         |                     | file name    |        |
| err                 | Integer            | {error_number}                                                                                                      |                     | error number |        |
| mon-hw-fan-fail     | 175640385467449396 | Both Local and Remote                                                                                               | FAN Failed          | critical     | system |
| SYSLOG              |                    |                                                                                                                     |                     |              |        |
| Format              |                    | \$name:%s: \$status:%s:. Current value is \$val:%d:.                                                                |                     |              |        |
| Example             |                    | FAN1 not tested. Current value is 85.                                                                               |                     |              |        |
| Variable            | Type               | Value                                                                                                               |                     | Description  |        |
| name                | String             | {name}                                                                                                              |                     | name         |        |
| status              | String             | not tested<br>OK<br>over threshold limit<br>under threshold limit<br>out of the 7% volate range<br>unexpected error |                     | status       |        |
| val                 | Integer            | {value}                                                                                                             |                     | value        |        |
| mon-hw-power-status | 175640385467449399 | Both Local and Remote                                                                                               | SYSTEM Power Status | critical     | system |
| SYSLOG              |                    |                                                                                                                     |                     |              |        |
| Format              |                    | \$name:%s: \$status:%s:. Current value is \$val:%d:.                                                                |                     |              |        |
| Example             |                    | POWER1 OK. Current value is 2.                                                                                      |                     |              |        |
| Variable            | Type               | Value                                                                                                               |                     | Description  |        |
| name                | String             | {name}                                                                                                              |                     | name         |        |
| status              | String             | OK<br>over threshold limit<br>under threshold limit<br>out of the 7% volate range<br>unexpected error               |                     | name         |        |
| val                 | Integer            | {name}                                                                                                              |                     | name         |        |
|                     |                    | Both Local and                                                                                                      |                     |              |        |

|                      |                                                                                        |                                                                                                                     |                                 |             |        |
|----------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------|--------|
| mon-hw-power-voltage | 175640385467449400                                                                     | Remote                                                                                                              | SYSTEM Power Voltage            | critical    | system |
| SYSLOG               |                                                                                        |                                                                                                                     |                                 |             |        |
| Format               | \$name:%s: \$status:%s:. Current value is \$val:%d:.                                   |                                                                                                                     |                                 |             |        |
| Example              | POWER1 OK. Current value is 5.                                                         |                                                                                                                     |                                 |             |        |
| Variable             | Type                                                                                   | Value                                                                                                               |                                 | Description |        |
| name                 | String                                                                                 | {name}                                                                                                              |                                 | name        |        |
| status               | String                                                                                 | OK<br>over threshold limit<br>under threshold limit<br>out of the 7% volate range<br>unexpected error               |                                 | name        |        |
| val                  | Integer                                                                                | {value}                                                                                                             |                                 | value       |        |
| mon-hw-sys-temp      | 175640385467449397                                                                     | Both Local and Remote                                                                                               | SYSTEM Temperature Out Of Range | critical    | system |
| SYSLOG               |                                                                                        |                                                                                                                     |                                 |             |        |
| Format               | \$name:%s: \$status:%s:. Current value \$val:%d:, allowed range [\$min:%d:, \$max:%d:] |                                                                                                                     |                                 |             |        |
| Example              | FAN1 not tested. Current value 85, allowed range [5, 50]                               |                                                                                                                     |                                 |             |        |
| Variable             | Type                                                                                   | Value                                                                                                               |                                 | Description |        |
| name                 | String                                                                                 | {name}                                                                                                              |                                 | name        |        |
| status               | String                                                                                 | not tested<br>OK<br>over threshold limit<br>under threshold limit<br>out of the 7% volate range<br>unexpected error |                                 | status      |        |
| val                  | Integer                                                                                | {value}                                                                                                             |                                 | value       |        |
| min                  | Integer                                                                                | {value}                                                                                                             |                                 | value       |        |
| max                  | Integer                                                                                | {value}                                                                                                             |                                 | value       |        |
| mon-hw-treshold      | 175640385467449398                                                                     | Both Local and Remote                                                                                               | SYSTEM Value Over Threshold     | critical    | system |
| SYSLOG               |                                                                                        |                                                                                                                     |                                 |             |        |



| Format               |                    | \$name:%s: \$status:%s:. Current value is \$val:%d:.                                                                |                                         |             |        |
|----------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------|--------|
| Example              |                    | FAN1 not tested. Current value is 85.                                                                               |                                         |             |        |
| Variable             | Type               | Value                                                                                                               |                                         | Description |        |
| name                 | String             | {name}                                                                                                              |                                         | name        |        |
| status               | String             | not tested<br>OK<br>over threshold limit<br>under threshold limit<br>out of the 7% volate range<br>unexpected error |                                         | status      |        |
| val                  | Integer            | {value}                                                                                                             |                                         | value       |        |
| mon-process          | 175640385467449551 | Both Local and Remote                                                                                               | System monitor process started/stopped. | information | system |
| SYSLOG               |                    |                                                                                                                     |                                         |             |        |
| Format               |                    | System monitor process \$s1:%s:.                                                                                    |                                         |             |        |
| Example              |                    | System monitor process started.                                                                                     |                                         |             |        |
| Variable             | Type               | Value                                                                                                               |                                         | Description |        |
| s1                   | String             | started<br>stopped                                                                                                  |                                         | action      |        |
| mon_hw_mon_threshold | 175640385467449392 | Both Local and Remote                                                                                               | SYSTEM Monitoring Treshold              | critical    | system |
| SYSLOG               |                    |                                                                                                                     |                                         |             |        |
| Format               |                    | \$name:%s: \$status:%s:. Current value is \$val:%d:.                                                                |                                         |             |        |
| Example              |                    | FAN1 not tested. Current value is 85.                                                                               |                                         |             |        |
| Variable             | Type               | Value                                                                                                               |                                         | Description |        |
| name                 | String             | {name}                                                                                                              |                                         | name        |        |
| status               | String             | not tested<br>OK<br>over threshold limit<br>under threshold limit<br>out of the 7% volate range<br>unexpected error |                                         | status      |        |
| val                  | Integer            | {value}                                                                                                             |                                         | value       |        |

| no-ip-address     | 175640385467449443                      | Both Local and Remote | missing ip address                    | error       | system |
|-------------------|-----------------------------------------|-----------------------|---------------------------------------|-------------|--------|
| SYSLOG            |                                         |                       |                                       |             |        |
| Format            | No IP address                           |                       |                                       |             |        |
| no-self           | 175640385467449535                      | Both Local and Remote | Do not self                           | information | system |
| SYSLOG            |                                         |                       |                                       |             |        |
| Format            | Do not \$s1:%s: self (\$d1:%d:)         |                       |                                       |             |        |
| Example           | Do not reboot self (1)                  |                       |                                       |             |        |
| Variable          | Type                                    | Value                 |                                       | Description |        |
| s1                | String                                  | {file_name}           |                                       | file name   |        |
| d1                | Integer                                 | {file_name}           |                                       | file name   |        |
| no-serv-ports     | 175640385467449545                      | Both Local and Remote | None of service ports were specified. | information | system |
| SYSLOG            |                                         |                       |                                       |             |        |
| Format            | None of service ports were specified.   |                       |                                       |             |        |
| ntp-not-reachable | 175640385467449496                      | Both Local and Remote | ntp failed                            | error       | system |
| SYSLOG            |                                         |                       |                                       |             |        |
| Format            | NTP server \$state:%s: is not reachable |                       |                                       |             |        |
| Example           | NTP server example.com is not reachable |                       |                                       |             |        |
| Variable          | Type                                    | Value                 |                                       | Description |        |
| state             | String                                  | {server_name}         |                                       | server name |        |
| ntp-polling       | 175640385467449559                      | Both Local and Remote | NTP server is in polling state        | information | system |
| SYSLOG            |                                         |                       |                                       |             |        |
| Format            | NTP server \$s1:%s: is in polling state |                       |                                       |             |        |
| Example           | NTP server 1.1.1.1 is in polling state  |                       |                                       |             |        |
|                   |                                         |                       |                                       |             |        |

| Variable               | Type                                                                  | Value                 |                                                                       | Description |        |
|------------------------|-----------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------|-------------|--------|
| s1                     | String                                                                | {ip_adress}           |                                                                       | ip adress   |        |
| ntp-reachable          | 175640385467449558                                                    | Both Local and Remote | NTP server is reachable                                               | information | system |
| SYSLOG                 |                                                                       |                       |                                                                       |             |        |
| Format                 | NTP server \$s1:%s: is reachable                                      |                       |                                                                       |             |        |
| Example                | NTP server 1.1.1.1 is reachable                                       |                       |                                                                       |             |        |
| Variable               | Type                                                                  | Value                 |                                                                       | Description |        |
| s1                     | String                                                                | {ip_adress}           |                                                                       | ip adress   |        |
| ntp-server-sync        | 175640385467449404                                                    | Both Local and Remote | NTP server is in sync with system                                     | information | system |
| SYSLOG                 |                                                                       |                       |                                                                       |             |        |
| Format                 | NTP server \$server:%s: is in sync with system                        |                       |                                                                       |             |        |
| Example                | NTP server 1.1.1.1 is in sync with system                             |                       |                                                                       |             |        |
| Variable               | Type                                                                  | Value                 |                                                                       | Description |        |
| server                 | String                                                                | {ntp_server}          |                                                                       | ntp server  |        |
| ntp-set-time-hard      | 175640385467449556                                                    | Both Local and Remote | No NTP server defined. Setting time source to hardware calendar       | information | system |
| SYSLOG                 |                                                                       |                       |                                                                       |             |        |
| Format                 | No NTP server defined. Setting time source to hardware calendar       |                       |                                                                       |             |        |
| ntp-set-time-hard-fail | 175640385467449557                                                    | Both Local and Remote | No NTP server defined. Failed to set time source to hardware calendar | information | system |
| SYSLOG                 |                                                                       |                       |                                                                       |             |        |
| Format                 | No NTP server defined. Failed to set time source to hardware calendar |                       |                                                                       |             |        |
| ntp-status-unknown     | 175640385467449497                                                    | Both Local and Remote | ntp failed                                                            | error       | system |
| SYSLOG                 |                                                                       |                       |                                                                       |             |        |
| Format                 | NTP server \$state:%s: status is unknown                              |                       |                                                                       |             |        |

| Example             |                    | NTP server example.com status is unknown                                 |                                                   |               |        |
|---------------------|--------------------|--------------------------------------------------------------------------|---------------------------------------------------|---------------|--------|
| Variable            | Type               | Value                                                                    |                                                   | Description   |        |
| state               | String             | {server_name}                                                            |                                                   | server name   |        |
| open-session-failed | 175640385467449516 | Both Local and Remote                                                    | Cannot open more sessions.                        | warning       | system |
| SYSLOG              |                    |                                                                          |                                                   |               |        |
| Format              |                    | Cannot open more than \$limit:%u: sessions.                              |                                                   |               |        |
| Example             |                    | Cannot open more than 1 sessions.                                        |                                                   |               |        |
| Variable            | Type               | Value                                                                    |                                                   | Description   |        |
| limit               | Unsigned Integer   | {session_limit}                                                          |                                                   | session limit |        |
| open-sys-file-error | 175640385467449484 | Both Local and Remote                                                    | open file failed                                  | error         | system |
| SYSLOG              |                    |                                                                          |                                                   |               |        |
| Format              |                    | Open file \$state:%s: failure                                            |                                                   |               |        |
| Example             |                    | Open file unknown failure                                                |                                                   |               |        |
| Variable            | Type               | Value                                                                    |                                                   | Description   |        |
| state               | String             | {file_name}                                                              |                                                   | file name     |        |
| pkt-drop-limit      | 175640385467449527 | Both Local and Remote                                                    | Pkt drop due to bandwidth limit                   | warning       | system |
| SYSLOG              |                    |                                                                          |                                                   |               |        |
| Format              |                    | Pkt drop due to bandwidth limit = \$limit:%l:                            |                                                   |               |        |
| Example             |                    | Pkt drop due to bandwidth limit = 10000                                  |                                                   |               |        |
| Variable            | Type               | Value                                                                    |                                                   | Description   |        |
| limit               | Long               | {max_limit}                                                              |                                                   | max limit     |        |
| poll-mode           | 175640385467449347 | Both Local and Remote                                                    | System management poll mode Configuration changed | information   | system |
| SYSLOG              |                    |                                                                          |                                                   |               |        |
| Format              |                    | System poll mode Configuration changed. Shared poll mode is \$action:%s: |                                                   |               |        |

| Example              |                    | System poll mode Configuration changed. Shared poll mode is enabled |                                                        |              |        |
|----------------------|--------------------|---------------------------------------------------------------------|--------------------------------------------------------|--------------|--------|
| Variable             | Type               | Value                                                               |                                                        | Description  |        |
| action               | String             | enabled<br>disabled                                                 |                                                        | action       |        |
| power-invalid-status | 175640385467449599 | Both Local and Remote                                               | System detected power supplies are not in valid status | warning      | system |
| SYSLOG               |                    |                                                                     |                                                        |              |        |
| Format               |                    | System detected power supplies are not in valid status.             |                                                        |              |        |
| power-recover        | 175640385467449563 | Both Local and Remote                                               | System recovered in power supplies.                    | information  | system |
| SYSLOG               |                    |                                                                     |                                                        |              |        |
| Format               |                    | System recovered and now has \$d1:%d: power supplies.               |                                                        |              |        |
| Example              |                    | System recovered and now has 2 power supplies.                      |                                                        |              |        |
| Variable             | Type               | Value                                                               |                                                        | Description  |        |
| d1                   | Integer            | {power_supply_}                                                     |                                                        | power supply |        |
| process-die          | 175640385467449573 | Both Local and Remote                                               | Detected process death                                 | warning      | system |
| SYSLOG               |                    |                                                                     |                                                        |              |        |
| Format               |                    | Detected process death of \$name:%s: . Try to restart it            |                                                        |              |        |
| Example              |                    | Detected process death of a10lb . Try to restart it                 |                                                        |              |        |
| Variable             | Type               | Value                                                               |                                                        | Description  |        |
| name                 | String             | {process_name}                                                      |                                                        | process name |        |
| process-dsiable      | 175640385467449565 | Both Local and Remote                                               | Process is disabled and stop it                        | information  | system |
| SYSLOG               |                    |                                                                     |                                                        |              |        |
| Format               |                    | Process \$s1:%s: is disabled and stop it                            |                                                        |              |        |
| Example              |                    | Process a10lb is disabled and stop it                               |                                                        |              |        |
| Variable             | Type               | Value                                                               |                                                        | Description  |        |

| s1                    | String                                          | {process_name}        | process name                            |               |        |
|-----------------------|-------------------------------------------------|-----------------------|-----------------------------------------|---------------|--------|
| process-restart-error | 175640385467449507                              | Both Local and Remote | process restart failed                  | error         | system |
| SYSLOG                |                                                 |                       |                                         |               |        |
| Format                | Process \$state:%s: is dead, but restart failed |                       |                                         |               |        |
| Example               | Process a10lb is dead, but restart failed       |                       |                                         |               |        |
| Variable              | Type                                            | Value                 |                                         | Description   |        |
| state                 | String                                          | {process_name}        |                                         | process name  |        |
| process-signal-fail   | 175640385467449528                              | Both Local and Remote | send signal failure                     | warning       | system |
| SYSLOG                |                                                 |                       |                                         |               |        |
| Format                | send signal \$signal:%d: to \$name:%s: failure  |                       |                                         |               |        |
| Example               | send signal 6 to a10lb failure                  |                       |                                         |               |        |
| Variable              | Type                                            | Value                 |                                         | Description   |        |
| signal                | Integer                                         | {signal_number}       |                                         | signal number |        |
| name                  | String                                          | {process_name}        |                                         | process name  |        |
| process-start         | 175640385467449567                              | Both Local and Remote | The processes of module started/stopped | information   | system |
| SYSLOG                |                                                 |                       |                                         |               |        |
| Format                | The processes of module \$s1:%s: \$s2:%s:       |                       |                                         |               |        |
| Example               | The processes of module a10lb started           |                       |                                         |               |        |
| Variable              | Type                                            | Value                 |                                         | Description   |        |
| s1                    | String                                          | {process_name_}       |                                         | process name  |        |
| s2                    | String                                          | started<br>stopped    |                                         | action        |        |
| prod-oem-file-missing | 175640385467449445                              | Both Local and Remote | OEM file error                          | error         | system |
| SYSLOG                |                                                 |                       |                                         |               |        |
| Format                | PROD_OEM file missing                           |                       |                                         |               |        |

| prof-link-failed | 175640385467449358                                                          | Both Local and Remote     | Failed to link profile to startup-config | critical                | system |
|------------------|-----------------------------------------------------------------------------|---------------------------|------------------------------------------|-------------------------|--------|
| SYSLOG           |                                                                             |                           |                                          |                         |        |
| Format           | Failed to link profile \$file:%s: to startup-config                         |                           |                                          |                         |        |
| Example          | Failed to link profile prof1 to startup-config                              |                           |                                          |                         |        |
| Variable         | Type                                                                        | Value                     |                                          | Description             |        |
| file             | String                                                                      | {profile_name}            |                                          | profile name            |        |
| prof-parse-err   | 175640385467449357                                                          | Both Local and Remote     | parse error from profile                 | critical                | system |
| SYSLOG           |                                                                             |                           |                                          |                         |        |
| Format           | Parse error in profile \$name:%s: \$line:%s:                                |                           |                                          |                         |        |
| Example          | Parse error in profile prof1 100                                            |                           |                                          |                         |        |
| Variable         | Type                                                                        | Value                     |                                          | Description             |        |
| name             | String                                                                      | {profile_name}            |                                          | profile name            |        |
| line             | String                                                                      | {profile_line_number}     |                                          | profile line number     |        |
| public-key-size  | 175640385467449482                                                          | Both Local and Remote     | key size error                           | error                   | system |
| SYSLOG           |                                                                             |                           |                                          |                         |        |
| Format           | Public key size too small, ignore. The comment is \$state:%s:               |                           |                                          |                         |        |
| Example          | Public key size too small, ignore. The comment is this is an ssh public key |                           |                                          |                         |        |
| Variable         | Type                                                                        | Value                     |                                          | Description             |        |
| state            | String                                                                      | {your_public_key_comment} |                                          | your public key comment |        |
| read-only-mount  | 175640385467449386                                                          | Both Local and Remote     | File system is mounted READ ONLY         | critical                | system |
| SYSLOG           |                                                                             |                           |                                          |                         |        |
| Format           | \$disk:%s: is mounted READ ONLY                                             |                           |                                          |                         |        |
| Example          | Hard Drive is mounted READ ONLY                                             |                           |                                          |                         |        |
| Variable         | Type                                                                        | Value                     |                                          | Description             |        |

|                                |                                                         |                       |                    |             |        |
|--------------------------------|---------------------------------------------------------|-----------------------|--------------------|-------------|--------|
| disk                           | String                                                  | Hard Drive<br>Ramdisk | filesystem name    |             |        |
| reboot-blade-failed            | 175640385467449451                                      | Both Local and Remote | reboot failed      | error       | system |
| SYSLOG                         |                                                         |                       |                    |             |        |
| Format                         | Reboot of \$blade:%s: failed.                           |                       |                    |             |        |
| Example                        | Reboot of blade failed.                                 |                       |                    |             |        |
| Variable                       | Type                                                    | Value                 |                    | Description |        |
| blade                          | String                                                  | {blade_name}          |                    | blade name  |        |
| reboot-count-file-access-error | 175640385467449453                                      | Both Local and Remote | access file failed | error       | system |
| SYSLOG                         |                                                         |                       |                    |             |        |
| Format                         | Error occured while accesing the file for reboot count. |                       |                    |             |        |
| reboot-count-file-size-error   | 175640385467449454                                      | Both Local and Remote | file size error    | error       | system |
| SYSLOG                         |                                                         |                       |                    |             |        |
| Format                         | Error with the file size for reboot count.              |                       |                    |             |        |
| reboot-file-open-error         | 175640385467449455                                      | Both Local and Remote | open file error    | error       | system |
| SYSLOG                         |                                                         |                       |                    |             |        |
| Format                         | Error with the reboot-file opening.                     |                       |                    |             |        |
| reboot-fork-failure            | 175640385467449467                                      | Both Local and Remote | fork failed        | error       | system |
| SYSLOG                         |                                                         |                       |                    |             |        |
| Format                         | Fork error when doing system reboot jobs                |                       |                    |             |        |
| reboot-shutdown-failure        | 175640385467449483                                      | Both Local and Remote | system failure     | error       | system |
| SYSLOG                         |                                                         |                       |                    |             |        |
| Format                         | \$action:%s: system failure                             |                       |                    |             |        |



| Example                          | reboot system failure                      |                       |                                            |             |        |
|----------------------------------|--------------------------------------------|-----------------------|--------------------------------------------|-------------|--------|
| Variable                         | Type                                       | Value                 |                                            | Description |        |
| action                           | String                                     | reboot shutdown       |                                            | action      |        |
| reload-chm                       | 175640385467449552                         | Both Local and Remote | reloaded from call chm_api_reload executed | information | system |
| SYSLOG                           |                                            |                       |                                            |             |        |
| Format                           | reloaded from call chm_api_reload executed |                       |                                            |             |        |
| reload-configure-error           | 175640385467449465                         | Both Local and Remote | reload failed                              | error       | system |
| SYSLOG                           |                                            |                       |                                            |             |        |
| Format                           | Reload confugurations error.               |                       |                                            |             |        |
| reload-schedule-error            | 175640385467449466                         | Both Local and Remote | reload failed                              | error       | system |
| SYSLOG                           |                                            |                       |                                            |             |        |
| Format                           | Get system reload schedule info error.     |                       |                                            |             |        |
| reload-succed                    | 175640385467449538                         | Both Local and Remote | ACOS has reloaded successfully.            | information | system |
| SYSLOG                           |                                            |                       |                                            |             |        |
| Format                           | ACOS has reloaded successfully.            |                       |                                            |             |        |
| remove-file-fail                 | 175640385467449589                         | Both Local and Remote | remove file failed                         | error       | system |
| SYSLOG                           |                                            |                       |                                            |             |        |
| Format                           | Failed to remove file \$filename:%s:       |                       |                                            |             |        |
| Example                          | Failed to remove file test                 |                       |                                            |             |        |
| Variable                         | Type                                       | Value                 |                                            | Description |        |
| filename                         | String                                     | {file_name}           |                                            | file name   |        |
| remove-interface-mapping-failure | 175640385467449414                         | Both Local and Remote | remove file failed                         | error       | system |
| SYSLOG                           |                                            |                       |                                            |             |        |

| Format                         |                    | Remove temp ipi interface mapping file failure |                              |             |        |
|--------------------------------|--------------------|------------------------------------------------|------------------------------|-------------|--------|
| rename-sys-file-error          | 175640385467449486 | Both Local and Remote                          | rename file failed           | error       | system |
| SYSLOG                         |                    |                                                |                              |             |        |
| Format                         |                    | Rename file \$state:%s: failure                |                              |             |        |
| Example                        |                    | Rename file unknown failure                    |                              |             |        |
| Variable                       | Type               | Value                                          |                              | Description |        |
| state                          | String             | {file_name}                                    |                              | file name   |        |
| restore-config-failed          | 175640385467449505 | Both Local and Remote                          | restore failed               | error       | system |
| SYSLOG                         |                    |                                                |                              |             |        |
| Format                         |                    | Restore \$state:%s: config failure             |                              |             |        |
| Example                        |                    | Restore banner config failure                  |                              |             |        |
| Variable                       | Type               | Value                                          |                              | Description |        |
| state                          | String             | {file_name}                                    |                              | file name   |        |
| save-config-failed             | 175640385467449494 | Both Local and Remote                          | save file failed             | error       | system |
| SYSLOG                         |                    |                                                |                              |             |        |
| Format                         |                    | Save \$state:%s: config failure                |                              |             |        |
| Example                        |                    | Save unknown config failure                    |                              |             |        |
| Variable                       | Type               | Value                                          |                              | Description |        |
| state                          | String             | {file_name}                                    |                              | file name   |        |
| save-interface-mapping-failure | 175640385467449412 | Both Local and Remote                          | save inteface mapping failed | error       | system |
| SYSLOG                         |                    |                                                |                              |             |        |
| Format                         |                    | Save interface mapping file error              |                              |             |        |
| save-sys-file-failure          | 175640385467449411 | Both Local and Remote                          | save timezone file failed    | error       | system |

| SYSLOG                       |                    |                                                                          |                      |                     |        |
|------------------------------|--------------------|--------------------------------------------------------------------------|----------------------|---------------------|--------|
| Format                       |                    | Failed to save the \$name:%s: file                                       |                      |                     |        |
| Example                      |                    | Failed to save the password file                                         |                      |                     |        |
| Variable                     | Type               | Value                                                                    |                      | Description         |        |
| name                         | String             | {file_name}                                                              |                      | file name           |        |
| sb-forced-open-file-error    | 175640385467449448 | Both Local and Remote                                                    | open file failure    | error               | system |
| SYSLOG                       |                    |                                                                          |                      |                     |        |
| Format                       |                    | Unable to open file for getting info if single board is \$status:%s:.    |                      |                     |        |
| Example                      |                    | Unable to open file for getting info if single board is forced.          |                      |                     |        |
| Variable                     | Type               | Value                                                                    |                      | Description         |        |
| status                       | String             | forced fallback                                                          |                      | single board status |        |
| sb-forced-process-file-error | 175640385467449449 | Both Local and Remote                                                    | process file failure | error               | system |
| SYSLOG                       |                    |                                                                          |                      |                     |        |
| Format                       |                    | Unable to process file for getting info if single board is \$status:%s:. |                      |                     |        |
| Example                      |                    | Unable to process file for getting info if single board is forced.       |                      |                     |        |
| Variable                     | Type               | Value                                                                    |                      | Description         |        |
| status                       | String             | forced fallback                                                          |                      | single board status |        |
| schedule-reboot              | 175640385467449536 | Both Local and Remote                                                    | Scheduledreboot .    | information         | system |
| SYSLOG                       |                    |                                                                          |                      |                     |        |
| Format                       |                    | Scheduled \$s1:%s: .                                                     |                      |                     |        |
| Example                      |                    | Scheduled reboot .                                                       |                      |                     |        |
| Variable                     | Type               | Value                                                                    |                      | Description         |        |
| s1                           | String             | reboot shutdown                                                          |                      | action              |        |
|                              |                    |                                                                          |                      |                     |        |

| schedule-reboot-cancel | 175640385467449537                                                                               | Both Local and Remote | ACOS schedule cancelled.                                                      | information    | system |
|------------------------|--------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------|----------------|--------|
| <b>SYSLOG</b>          |                                                                                                  |                       |                                                                               |                |        |
| Format                 | ACOS \$s1:%s: schedule cancelled.                                                                |                       |                                                                               |                |        |
| Example                | ACOS reboot schedule cancelled.                                                                  |                       |                                                                               |                |        |
| Variable               | Type                                                                                             | Value                 |                                                                               | Description    |        |
| s1                     | String                                                                                           | reboot<br>shutdown    |                                                                               | action         |        |
| scp-succeed            | 175640385467449530                                                                               | Both Local and Remote | Scp successfully.                                                             | information    | system |
| <b>SYSLOG</b>          |                                                                                                  |                       |                                                                               |                |        |
| Format                 | Scp \$s1:%s: from \$s2:%s: by \$s3:%s: successfully.                                             |                       |                                                                               |                |        |
| Example                | Scp a.txt from 1.1.1.1 by admin successfully.                                                    |                       |                                                                               |                |        |
| Variable               | Type                                                                                             | Value                 |                                                                               | Description    |        |
| s1                     | String                                                                                           | {file_name}           |                                                                               | file name      |        |
| s2                     | String                                                                                           | {url}                 |                                                                               | url            |        |
| s3                     | String                                                                                           | {user_name}           |                                                                               | user name      |        |
| sess-limit-fail        | 175640385467449554                                                                               | Both Local and Remote | Cannot set session limit to which is less than the number of active sessions. | information    | system |
| <b>SYSLOG</b>          |                                                                                                  |                       |                                                                               |                |        |
| Format                 | Cannot set session limit to \$d1:%d: which is less than the number of active sessions \$d2:%d: . |                       |                                                                               |                |        |
| Example                | Cannot set session limit to 90 which is less than the number of active sessions 100 .            |                       |                                                                               |                |        |
| Variable               | Type                                                                                             | Value                 |                                                                               | Description    |        |
| d1                     | Integer                                                                                          | {session_number}      |                                                                               | session number |        |
| d2                     | Integer                                                                                          | {session_number}      |                                                                               | session number |        |
| sess-timeout           | 175640385467449555                                                                               | Both Local and Remote | Session timed out                                                             | information    | system |
| <b>SYSLOG</b>          |                                                                                                  |                       |                                                                               |                |        |

| Format                 |                    | Session timed out                                                                                       |                                     |                |        |
|------------------------|--------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------|----------------|--------|
| set-boot-image         | 175640385467449539 | Both Local and Remote                                                                                   | Set next HD/CF boot from image      | information    | system |
| SYSLOG                 |                    |                                                                                                         |                                     |                |        |
| Format                 |                    | Set next \$s1:%s: boot from \$s2:%s: image                                                              |                                     |                |        |
| Example                |                    | Set next HD boot from primary image                                                                     |                                     |                |        |
| Variable               | Type               | Value                                                                                                   |                                     | Description    |        |
| s1                     | String             | HD<br>CF                                                                                                |                                     | boot type      |        |
| s2                     | String             | primary<br>secondary                                                                                    |                                     | from           |        |
| set-time-source-failed | 175640385467449495 | Both Local and Remote                                                                                   | process file failed                 | error          | system |
| SYSLOG                 |                    |                                                                                                         |                                     |                |        |
| Format                 |                    | Set time source to \$state:%s: failure                                                                  |                                     |                |        |
| Example                |                    | Set time source to unknown failure                                                                      |                                     |                |        |
| Variable               | Type               | Value                                                                                                   |                                     | Description    |        |
| state                  | String             | {source_name}                                                                                           |                                     | source name    |        |
| signal-process         | 175640385467449560 | Both Local and Remote                                                                                   | Received SIGHUP signal from process | warning        | system |
| SYSLOG                 |                    |                                                                                                         |                                     |                |        |
| Format                 |                    | Received \$s1:%s: signal from process \$d1:%d: by user \$d2:%d: . Signal code: \$d3:%d: value: \$d4:%d: |                                     |                |        |
| Example                |                    | Received SIGHUP signal from process 90 by user 11 . Signal code: 90 value: 90                           |                                     |                |        |
| Variable               | Type               | Value                                                                                                   |                                     | Description    |        |
| s1                     | String             | {signal}                                                                                                |                                     | signal         |        |
| d1                     | Integer            | {session_number}                                                                                        |                                     | session number |        |
| d2                     | Integer            | {user_id}                                                                                               |                                     | user id        |        |
| d3                     | Integer            | {signal_code}                                                                                           |                                     | signal code    |        |
| d4                     | Integer            | {session_number}                                                                                        |                                     | session number |        |

| single-board-enable | 175640385467449547 | Both Local and Remote                                             | Single Board Mode Enabled                              | information                              | system |
|---------------------|--------------------|-------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|--------|
| SYSLOG              |                    |                                                                   |                                                        |                                          |        |
| Format              |                    | Single Board Mode Enabled                                         |                                                        |                                          |        |
| smime-send-failed   | 175640385467449363 | Both Local and Remote                                             | Failed to send smime mail.                             | critical                                 | system |
| SYSLOG              |                    |                                                                   |                                                        |                                          |        |
| Format              |                    | Failed to send smime mail.                                        |                                                        |                                          |        |
| sn-oem-file-missing | 175640385467449446 | Both Local and Remote                                             | OEM file error                                         | error                                    | system |
| SYSLOG              |                    |                                                                   |                                                        |                                          |        |
| Format              |                    | SN_OEM file missing                                               |                                                        |                                          |        |
| socket-failed       | 175640385467449487 | Both Local and Remote                                             | socket error                                           | error                                    | system |
| SYSLOG              |                    |                                                                   |                                                        |                                          |        |
| Format              |                    | socket failed: \$state:%s:                                        |                                                        |                                          |        |
| Example             |                    | socket failed: Invalid argument                                   |                                                        |                                          |        |
| Variable            | Type               | Value                                                             |                                                        | Description                              |        |
| state               | String             | {errno_error_message_from_socket_creation_}                       |                                                        | errno error message from socket creation |        |
| spe-change          | 175640385467449570 | Both Local and Remote                                             | System will run the SPE profile when rebooted/reloaded | notification                             | system |
| SYSLOG              |                    |                                                                   |                                                        |                                          |        |
| Format              |                    | System will run the \$name:%s: SPE profile when rebooted/reloaded |                                                        |                                          |        |
| Example             |                    | System will run the spe SPE profile when rebooted/reloaded        |                                                        |                                          |        |
| Variable            | Type               | Value                                                             |                                                        | Description                              |        |
| name                | String             | {profile_name}                                                    |                                                        | profile name                             |        |
| spe-set             | 175640385467449572 | Both Local and Remote                                             | Setting up SPE profile                                 | notification                             | system |
| SYSLOG              |                    |                                                                   |                                                        |                                          |        |

| Format                 | Setting up SPE profile for \$name:%s:                |                       |                                            |              |        |
|------------------------|------------------------------------------------------|-----------------------|--------------------------------------------|--------------|--------|
| Example                | Setting up SPE profile for spe                       |                       |                                            |              |        |
| Variable               | Type                                                 | Value                 |                                            | Description  |        |
| name                   | String                                               | {profile_name}        |                                            | profile name |        |
| ssh-auth-set           | 175640385467449553                                   | Both Local and Remote | set SSH_AUTH_SOCK                          | information  | system |
| <b>SYSLOG</b>          |                                                      |                       |                                            |              |        |
| Format                 | set SSH_AUTH_SOCK                                    |                       |                                            |              |        |
| stat-insufficient-disk | 175640385467449405                                   | Both Local and Remote | Insufficient disk space                    | warning      | system |
| <b>SYSLOG</b>          |                                                      |                       |                                            |              |        |
| Format                 | Statistics: Insufficient disk space(\$space:%u:MB)   |                       |                                            |              |        |
| Example                | Statistics: Insufficient disk space(1000MB)          |                       |                                            |              |        |
| Variable               | Type                                                 | Value                 |                                            | Description  |        |
| space                  | Unsigned Integer                                     | {disk_size}           |                                            | disk size    |        |
| stop-rr-cpu            | 175640385467449513                                   | Both Local and Remote | Stopped round robin on packets to data CPU | warning      | system |
| <b>SYSLOG</b>          |                                                      |                       |                                            |              |        |
| Format                 | Stopped round robin on packets to data CPU \$cpu:%u: |                       |                                            |              |        |
| Example                | Stopped round robin on packets to data CPU 1         |                       |                                            |              |        |
| Variable               | Type                                                 | Value                 |                                            | Description  |        |
| cpu                    | Unsigned Integer                                     | {cpu_id}              |                                            | cpu id       |        |
| su_SCPFile-failed      | 175640385467449491                                   | Both Local and Remote | scp failed                                 | error        | system |
| <b>SYSLOG</b>          |                                                      |                       |                                            |              |        |
| Format                 | su_SCPFile failed \$state:%s:.                       |                       |                                            |              |        |
| Example                | su_SCPFile failed Out of memory.                     |                       |                                            |              |        |
| Variable               | Type                                                 | Value                 |                                            | Description  |        |

|                         |                                               |                                 |                                           |                               |        |
|-------------------------|-----------------------------------------------|---------------------------------|-------------------------------------------|-------------------------------|--------|
| state                   | String                                        | {errno_error_message_from_fork} |                                           | errno error message from fork |        |
| su_SFTPFile-failed      | 175640385467449490                            | Both Local and Remote           | sftp failed                               | error                         | system |
| SYSLOG                  |                                               |                                 |                                           |                               |        |
| Format                  | su_SFTPFile failed \$function:%s, \$state:%s: |                                 |                                           |                               |        |
| Example                 | su_SFTPFile failed fork(), Out of memory      |                                 |                                           |                               |        |
| Variable                | Type                                          | Value                           |                                           | Description                   |        |
| function                | String                                        | {function_anme}                 |                                           | function anme                 |        |
| state                   | String                                        | {errno_error_message_from_fork} |                                           | errno error message from fork |        |
| sys-temperature-failed  | 175640385467449520                            | Both Local and Remote           | System temperature sw state change failed | warning                       | system |
| SYSLOG                  |                                               |                                 |                                           |                               |        |
| Format                  | System temperature sw state change failed     |                                 |                                           |                               |        |
| system-reboot-failed    | 175640385467449362                            | Both Local and Remote           | System reboot failed                      | critical                      | system |
| SYSLOG                  |                                               |                                 |                                           |                               |        |
| Format                  | System reboot failed                          |                                 |                                           |                               |        |
| system-reboot-failure   | 175640385467449401                            | Both Local and Remote           | System reboot failure                     | critical                      | system |
| SYSLOG                  |                                               |                                 |                                           |                               |        |
| Format                  | System reboot failure                         |                                 |                                           |                               |        |
| system-shutdown-failed  | 175640385467449360                            | Both Local and Remote           | System shutdown failed                    | critical                      | system |
| SYSLOG                  |                                               |                                 |                                           |                               |        |
| Format                  | System shutdown failed                        |                                 |                                           |                               |        |
| system-shutdown-failure | 175640385467449384                            | Both Local and Remote           | System shutdown failure                   | critical                      | system |
| SYSLOG                  |                                               |                                 |                                           |                               |        |
| Format                  | System shutdown failure                       |                                 |                                           |                               |        |



| sysutil-interface-failed | 175640385467449460 | Both Local and Remote                                         | module exit failure                                           | error          | system |
|--------------------------|--------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------|--------|
| SYSLOG                   |                    |                                                               |                                                               |                |        |
| Format                   |                    | Exit interface of sysutil module failure                      |                                                               |                |        |
| sysutil-session-failed   | 175640385467449461 | Both Local and Remote                                         | module exit failure                                           | error          | system |
| SYSLOG                   |                    |                                                               |                                                               |                |        |
| Format                   |                    | Exit session management of sysutil module failure             |                                                               |                |        |
| tar-return-error         | 175640385467449503 | Both Local and Remote                                         | file format wrong                                             | error          | system |
| SYSLOG                   |                    |                                                               |                                                               |                |        |
| Format                   |                    | tar: tar returned error status \$value:%d:                    |                                                               |                |        |
| Example                  |                    | tar: tar returned error status -2                             |                                                               |                |        |
| Variable                 | Type               | Value                                                         |                                                               | Description    |        |
| value                    | Integer            | {error_code}                                                  |                                                               | error code     |        |
| temp-recover             | 175640385467449564 | Both Local and Remote                                         | System recovered and now within acceptable temperature range. | warning        | system |
| SYSLOG                   |                    |                                                               |                                                               |                |        |
| Format                   |                    | System recovered and now within acceptable temperature range. |                                                               |                |        |
| temp-val                 | 175640385467449562 | Both Local and Remote                                         | temprature value info                                         | warning        | system |
| SYSLOG                   |                    |                                                               |                                                               |                |        |
| Format                   |                    | \$s1:%s: \$s2:%s:. Current value is \$d1:%d:                  |                                                               |                |        |
| Example                  |                    | 1.1.1.1 1.1.1.1. Current value is 90                          |                                                               |                |        |
| Variable                 | Type               | Value                                                         |                                                               | Description    |        |
| s1                       | String             | {ip_adress}                                                   |                                                               | ip adress      |        |
| s2                       | String             | {ip_adress}                                                   |                                                               | ip adress      |        |
| d1                       | Integer            | {session_number}                                              |                                                               | session number |        |
|                          |                    |                                                               |                                                               |                |        |

| time-sync-conf-failed   | 175640385467449382 | Both Local and Remote                                                                                      | Failed to get time sync conf       | critical     | system |
|-------------------------|--------------------|------------------------------------------------------------------------------------------------------------|------------------------------------|--------------|--------|
| SYSLOG                  |                    |                                                                                                            |                                    |              |        |
| Format                  |                    | Failed to get time sync conf                                                                               |                                    |              |        |
| time-sync-thread-failed | 175640385467449595 | Both Local and Remote                                                                                      | Failed to start time sync thread   | critical     | system |
| SYSLOG                  |                    |                                                                                                            |                                    |              |        |
| Format                  |                    | Failed to start time sync thread                                                                           |                                    |              |        |
| update-if-err           | 175640385467449501 | Both Local and Remote                                                                                      | update interface failed            | error        | system |
| SYSLOG                  |                    |                                                                                                            |                                    |              |        |
| Format                  |                    | update_if_err_stats: Invalid portnum failed \$value:%u:                                                    |                                    |              |        |
| Example                 |                    | update_if_err_stats: Invalid portnum failed 1                                                              |                                    |              |        |
| Variable                | Type               | Value                                                                                                      |                                    | Description  |        |
| value                   | Unsigned Integer   | {port_number}                                                                                              |                                    | port number  |        |
| upgrade-no-space-error  | 175640385467449444 | Both Local and Remote                                                                                      | disk space calculate error         | error        | system |
| SYSLOG                  |                    |                                                                                                            |                                    |              |        |
| Format                  |                    | upgrade: failed to get a10data free disk space                                                             |                                    |              |        |
| user-session-opened     | 175640385467449406 | Both Local and Remote                                                                                      | A session for user has been opened | notification | system |
| SYSLOG                  |                    |                                                                                                            |                                    |              |        |
| Format                  |                    | A \$type:%s: session for user "\$user:%s:" from \$ip:%s: has been opened. Session ID assigned is \$id:%u:. |                                    |              |        |
| Example                 |                    | A aXAPI session for user "user1" from 1.1.1.1 has been opened. Session ID assigned is 10.                  |                                    |              |        |
| Variable                | Type               | Value                                                                                                      |                                    | Description  |        |
| type                    | String             | aXAPI<br>web<br>cli                                                                                        |                                    | session type |        |
| user                    | String             | {user_name}                                                                                                |                                    | user name    |        |
| ip                      | String             | {ntp_server}                                                                                               |                                    | ntp server   |        |

|                      |                                                                                                                              |                       |                                                  |             |                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------|-------------|--------------------|
| id                   | Unsigned Integer                                                                                                             | {session_id}          |                                                  | session id  |                    |
| vrrp-timer-err       | 175640385467449509                                                                                                           | Both Local and Remote | VRRP-A send_adv timer on invalid parid           | warning     | system             |
| SYSLOG               |                                                                                                                              |                       |                                                  |             |                    |
| Format               | VRRP-A send_adv timer on invalid parid \$parid:%d: vrid \$vrid:%d:                                                           |                       |                                                  |             |                    |
| Example              | VRRP-A send_adv timer on invalid parid 1 vrid 1                                                                              |                       |                                                  |             |                    |
| Variable             | Type                                                                                                                         | Value                 |                                                  | Description |                    |
| parid                | Integer                                                                                                                      | {parid}               |                                                  | parid       |                    |
| vrid                 | Integer                                                                                                                      | {vrid}                |                                                  | vrid        |                    |
| web-server-restart   | 175640385467449546                                                                                                           | Both Local and Remote | Web server is restarted due to http port changes | information | system             |
| SYSLOG               |                                                                                                                              |                       |                                                  |             |                    |
| Format               | Web server is restarted due to http port changes                                                                             |                       |                                                  |             |                    |
| write-sys-file-error | 175640385467449485                                                                                                           | Both Local and Remote | write file failed                                | error       | system             |
| SYSLOG               |                                                                                                                              |                       |                                                  |             |                    |
| Format               | Write file \$state:%s: failure                                                                                               |                       |                                                  |             |                    |
| Example              | Write file unknown failure                                                                                                   |                       |                                                  |             |                    |
| Variable             | Type                                                                                                                         | Value                 |                                                  | Description |                    |
| state                | String                                                                                                                       | {file_name}           |                                                  | file name   |                    |
| cps-threshold        | 177188497839357954                                                                                                           | Both Local and Remote | Connections Per Second (CPS) threshold exceeded  | information | system.apps-global |
| CEF                  |                                                                                                                              |                       |                                                  |             |                    |
| Format               | cs1=\$cps_tot:%u: cs1Label=Total CPS cs2=\$thre_level:%s: cs2Label=Threshold Level cs3=\$cps_thre:%u: cs3Label=CPS Threshold |                       |                                                  |             |                    |
| Example              | cs1=1 cs1Label=Total CPS cs2=above/below cs2Label=Threshold Level cs3=1 cs3Label=CPS Threshold                               |                       |                                                  |             |                    |
| SYSLOG               |                                                                                                                              |                       |                                                  |             |                    |
| Format               | The current Connections Per Second (CPS) \$cps_tot:%u: in the system has gone \$thre_level:%s: the threshold \$cps_thre:%u:  |                       |                                                  |             |                    |
| Example              | The current Connections Per Second (CPS) 1 in the system has gone above/below the threshold 1                                |                       |                                                  |             |                    |

| Variable           | Type                                                                                                                                   | Value                 |                                                                     | Description   |                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------|---------------|--------------------|
| cps_tot            | Unsigned Integer                                                                                                                       | {cps_tot}             |                                                                     | cps_tot       |                    |
| thre_level         | String                                                                                                                                 | {thre_level}          |                                                                     | thre_level    |                    |
| cps_thre           | Unsigned Integer                                                                                                                       | {cps_thre}            |                                                                     | cps_thre      |                    |
| sessions-threshold | 177188497839357953                                                                                                                     | Both Local and Remote | Number of Sessions threshold exceeded                               | information   | system.apps-global |
| CEF                |                                                                                                                                        |                       |                                                                     |               |                    |
| Format             | cs1=\$sess_tot:%u: cs1Label=Total session cs2=\$thre_level:%s: cs2Label=Threshold Level cs3=\$sess_thre:%u: cs3Label=Session Threshold |                       |                                                                     |               |                    |
| Example            | cs1=1 cs1Label=Total session cs2=above/below cs2Label=Threshold Level cs3=1 cs3Label=Session Threshold                                 |                       |                                                                     |               |                    |
| SYSLOG             |                                                                                                                                        |                       |                                                                     |               |                    |
| Format             | The current number of sessions \$sess_tot:%u: in the system has gone \$thre_level:%s: the threshold \$sess_thre:%u:                    |                       |                                                                     |               |                    |
| Example            | The current number of sessions 1 in the system has gone above/below the threshold 1                                                    |                       |                                                                     |               |                    |
| Variable           | Type                                                                                                                                   | Value                 |                                                                     | Description   |                    |
| sess_tot           | Unsigned Integer                                                                                                                       | {sess_tot}            |                                                                     | sess_tot      |                    |
| thre_level         | String                                                                                                                                 | {thre_level}          |                                                                     | thre_level    |                    |
| sess_thre          | Unsigned Integer                                                                                                                       | {sess_thre}           |                                                                     | sess_thre     |                    |
| icmp_exceed        | 176484810397581313                                                                                                                     | Both Local and Remote | ICMP packet rate limit exceeded, Drop all packets for lockup period | information   | system.icmp        |
| CEF                |                                                                                                                                        |                       |                                                                     |               |                    |
| Format             | cn1=\$limit:%u: cn1Label=Rate Limit cn2=\$lockup_period:%u: cn2Label=Lockup Period                                                     |                       |                                                                     |               |                    |
| Example            | cn1=1 cn1Label=Rate Limit cn2=1 cn2Label=Lockup Period                                                                                 |                       |                                                                     |               |                    |
| SYSLOG             |                                                                                                                                        |                       |                                                                     |               |                    |
| Format             | Total ICMP packet rate limit \$limit:%u: exceeded. Drop all ICMP packets for next \$lockup_period:%u: seconds                          |                       |                                                                     |               |                    |
| Example            | Total ICMP packet rate limit 1 exceeded. Drop all ICMP packets for next 1 seconds                                                      |                       |                                                                     |               |                    |
| Variable           | Type                                                                                                                                   | Value                 |                                                                     | Description   |                    |
| limit              | Unsigned Integer                                                                                                                       | 1-65535               |                                                                     | Rate Limit    |                    |
| lockup_period      | Unsigned Integer                                                                                                                       | 1-65535               |                                                                     | Lockup Period |                    |

|                |                                                                                                                                                                                                                                                      |                       |                                                                       |               |                       |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------|---------------|-----------------------|
| icmp_exceed    | 176502402583625729                                                                                                                                                                                                                                   | Both Local and Remote | ICMPv6 packet rate limit exceeded, Drop all packets for lockup period | information   | system.icmp6          |
| CEF            |                                                                                                                                                                                                                                                      |                       |                                                                       |               |                       |
| Format         | cn1=\$limit:%u: cn1Label=Rate Limit cn2=\$lockup_period:%u: cn2Label=Lockup Period                                                                                                                                                                   |                       |                                                                       |               |                       |
| Example        | cn1=1 cn1Label=Rate Limit cn2=1 cn2Label=Lockup Period                                                                                                                                                                                               |                       |                                                                       |               |                       |
| SYSLOG         |                                                                                                                                                                                                                                                      |                       |                                                                       |               |                       |
| Format         | Total ICMPV6 packet rate limit \$limit:%u: exceeded. Drop all ICMPV6 packets for next \$lockup_period:%u: seconds                                                                                                                                    |                       |                                                                       |               |                       |
| Example        | Total ICMPV6 packet rate limit 1 exceeded. Drop all ICMPV6 packets for next 1 seconds                                                                                                                                                                |                       |                                                                       |               |                       |
| Variable       | Type                                                                                                                                                                                                                                                 | Value                 |                                                                       | Description   |                       |
| limit          | Unsigned Integer                                                                                                                                                                                                                                     | 1-65535               |                                                                       | Rate Limit    |                       |
| lockup_period  | Unsigned Integer                                                                                                                                                                                                                                     | 1-65535               |                                                                       | Lockup Period |                       |
| entry_added_v4 | 177434788443979777                                                                                                                                                                                                                                   | Both Local and Remote | IP-ThreatList added entry for IPv4                                    | information   | system.ip-threat-list |
| CEF            |                                                                                                                                                                                                                                                      |                       |                                                                       |               |                       |
| Format         | threatAddressV4=\$threatIpv4:%s: src=\$srcIpv4:%s: spt=\$srcPort:%d: dst=\$destIpv4:%s: dpt=\$destPort:%d: proto=\$transportProto:%s: classList=\$classList:%s:                                                                                      |                       |                                                                       |               |                       |
| Example        | threatAddressV4=5.5.5.5 src=5.5.5.5 spt=1000 dst=192.168.100.101 dpt=8000 proto=UDP classList=cl-v4                                                                                                                                                  |                       |                                                                       |               |                       |
| SYSLOG         |                                                                                                                                                                                                                                                      |                       |                                                                       |               |                       |
| Format         | IP-ThreatList added entry for IPv4 \$threat-ipv4:%s: due to packet from Source IP \$src-ip-v4:%s: and Source Port \$src-port:%d: to Dest IP \$dest-ip-v4:%s: and Dest Port \$dest-port:%d: Protocol \$proto:%s: matching class-list \$class-list:%s: |                       |                                                                       |               |                       |
| Example        | IP-ThreatList added entry for IPv4 5.5.5.5 due to packet from Source IP 5.5.5.5 and Source Port 1000 to Dest IP 192.168.100.101 and Dest Port 8000 Protocol UDP matching class-list cl-v4                                                            |                       |                                                                       |               |                       |
| Variable       | Type                                                                                                                                                                                                                                                 | Value                 |                                                                       | Description   |                       |
| threat-ipv4    | IP V4 Address                                                                                                                                                                                                                                        | {IPv4}                |                                                                       | IPv4          |                       |
| src-ip-v4      | IP V4 Address                                                                                                                                                                                                                                        | {Source_IPv4}         |                                                                       | Source IPv4   |                       |
| src-port       | Integer                                                                                                                                                                                                                                              | {Source_Port}         |                                                                       | Source Port   |                       |
| dest-ip-v4     | IP V4 Address                                                                                                                                                                                                                                        | {Dest_IPv4}           |                                                                       | Dest IPv4     |                       |
| dest-port      | Integer                                                                                                                                                                                                                                              | {Dest_IP_Port}        |                                                                       | Dest IP Port  |                       |

|                |                                                                                                                                                                                                                                                      |                       |                                    |                     |                       |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------|---------------------|-----------------------|
| proto          | String                                                                                                                                                                                                                                               | {Protocol}            |                                    | Protocol            |                       |
| class-list     | String                                                                                                                                                                                                                                               | {class-list_name}     |                                    | class-list name     |                       |
| threatIpv4     | IP V4 Address                                                                                                                                                                                                                                        | {Threat_IPv4_address} |                                    | Threat IPv4 address |                       |
| srcIpv4        | IP V4 Address                                                                                                                                                                                                                                        | {Source_IPv4}         |                                    | Source IPv4         |                       |
| srcPort        | Integer                                                                                                                                                                                                                                              | {Source_Port}         |                                    | Source Port         |                       |
| destIpv4       | IP V4 Address                                                                                                                                                                                                                                        | {Dest_IPv4}           |                                    | Dest IPv4           |                       |
| destPort       | Integer                                                                                                                                                                                                                                              | {Dest_IP_Port}        |                                    | Dest IP Port        |                       |
| transportProto | String                                                                                                                                                                                                                                               | {Transport_Protocol}  |                                    | Transport Protocol  |                       |
| classList      | String                                                                                                                                                                                                                                               | {class_list_name}     |                                    | class list name     |                       |
| entry_added_v6 | 177434788443979778                                                                                                                                                                                                                                   | Both Local and Remote | IP-ThreatList added entry for IPv6 | information         | system.ip-threat-list |
| CEF            |                                                                                                                                                                                                                                                      |                       |                                    |                     |                       |
| Format         | threatAddressV6=\$threatIpv6:%s: c6a2=\$srcIpv6:%s: c6a2Label=srcIpv6 spt=\$srcPort:%d: c6a3=\$destIpv6:%s: c6a3Label=destIpv6: dpt=\$destPort:%d: proto=\$transportProto:%s: classList=\$classList:%s:                                              |                       |                                    |                     |                       |
| Example        | threatAddressV6=2001:ABCD::7 c6a2=2001:ABCD::7 c6a2Label=srcIpv6 spt=1000 c6a3=4002::8 c6a3Label=destIpv6: dpt=8000 proto=UDP classList=cl-v6                                                                                                        |                       |                                    |                     |                       |
| SYSLOG         |                                                                                                                                                                                                                                                      |                       |                                    |                     |                       |
| Format         | IP-ThreatList added entry for IPv6 \$threat-ipv6:%s: due to packet from Source IP \$src-ip-v6:%s: and Source Port \$src-port:%d: to Dest IP \$dest-ip-v6:%s: and Dest Port \$dest-port:%d: Protocol \$proto:%s: matching class-list \$class-list:%s: |                       |                                    |                     |                       |
| Example        | IP-ThreatList added entry for IPv6 2001:ABCD::7 due to packet from Source IP 2001:ABCD::7 and Source Port 1000 to Dest IP 4002::8 and Dest Port 8000 Protocol UDP matching class-list cl-v6                                                          |                       |                                    |                     |                       |
| Variable       | Type                                                                                                                                                                                                                                                 | Value                 |                                    | Description         |                       |
| threat-ipv6    | IP V6 Address                                                                                                                                                                                                                                        | {IPv6}                |                                    | IPv6                |                       |
| src-ip-v6      | IP V6 Address                                                                                                                                                                                                                                        | {Source_IPv6}         |                                    | Source IPv6         |                       |
| src-port       | Integer                                                                                                                                                                                                                                              | {Source_Port}         |                                    | Source Port         |                       |
| dest-ip-v6     | IP V6 Address                                                                                                                                                                                                                                        | {Dest_IPv6}           |                                    | Dest IPv6           |                       |
| dest-port      | Integer                                                                                                                                                                                                                                              | {Dest_IP_Port}        |                                    | Dest IP Port        |                       |
| proto          | String                                                                                                                                                                                                                                               | {Protocol}            |                                    | Protocol            |                       |
| class-list     | String                                                                                                                                                                                                                                               | {class-list_name}     |                                    | class-list name     |                       |

|                  |                                                        |                       |                                      |                     |                       |
|------------------|--------------------------------------------------------|-----------------------|--------------------------------------|---------------------|-----------------------|
| threatIpv6       | IP V6 Address                                          | {Threat_IPv6_address} |                                      | Threat IPv6 address |                       |
| srcIpv6          | IP V6 Address                                          | {Source_IPv6}         |                                      | Source IPv6         |                       |
| srcPort          | Integer                                                | {Source_Port}         |                                      | Source Port         |                       |
| destIpv6         | IP V6 Address                                          | {Dest_IPv6}           |                                      | Dest IPv6           |                       |
| destPort         | Integer                                                | {Dest_IP_Port}        |                                      | Dest IP Port        |                       |
| transportProto   | String                                                 | {Transport_Protocol}  |                                      | Transport Protocol  |                       |
| classList        | String                                                 | {class_list_name}     |                                      | class list name     |                       |
| entry_removed_v4 | 177434788443979779                                     | Both Local and Remote | IP-ThreatList removed entry for IPv4 | information         | system.ip-threat-list |
| CEF              |                                                        |                       |                                      |                     |                       |
| Format           | threatAddressV4=\$threat-ipv4:%s:                      |                       |                                      |                     |                       |
| Example          | threatAddressV4=5.5.5.5                                |                       |                                      |                     |                       |
| SYSLOG           |                                                        |                       |                                      |                     |                       |
| Format           | IP-ThreatList removed entry for IPv4 \$threat-ipv4:%s: |                       |                                      |                     |                       |
| Example          | IP-ThreatList removed entry for IPv4 5.5.5.5           |                       |                                      |                     |                       |
| Variable         | Type                                                   | Value                 |                                      | Description         |                       |
| threat-ipv4      | IP V4 Address                                          | {IPv4}                |                                      | IPv4                |                       |
| entry_removed_v6 | 177434788443979780                                     | Both Local and Remote | IP-ThreatList removed entry for IPv6 | information         | system.ip-threat-list |
| CEF              |                                                        |                       |                                      |                     |                       |
| Format           | threatAddressV6=\$threat-ipv6:%s:                      |                       |                                      |                     |                       |
| Example          | threatAddressV6=2001:ABCD::7                           |                       |                                      |                     |                       |
| SYSLOG           |                                                        |                       |                                      |                     |                       |
| Format           | IP-ThreatList removed entry for IPv6 \$threat-ipv6:%s: |                       |                                      |                     |                       |
| Example          | IP-ThreatList removed entry for IPv6 2001:ABCD::7      |                       |                                      |                     |                       |
| Variable         | Type                                                   | Value                 |                                      | Description         |                       |
| threat-ipv6      | IP V6 Address                                          | {IPv6}                |                                      | IPv6                |                       |
|                  |                                                        |                       |                                      |                     |                       |

|                                                                          |                    |                       |                             |       |             |
|--------------------------------------------------------------------------|--------------------|-----------------------|-----------------------------|-------|-------------|
| mc-watchdog-fail                                                         | 176308888537137154 | Both Local and Remote | ipmitool mc watchdog failed | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format ipmitool mc watchdog get failure                                  |                    |                       |                             |       |             |
| sel-time-get-fail                                                        | 176308888537137155 | Both Local and Remote | ipmitool sel time failed    | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format ipmitool sel time get failure                                     |                    |                       |                             |       |             |
| sel-time-set-fail                                                        | 176308888537137160 | Both Local and Remote | ipmitool sel time failed    | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format ipmitool sel time set failed                                      |                    |                       |                             |       |             |
| set-flash-interval-fail                                                  | 176308888537137161 | Both Local and Remote | ipmitool flash check failed | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format Set flash check interval failed                                   |                    |                       |                             |       |             |
| set-flash-interval-fail-1                                                | 176308888537137162 | Both Local and Remote | ipmitool flash check failed | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format Set flash check interval failed interval should be greater than 0 |                    |                       |                             |       |             |
| set-reset-interval-fail                                                  | 176308888537137166 | Both Local and Remote | ipmitool reset failed       | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format failed to change reset interval                                   |                    |                       |                             |       |             |
| set-ssd-interval-fail                                                    | 176308888537137163 | Both Local and Remote | ipmitool ssd check failed   | error | system.ipmi |
| SYSLOG                                                                   |                    |                       |                             |       |             |
| Format Set ssd check interval failed                                     |                    |                       |                             |       |             |
| set-ssd-interval-fail-1                                                  | 176308888537137164 | Both Local and Remote | ipmitool ssd check failed   | error | system.ipmi |



|                                |                    |                                                                                           |                                |       |               |
|--------------------------------|--------------------|-------------------------------------------------------------------------------------------|--------------------------------|-------|---------------|
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | Set ssd check interval failed - interval should be greater than 0                         |                                |       |               |
| show-flash-interval-fail       | 176308888537137157 | Both Local and Remote                                                                     | ipmitool flash check failed    | error | system.ipmi   |
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | show flash check interval failed                                                          |                                |       |               |
| show-reset-interval-fail       | 176308888537137156 | Both Local and Remote                                                                     | ipmitool reset interval failed | error | system.ipmi   |
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | show reset interval failed                                                                |                                |       |               |
| show-ssd-interval-fail         | 176308888537137158 | Both Local and Remote                                                                     | ipmitool ssd check failed      | error | system.ipmi   |
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | show ssd check interval failed                                                            |                                |       |               |
| show-suppress-interval-fail    | 176308888537137159 | Both Local and Remote                                                                     | ipmitool suppress failed       | error | system.ipmi   |
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | show suppress interval failed                                                             |                                |       |               |
| watchdog-init-countdown-fail   | 176308888537137167 | Both Local and Remote                                                                     | ipmitool watchdog failed       | error | system.ipmi   |
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | ipmitool watchdog set failed: initial countdown is less than reset interval + pre-timeout |                                |       |               |
| watchdog-init-pre-timeout-fail | 176308888537137168 | Both Local and Remote                                                                     | ipmitool watchdog failed       | error | system.ipmi   |
| SYSLOG                         |                    |                                                                                           |                                |       |               |
| Format                         |                    | ipmitool watchdog pre-timeout interval failed                                             |                                |       |               |
| already-free                   | 176027413560426500 | Both Local and Remote                                                                     | Memory already freed           | error | system.memory |
| SYSLOG                         |                    |                                                                                           |                                |       |               |

| Format           |                    | In Cache free: Memory already freed, \$position:%s:.             |                       |             |               |
|------------------|--------------------|------------------------------------------------------------------|-----------------------|-------------|---------------|
| Example          |                    | In Cache free: Memory already freed, 0x001.                      |                       |             |               |
| Variable         | Type               | Value                                                            |                       | Description |               |
| position         | String             | {position}                                                       |                       | position    |               |
| cache-not-found  | 176027413560426501 | Both Local and Remote                                            | cache chunk not found | error       | system.memory |
| SYSLOG           |                    |                                                                  |                       |             |               |
| Format           |                    | Cache Flush array failed to find cache chunk for \$position:%s:. |                       |             |               |
| Example          |                    | Cache Flush array failed to find cache chunk for 0x001.          |                       |             |               |
| Variable         | Type               | Value                                                            |                       | Description |               |
| position         | String             | {position}                                                       |                       | position    |               |
| entry-not-found  | 176027413560426503 | Both Local and Remote                                            | entry not found       | error       | system.memory |
| SYSLOG           |                    |                                                                  |                       |             |               |
| Format           |                    | System memory resource entry not found.                          |                       |             |               |
| rezone-violation | 176027413560426505 | Both Local and Remote                                            | memory rezone failure | error       | system.memory |
| SYSLOG           |                    |                                                                  |                       |             |               |
| Format           |                    | Memory rezone violation. OBJ=\$position:%s:, \$size:%s:n         |                       |             |               |
| Example          |                    | Memory rezone violation. OBJ=0x001, size=1024n                   |                       |             |               |
| Variable         | Type               | Value                                                            |                       | Description |               |
| position         | String             | {position}                                                       |                       | position    |               |
| size             | String             | {size}                                                           |                       | size        |               |
| size-big         | 176027413560426504 | Both Local and Remote                                            | size error            | error       | system.memory |
| SYSLOG           |                    |                                                                  |                       |             |               |
| Format           |                    | Pool \$position:%s:, obj size too big \$size:%d:                 |                       |             |               |
| Example          |                    | Pool 0x001, obj size too big 1024                                |                       |             |               |
|                  |                    |                                                                  |                       |             |               |

| Variable               | Type                                                            | Value                 |                                           | Description |                              |
|------------------------|-----------------------------------------------------------------|-----------------------|-------------------------------------------|-------------|------------------------------|
| position               | String                                                          | {position}            |                                           | position    |                              |
| size                   | Integer                                                         | {size}                |                                           | size        |                              |
| wrong-magic            | 176027413560426502                                              | Both Local and Remote | wrong magic                               | error       | system.memory                |
| SYSLOG                 |                                                                 |                       |                                           |             |                              |
| Format                 | In Cache_Alloc: Wrong magic, \$position:%s:.                    |                       |                                           |             |                              |
| Example                | In Cache_Alloc: Wrong magic, 0x001 0x002.                       |                       |                                           |             |                              |
| Variable               | Type                                                            | Value                 |                                           | Description |                              |
| position               | String                                                          | {position}            |                                           | position    |                              |
| wrong-trailer          | 176027413560426498                                              | Both Local and Remote | Wrong trailer from cache free             | error       | system.memory                |
| SYSLOG                 |                                                                 |                       |                                           |             |                              |
| Format                 | In Cache free: Wrong trailer. \$position:%s:                    |                       |                                           |             |                              |
| Example                | In Cache free: Wrong trailer. 0x001 0x002                       |                       |                                           |             |                              |
| Variable               | Type                                                            | Value                 |                                           | Description |                              |
| position               | String                                                          | {position}            |                                           | position    |                              |
| wrong-trailer-addendum | 176027413560426499                                              | Both Local and Remote | Wrong trailer addendum during memory free | error       | system.memory                |
| SYSLOG                 |                                                                 |                       |                                           |             |                              |
| Format                 | \$position:%s:                                                  |                       |                                           |             |                              |
| Example                | 0x001 0x002 0x003 0x004                                         |                       |                                           |             |                              |
| Variable               | Type                                                            | Value                 |                                           | Description |                              |
| position               | String                                                          | {position}            |                                           | position    |                              |
| info                   | 177557933746290689                                              | Both Local and Remote | port configure changed                    | information | system.probe-network-devices |
| SYSLOG                 |                                                                 |                       |                                           |             |                              |
| Format                 | System port Configuration changed after probing network devices |                       |                                           |             |                              |
|                        |                                                                 |                       |                                           |             |                              |

| access-challenge                                                                                                  | 176995258670776335 | Both Local and Remote | RADIUS access-challenge missing state         | error       | system.radius.server |
|-------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|-----------------------------------------------|-------------|----------------------|
| SYSLOG                                                                                                            |                    |                       |                                               |             |                      |
| Format RADIUS access-challenge received with State or Reply-Message missing.                                      |                    |                       |                                               |             |                      |
| bind-fail                                                                                                         | 176995258670776326 | Both Local and Remote | Radius authenticate bind failed               | error       | system.radius.server |
| SYSLOG                                                                                                            |                    |                       |                                               |             |                      |
| Format Radius authenticate bind failed.                                                                           |                    |                       |                                               |             |                      |
| id-not-match                                                                                                      | 176995258670776332 | Both Local and Remote | Response packet ID does not match             | warning     | system.radius.server |
| SYSLOG                                                                                                            |                    |                       |                                               |             |                      |
| Format Response packet ID \$id1:%d: does not match the request packet ID \$id2:%d:: verification of packet fails. |                    |                       |                                               |             |                      |
| Example Response packet ID 1 does not match the request packet ID 2: verification of packet fails.                |                    |                       |                                               |             |                      |
| Variable                                                                                                          | Type               | Value                 |                                               | Description |                      |
| id1                                                                                                               | Integer            | {packet_id}           |                                               | packet id   |                      |
| id2                                                                                                               | Integer            | {packet_id}           |                                               | packet id   |                      |
| ignor-dup                                                                                                         | 176995258670776334 | Both Local and Remote | ignoring duplicate client id                  | warning     | system.radius.server |
| SYSLOG                                                                                                            |                    |                       |                                               |             |                      |
| Format Ignoring duplicate \$info:%s:.                                                                             |                    |                       |                                               |             |                      |
| Example Ignoring duplicate client-id=11..                                                                         |                    |                       |                                               |             |                      |
| Variable                                                                                                          | Type               | Value                 |                                               | Description |                      |
| info                                                                                                              | String             | {client_id}           |                                               | client id   |                      |
| missing-a10                                                                                                       | 176995258670776336 | Both Local and Remote | System doesn't get the A10 specific attribute | error       | system.radius.server |
| SYSLOG                                                                                                            |                    |                       |                                               |             |                      |
| Format System doesn't get the A10 specific attribute from the RADIUS server.                                      |                    |                       |                                               |             |                      |
| missing-config                                                                                                    | 176995258670776321 | Both Local and Remote | Could not get radius server configuration     | error       | system.radius.server |

|                 |                    |                                                                              |                                                      |                    |                      |
|-----------------|--------------------|------------------------------------------------------------------------------|------------------------------------------------------|--------------------|----------------------|
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | Could not get radius server configuration.                                   |                                                      |                    |                      |
| missing-mem     | 176995258670776322 | Both Local and Remote                                                        | Could not get memory                                 | error              | system.radius.server |
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | Could not get memory.                                                        |                                                      |                    |                      |
| missing-priv    | 176995258670776338 | Both Local and Remote                                                        | System doesn't get the A10-Admin-Privilege attribute | information        | system.radius.server |
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | System doesn't get the A10-Admin-Privilege attribute from the RADIUS server. |                                                      |                    |                      |
| nas-ip-fail     | 176995258670776324 | Both Local and Remote                                                        | Look up NAS-IP-Address failed                        | warning            | system.radius.server |
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | Look up NAS-IP-Address failed.                                               |                                                      |                    |                      |
| no-reponse      | 176995258670776327 | Both Local and Remote                                                        | RADIUS server failed to respond                      | error              | system.radius.server |
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | RADIUS server \$info:%s: failed to respond.                                  |                                                      |                    |                      |
| Example         |                    | RADIUS server 1.1.1.1. failed to respond.                                    |                                                      |                    |                      |
| <b>Variable</b> | <b>Type</b>        | <b>Value</b>                                                                 |                                                      | <b>Description</b> |                      |
| info            | String             | {server_address}                                                             |                                                      | server address     |                      |
| none            | 176995258670776323 | Both Local and Remote                                                        | Could not get radius server                          | error              | system.radius.server |
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | No RADIUS server found.                                                      |                                                      |                    |                      |
| none-reponse    | 176995258670776333 | Both Local and Remote                                                        | All RADIUS server failed to respond                  | error              | system.radius.server |
| <b>SYSLOG</b>   |                    |                                                                              |                                                      |                    |                      |
| Format          |                    | All RADIUS servers failed to respond.                                        |                                                      |                    |                      |
|                 |                    |                                                                              |                                                      |                    |                      |

| pkt-corrupt | 176995258670776330                                                    | Both Local and Remote | RADIUS packet is corrupted                    | error          | system.radius.server |
|-------------|-----------------------------------------------------------------------|-----------------------|-----------------------------------------------|----------------|----------------------|
| SYSLOG      |                                                                       |                       |                                               |                |                      |
| Format      | RADIUS packet from server \$info:%s: is corrupted.                    |                       |                                               |                |                      |
| Example     | RADIUS packet from server 1.1.1.1. is corrupted.                      |                       |                                               |                |                      |
| Variable    | Type                                                                  | Value                 |                                               | Description    |                      |
| info        | String                                                                | {server_address}      |                                               | server address |                      |
| reading-err | 176995258670776329                                                    | Both Local and Remote | Error reading for response from RADIUS server | error          | system.radius.server |
| SYSLOG      |                                                                       |                       |                                               |                |                      |
| Format      | Error reading for response from RADIUS server \$info:%s: : \$len:%d:. |                       |                                               |                |                      |
| Example     | Error reading for response from RADIUS server 1.1.1.1. : 1.           |                       |                                               |                |                      |
| Variable    | Type                                                                  | Value                 |                                               | Description    |                      |
| info        | String                                                                | {server_address}      |                                               | server address |                      |
| len         | Integer                                                               | {packet_length}       |                                               | packet length  |                      |
| snd-pkt-err | 176995258670776325                                                    | Both Local and Remote | Error sending RADIUS packet to server         | error          | system.radius.server |
| SYSLOG      |                                                                       |                       |                                               |                |                      |
| Format      | Error sending RADIUS packet to server \$info:%s: : \$len:%d:.         |                       |                                               |                |                      |
| Example     | Error sending RADIUS packet to server 1.1.1.1. : 1.                   |                       |                                               |                |                      |
| Variable    | Type                                                                  | Value                 |                                               | Description    |                      |
| info        | String                                                                | {server_address}      |                                               | server address |                      |
| len         | Integer                                                               | {packet_length}       |                                               | packet length  |                      |
| vendor-info | 176995258670776337                                                    | Both Local and Remote | System gets the vendor specific attribute     | information    | system.radius.server |
| SYSLOG      |                                                                       |                       |                                               |                |                      |
| Format      | System gets the vendor specific attribute value: \$id:%s:             |                       |                                               |                |                      |
| Example     | System gets the vendor specific attribute value: 1108                 |                       |                                               |                |                      |
|             |                                                                       |                       |                                               |                |                      |

| Variable            | Type                                                                                              | Value                 |                                                        | Description    |                           |
|---------------------|---------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------|----------------|---------------------------|
| id                  | String                                                                                            | {vendor_id}           |                                                        | vendor id      |                           |
| verify-fail         | 176995258670776331                                                                                | Both Local and Remote | RADIUS packet fails verification                       | error          | system.radius.server      |
| SYSLOG              |                                                                                                   |                       |                                                        |                |                           |
| Format              | RADIUS packet from server \$info:%s: fails verification: The shared secret is probably incorrect. |                       |                                                        |                |                           |
| Example             | RADIUS packet from server 1.1.1.1. fails verification: The shared secret is probably incorrect.   |                       |                                                        |                |                           |
| Variable            | Type                                                                                              | Value                 |                                                        | Description    |                           |
| info                | String                                                                                            | {server_address}      |                                                        | server address |                           |
| verify-message-auth | 176995258670776339                                                                                | Both Local and Remote | Verification of Message-Authenticator attribute failed | error          | system.radius.server      |
| SYSLOG              |                                                                                                   |                       |                                                        |                |                           |
| Format              | Verification of Message-Authenticator attribute failed.                                           |                       |                                                        |                |                           |
| waiting-err         | 176995258670776328                                                                                | Both Local and Remote | Error waiting for response from RADIUS server          | error          | system.radius.server      |
| SYSLOG              |                                                                                                   |                       |                                                        |                |                           |
| Format              | Error waiting for response from RADIUS server \$info:%s: : \$len:%d:.                             |                       |                                                        |                |                           |
| Example             | Error waiting for response from RADIUS server 1.1.1.1. : 1.                                       |                       |                                                        |                |                           |
| Variable            | Type                                                                                              | Value                 |                                                        | Description    |                           |
| info                | String                                                                                            | {server_address}      |                                                        | server address |                           |
| len                 | Integer                                                                                           | {packet_length}       |                                                        | packet length  |                           |
| info                | 177469972816068609                                                                                | Both Local and Remote | Number of Descriptor size per queue for port changed   | information    | system.set-rxtx-desc-size |
| SYSLOG              |                                                                                                   |                       |                                                        |                |                           |
| Format              | Number of Descriptor size per queue for port index \$index:%d: is successfully set.               |                       |                                                        |                |                           |
| Example             | Number of Descriptor size per queue for port index 1 is successfully set.                         |                       |                                                        |                |                           |
| Variable            | Type                                                                                              | Value                 |                                                        | Description    |                           |
| index               | Integer                                                                                           | {port_index}          |                                                        | port index     |                           |
|                     |                                                                                                   |                       |                                                        |                |                           |

|                     |                                                                           |                       |                                                         |              |                        |
|---------------------|---------------------------------------------------------------------------|-----------------------|---------------------------------------------------------|--------------|------------------------|
| info                | 177487565002113025                                                        | Both Local and Remote | Number of Queues per port changed                       | information  | system.set-rxtx-queue  |
| SYSLOG              |                                                                           |                       |                                                         |              |                        |
| Format              | Number of Queues per port for port index \$index:%d: is successfully set. |                       |                                                         |              |                        |
| Example             | Number of Queues per port for port index 1 is successfully set.           |                       |                                                         |              |                        |
| Variable            | Type                                                                      | Value                 |                                                         | Description  |                        |
| index               | Integer                                                                   | {port_index}          |                                                         | port index   |                        |
| mismatch-correction | 177892185281134594                                                        | Both Local and Remote | ARP/ND6/IPv4 FIB/IPv6 FIB/MAC table mismatch correction | notification | system.table-integrity |
| CEF                 |                                                                           |                       |                                                         |              |                        |
| Format              | cs1=\$table_name:%s: cs1Label=Table name                                  |                       |                                                         |              |                        |
| Example             | cs1=ARP table cs1Label=Table name                                         |                       |                                                         |              |                        |
| SYSLOG              |                                                                           |                       |                                                         |              |                        |
| Format              | \$table_name:%s: mismatch corrected                                       |                       |                                                         |              |                        |
| Example             | ARP table mismatch corrected                                              |                       |                                                         |              |                        |
| Variable            | Type                                                                      | Value                 |                                                         | Description  |                        |
| table_name          | String                                                                    | {table_name}          |                                                         | table name   |                        |
| mismatch-error      | 177892185281134593                                                        | Both Local and Remote | ARP/ND6/IPv4 FIB/IPv6 FIB/MAC table mismatch            | error        | system.table-integrity |
| CEF                 |                                                                           |                       |                                                         |              |                        |
| Format              | cs1=\$table_name:%s: cs1Label=Table name                                  |                       |                                                         |              |                        |
| Example             | cs1=ARP table cs1Label=Table name                                         |                       |                                                         |              |                        |
| SYSLOG              |                                                                           |                       |                                                         |              |                        |
| Format              | \$table_name:%s: mismatch detected                                        |                       |                                                         |              |                        |
| Example             | ARP table mismatch detected                                               |                       |                                                         |              |                        |
| Variable            | Type                                                                      | Value                 |                                                         | Description  |                        |
| table_name          | String                                                                    | {table_name}          |                                                         | table name   |                        |
|                     |                                                                           |                       |                                                         |              |                        |



| ftp-abnormal-failed       | 177417196257935363 | Both Local and Remote                                                         | ftp failed            | error                                 | system.timeout-value |
|---------------------------|--------------------|-------------------------------------------------------------------------------|-----------------------|---------------------------------------|----------------------|
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |
| Format                    |                    | ftp: abnormal terminated.                                                     |                       |                                       |                      |
| ftp-failed                | 177417196257935385 | Both Local and Remote                                                         | ftp failed            | error                                 | system.timeout-value |
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |
| Format                    |                    | ftp: \$state:%s:                                                              |                       |                                       |                      |
| Example                   |                    | ftp: Failed initialization                                                    |                       |                                       |                      |
| Variable                  | Type               | Value                                                                         |                       | Description                           |                      |
| state                     | String             | {error_message_from_curl_easy_strerror}                                       |                       | error message from curl_easy_strerror |                      |
| ftp-open-nectrc-failed    | 177417196257935361 | Both Local and Remote                                                         | open ftp file failed  | error                                 | system.timeout-value |
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |
| Format                    |                    | FTP: Unable to open netrc file                                                |                       |                                       |                      |
| ftp-write-nectrc-failed   | 177417196257935362 | Both Local and Remote                                                         | write ftp file failed | error                                 | system.timeout-value |
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |
| Format                    |                    | FTP: Unable to write netrc file                                               |                       |                                       |                      |
| insufficient-disk-space   | 177417196257935364 | Both Local and Remote                                                         | disk is full          | error                                 | system.timeout-value |
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |
| Format                    |                    | Warning: Insufficient disk spaceIt may cause the failure of retrieving files. |                       |                                       |                      |
| scp-abnormal-failed       | 177417196257935380 | Both Local and Remote                                                         | scp failed            | error                                 | system.timeout-value |
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |
| Format                    |                    | scp: abnormal terminated.                                                     |                       |                                       |                      |
| scp-file-permission-error | 177417196257935383 | Both Local and Remote                                                         | scp file error        | error                                 | system.timeout-value |
| <b>SYSLOG</b>             |                    |                                                                               |                       |                                       |                      |

|                            |                    |                                                                 |              |                |                      |
|----------------------------|--------------------|-----------------------------------------------------------------|--------------|----------------|----------------------|
| Format                     |                    | scp: No such file or Permission denied.                         |              |                |                      |
| scp-no-space-error         | 177417196257935384 | Both Local and Remote                                           | disk is full | error          | system.timeout-value |
| SYSLOG                     |                    |                                                                 |              |                |                      |
| Format                     |                    | scp: No space left on device.                                   |              |                |                      |
| scp-password-error         | 177417196257935381 | Both Local and Remote                                           | scp failed   | error          | system.timeout-value |
| SYSLOG                     |                    |                                                                 |              |                |                      |
| Format                     |                    | scp: password error.                                            |              |                |                      |
| scp-su_SCPFile-exit        | 177417196257935379 | Both Local and Remote                                           | process exit | error          | system.timeout-value |
| SYSLOG                     |                    |                                                                 |              |                |                      |
| Format                     |                    | su_SCPFile child exited abnormally.                             |              |                |                      |
| scp-timeout-error          | 177417196257935382 | Both Local and Remote                                           | scp timeout  | error          | system.timeout-value |
| SYSLOG                     |                    |                                                                 |              |                |                      |
| Format                     |                    | scp: timeout.                                                   |              |                |                      |
| scp-transfer-failed-status | 177417196257935378 | Both Local and Remote                                           | scp failed   | error          | system.timeout-value |
| SYSLOG                     |                    |                                                                 |              |                |                      |
| Format                     |                    | scp: file transfer failed, please check settings. (\$value:%u:) |              |                |                      |
| Example                    |                    | scp: file transfer failed, please check settings. (1)           |              |                |                      |
| Variable                   | Type               | Value                                                           |              | Description    |                      |
| value                      | Unsigned Integer   | {invalid_option}                                                |              | invalid option |                      |
| sftp-abnormal-failed       | 177417196257935373 | Both Local and Remote                                           | sftp failed  | error          | system.timeout-value |
| SYSLOG                     |                    |                                                                 |              |                |                      |
| Format                     |                    | sftp: abnormal terminated.                                      |              |                |                      |
|                            |                    | Both Local and                                                  |              |                |                      |

|                                                 |                    |                       |              |       |                      |
|-------------------------------------------------|--------------------|-----------------------|--------------|-------|----------------------|
| sftp-file-permission-error                      | 177417196257935376 | Remote                | sftp failed  | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format sftp: No such file or Permission denied. |                    |                       |              |       |                      |
| sftp-no-space-error                             | 177417196257935377 | Both Local and Remote | disk is full | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format sftp: No space left on device.           |                    |                       |              |       |                      |
| sftp-password-error                             | 177417196257935374 | Both Local and Remote | sftp failed  | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format sftp: password error.                    |                    |                       |              |       |                      |
| sftp-timeout-error                              | 177417196257935375 | Both Local and Remote | sftp timeout | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format sftp: timeout.                           |                    |                       |              |       |                      |
| system-fread-error                              | 177417196257935370 | Both Local and Remote | fread failed | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format fread failure                            |                    |                       |              |       |                      |
| tftp-abnormal-failed                            | 177417196257935365 | Both Local and Remote | tftp failed  | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format tftp: abnormal terminated.               |                    |                       |              |       |                      |
| tftp-communication-error                        | 177417196257935368 | Both Local and Remote | tftp failed  | error | system.timeout-value |
| SYSLOG                                          |                    |                       |              |       |                      |
| Format tftp: communication error.               |                    |                       |              |       |                      |
| tftp-failed-status                              | 177417196257935386 | Both Local and Remote | tftp failed  | error | system.timeout-value |

| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
|--------------------|--------------------|-----------------------------------------|---------------------------------------------------------------------|----------------|----------------------|
| Format             |                    | tftp: failed, exit status = \$value:%u: |                                                                     |                |                      |
| Example            |                    | tftp: failed, exit status = 1           |                                                                     |                |                      |
| Variable           | Type               | Value                                   |                                                                     | Description    |                      |
| value              | Unsigned Integer   | {invalid_option}                        |                                                                     | invalid option |                      |
| tftp-local-error   | 177417196257935371 | Both Local and Remote                   | tftp local error (out of memory, can't create/read file, and so on) | error          | system.timeout-value |
| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
| Format             |                    | tftp: local error                       |                                                                     |                |                      |
| tftp-network-error | 177417196257935369 | Both Local and Remote                   | tftp failed                                                         | error          | system.timeout-value |
| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
| Format             |                    | tftp: network error.                    |                                                                     |                |                      |
| tftp-rec-error     | 177417196257935372 | Both Local and Remote                   | received some kind of error (like access denied).                   | error          | system.timeout-value |
| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
| Format             |                    | tftp: received error                    |                                                                     |                |                      |
| tftp-timeout-error | 177417196257935367 | Both Local and Remote                   | tftp timeout                                                        | error          | system.timeout-value |
| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
| Format             |                    | tftp: timeout.                          |                                                                     |                |                      |
| tftp-usage-error   | 177417196257935366 | Both Local and Remote                   | tftp failed                                                         | error          | system.timeout-value |
| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
| Format             |                    | tftp: usage error.                      |                                                                     |                |                      |
| Unkown-author      | 396316767208603657 | Both Local and Remote                   | Unkown authorization method                                         | error          | tacacs-server        |
| <b>SYSLOG</b>      |                    |                                         |                                                                     |                |                      |
| Format             |                    | Unkown authorization method             |                                                                     |                |                      |

| auth-fail | 396316767208603658                                  | Both Local and Remote | authorization failed with TACACS+ server | error       | tacacs-server |
|-----------|-----------------------------------------------------|-----------------------|------------------------------------------|-------------|---------------|
| SYSLOG    |                                                     |                       |                                          |             |               |
| Format    | authorization failed with TACACS+ server \$name:%s: |                       |                                          |             |               |
| Example   | authorization failed with TACACS+ server 1.1.1.1    |                       |                                          |             |               |
| Variable  | Type                                                | Value                 |                                          | Description |               |
| name      | String                                              | {server_name}         |                                          | server name |               |
| bind-info | 396316767208603649                                  | Both Local and Remote | tacacs server bind                       | information | tacacs-server |
| SYSLOG    |                                                     |                       |                                          |             |               |
| Format    | tacacs bind \$ip:%s: address is \$address:%s:       |                       |                                          |             |               |
| Example   | tacacs bind 1.1.1.1 address is 2.2.2.2              |                       |                                          |             |               |
| Variable  | Type                                                | Value                 |                                          | Description |               |
| ip        | String                                              | {ip_address}          |                                          | ip address  |               |
| address   | String                                              | {ip_address}          |                                          | ip address  |               |
| conn-err  | 396316767208603653                                  | Both Local and Remote | Connection error with TACACS             | error       | tacacs-server |
| SYSLOG    |                                                     |                       |                                          |             |               |
| Format    | Connection error with TACACS+ server \$name:%s:     |                       |                                          |             |               |
| Example   | Connection error with TACACS+ server 1.1.1.1        |                       |                                          |             |               |
| Variable  | Type                                                | Value                 |                                          | Description |               |
| name      | String                                              | {server_name}         |                                          | server name |               |
| down      | 396316767208603672                                  | Both Local and Remote | tacacs server is down                    | warning     | tacacs-server |
| SYSLOG    |                                                     |                       |                                          |             |               |
| Format    | Tacacs server \$name:%s: down.                      |                       |                                          |             |               |
| Example   | Tacacs server 1.1.1.1 down.                         |                       |                                          |             |               |
| Variable  | Type                                                | Value                 |                                          | Description |               |

|                  |                                                                         |                       |                                                              |                    |               |
|------------------|-------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------|--------------------|---------------|
| name             | String                                                                  | {server_name}         |                                                              | server name        |               |
| error-receive    | 396316767208603665                                                      | Both Local and Remote | Error receiving TACACS+ Authorization RESPONSE from server   | error              | tacacs-server |
| <b>SYSLOG</b>    |                                                                         |                       |                                                              |                    |               |
| Format           | Error receiving TACACS+ Authorization RESPONSE from server \$name:%s:   |                       |                                                              |                    |               |
| Example          | Error receiving TACACS+ Authorization RESPONSE from server 1.1.1.1      |                       |                                                              |                    |               |
| <b>Variable</b>  | <b>Type</b>                                                             | <b>Value</b>          |                                                              | <b>Description</b> |               |
| name             | String                                                                  | {server_name}         |                                                              | server name        |               |
| error-send       | 396316767208603664                                                      | Both Local and Remote | Error sending TACACS+ Authorization REQUEST packet to server | error              | tacacs-server |
| <b>SYSLOG</b>    |                                                                         |                       |                                                              |                    |               |
| Format           | Error sending TACACS+ Authorization REQUEST packet to server \$name:%s: |                       |                                                              |                    |               |
| Example          | Error sending TACACS+ Authorization REQUEST packet to server 1.1.1.1    |                       |                                                              |                    |               |
| <b>Variable</b>  | <b>Type</b>                                                             | <b>Value</b>          |                                                              | <b>Description</b> |               |
| name             | String                                                                  | {server_name}         |                                                              | server name        |               |
| fail-auth-debug  | 396316767208603670                                                      | Both Local and Remote | Fail to get authorization debug level                        | error              | tacacs-server |
| <b>SYSLOG</b>    |                                                                         |                       |                                                              |                    |               |
| Format           | Fail to get authorization debug level \$name:%s:                        |                       |                                                              |                    |               |
| Example          | Fail to get authorization debug level debug                             |                       |                                                              |                    |               |
| <b>Variable</b>  | <b>Type</b>                                                             | <b>Value</b>          |                                                              | <b>Description</b> |               |
| name             | String                                                                  | {debug_level_name}    |                                                              | debug level name   |               |
| fail-auth-method | 396316767208603669                                                      | Both Local and Remote | Fail to get authorization methods                            | error              | tacacs-server |
| <b>SYSLOG</b>    |                                                                         |                       |                                                              |                    |               |
| Format           | Fail to get authorization methods \$name:%s:                            |                       |                                                              |                    |               |
| Example          | Fail to get authorization methods 1.1.1.1                               |                       |                                                              |                    |               |
|                  |                                                                         |                       |                                                              |                    |               |

| Variable         | Type                                                                                             | Value                 |                                               | Description  |               |
|------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------|--------------|---------------|
| name             | String                                                                                           | {server_name}         |                                               | server name  |               |
| fail-get-server  | 396316767208603666                                                                               | Both Local and Remote | Fail to get TACACS+ servers                   | error        | tacacs-server |
| SYSLOG           |                                                                                                  |                       |                                               |              |               |
| Format           | Fail to get TACACS+ servers \$name:%s:                                                           |                       |                                               |              |               |
| Example          | Fail to get TACACS+ servers 1.1.1.1                                                              |                       |                                               |              |               |
| Variable         | Type                                                                                             | Value                 |                                               | Description  |               |
| name             | String                                                                                           | {server_name}         |                                               | server name  |               |
| fallback-mgmt    | 396316767208603673                                                                               | Both Local and Remote | TACACS+ Connection fallback to mgmt interface | information  | tacacs-server |
| SYSLOG           |                                                                                                  |                       |                                               |              |               |
| Format           | Failed to connect to TACACS+ server \$address:%s: via data interface, fallback to mgmt interface |                       |                                               |              |               |
| Example          | Failed to connect to TACACS+ server 2.2.2.2 via data interface, fallback to mgmt interface       |                       |                                               |              |               |
| Variable         | Type                                                                                             | Value                 |                                               | Description  |               |
| address          | String                                                                                           | {ip_address}          |                                               | ip address   |               |
| get-address-fail | 396316767208603652                                                                               | Both Local and Remote | tacacs server get address fail                | notification | tacacs-server |
| SYSLOG           |                                                                                                  |                       |                                               |              |               |
| Format           | \$notice:%s:                                                                                     |                       |                                               |              |               |
| Example          | Get address failed                                                                               |                       |                                               |              |               |
| Variable         | Type                                                                                             | Value                 |                                               | Description  |               |
| notice           | String                                                                                           | {more_info}           |                                               | more info    |               |
| invalid-status   | 396316767208603663                                                                               | Both Local and Remote | Invalid RESPONSE status from TACACS+ server   | error        | tacacs-server |
| SYSLOG           |                                                                                                  |                       |                                               |              |               |
| Format           | Invalid RESPONSE status from TACACS+ server \$name:%s:                                           |                       |                                               |              |               |
| Example          | Invalid RESPONSE status from TACACS+ server 1.1.1.1                                              |                       |                                               |              |               |
|                  |                                                                                                  |                       |                                               |              |               |

| Variable       | Type                                                                                                                  | Value                 |                                                                    | Description |               |
|----------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------|-------------|---------------|
| name           | String                                                                                                                | {server_name}         |                                                                    | server name |               |
| msg            | 396316767208603660                                                                                                    | Both Local and Remote | RESPONSE server message                                            | error       | tacacs-server |
| <b>SYSLOG</b>  |                                                                                                                       |                       |                                                                    |             |               |
| Format         | RESPONSE server message \$name:%s:                                                                                    |                       |                                                                    |             |               |
| Example        | RESPONSE server message Helloworld                                                                                    |                       |                                                                    |             |               |
| Variable       | Type                                                                                                                  | Value                 |                                                                    | Description |               |
| name           | String                                                                                                                | {message}             |                                                                    | message     |               |
| no-auth-method | 396316767208603661                                                                                                    | Both Local and Remote | RESPONSE data field MUST contain alternative authorization method  | error       | tacacs-server |
| <b>SYSLOG</b>  |                                                                                                                       |                       |                                                                    |             |               |
| Format         | RESPONSE data field MUST contain alternative authorization method                                                     |                       |                                                                    |             |               |
| no-character   | 396316767208603655                                                                                                    | Both Local and Remote | tacplus_shell_parse No characters are found on command line        | error       | tacacs-server |
| <b>SYSLOG</b>  |                                                                                                                       |                       |                                                                    |             |               |
| Format         | tacplus_shell_parse No characters are found on command line                                                           |                       |                                                                    |             |               |
| no-memory      | 396316767208603654                                                                                                    | Both Local and Remote | insufficient memory space                                          | error       | tacacs-server |
| <b>SYSLOG</b>  |                                                                                                                       |                       |                                                                    |             |               |
| Format         | tacplus_shell_parse insufficient memory space                                                                         |                       |                                                                    |             |               |
| no-server-auth | 396316767208603662                                                                                                    | Both Local and Remote | Authorization failed, other alt auth method indicated wont be used | error       | tacacs-server |
| <b>SYSLOG</b>  |                                                                                                                       |                       |                                                                    |             |               |
| Format         | None of the server indicated alternative authorization method will be used and the authorization is treated as failed |                       |                                                                    |             |               |
| no-server-use  | 396316767208603668                                                                                                    | Both Local and Remote | No more TACACS+ servers to use or not allowed to use               | error       | tacacs-server |
| <b>SYSLOG</b>  |                                                                                                                       |                       |                                                                    |             |               |



| Format                                                                              |                    |                       |                                         |             |               |
|-------------------------------------------------------------------------------------|--------------------|-----------------------|-----------------------------------------|-------------|---------------|
| No more TACACS+ servers to use or not allowed to use                                |                    |                       |                                         |             |               |
| parse-errorr                                                                        | 396316767208603667 | Both Local and Remote | Cannot parse the command line correctly | error       | tacacs-server |
| SYSLOG                                                                              |                    |                       |                                         |             |               |
| Format                                                                              |                    |                       |                                         |             |               |
| Cannot parse the command line correctly                                             |                    |                       |                                         |             |               |
| return-status                                                                       | 396316767208603659 | Both Local and Remote | TACACS+ server returns a FOLLOW status. | error       | tacacs-server |
| SYSLOG                                                                              |                    |                       |                                         |             |               |
| Format                                                                              |                    |                       |                                         |             |               |
| TACACS+ server \$name:%s: returns a FOLLOW status in Authorization RESPONSE packet. |                    |                       |                                         |             |               |
| Example                                                                             |                    |                       |                                         |             |               |
| TACACS+ server 1.1.1.1 returns a FOLLOW status in Authorization RESPONSE packet.    |                    |                       |                                         |             |               |
| Variable                                                                            | Type               | Value                 |                                         | Description |               |
| name                                                                                | String             | {server_name}         |                                         | server name |               |
| role-mismatch                                                                       | 396316767208603650 | Both Local and Remote | tacacs role mismatch                    | warning     | tacacs-server |
| SYSLOG                                                                              |                    |                       |                                         |             |               |
| Format                                                                              |                    |                       |                                         |             |               |
| Tacacs+ Role mismatch. Expected Role: \$warn:%s:                                    |                    |                       |                                         |             |               |
| Example                                                                             |                    |                       |                                         |             |               |
| Tacacs+ Role mismatch. Expected Role: GUI                                           |                    |                       |                                         |             |               |
| Variable                                                                            | Type               | Value                 |                                         | Description |               |
| warn                                                                                | String             | {role_name}           |                                         | role name   |               |
| unknown-auth                                                                        | 396316767208603671 | Both Local and Remote | Unkown authorization method             | error       | tacacs-server |
| SYSLOG                                                                              |                    |                       |                                         |             |               |
| Format                                                                              |                    |                       |                                         |             |               |
| Unkown authorization method                                                         |                    |                       |                                         |             |               |
| unrecognized-type                                                                   | 396316767208603656 | Both Local and Remote | unrecognized authorization type         | error       | tacacs-server |
| SYSLOG                                                                              |                    |                       |                                         |             |               |
| Format                                                                              |                    |                       |                                         |             |               |
| tacplus_cmdline_parse unrecognized authorization type                               |                    |                       |                                         |             |               |
| up                                                                                  | 396316767208603651 | Both Local and Remote | tacacs server is up                     | warning     | tacacs-server |

| <b>SYSLOG</b>     |                                                                  |                       |                                                 |              |          |
|-------------------|------------------------------------------------------------------|-----------------------|-------------------------------------------------|--------------|----------|
| Format            | Tacacs server \$name:%s: up                                      |                       |                                                 |              |          |
| Example           | Tacacs server 1.1.1.1 up                                         |                       |                                                 |              |          |
| Variable          | Type                                                             | Value                 |                                                 | Description  |          |
| name              | String                                                           | {server_name}         |                                                 | server name  |          |
| time-out          | 193654783976931329                                               | Both Local and Remote | terminal timeout                                | notification | terminal |
| <b>SYSLOG</b>     |                                                                  |                       |                                                 |              |          |
| Format            | The system will change terminal timeout to \$timeout:%u: seconds |                       |                                                 |              |          |
| Example           | The system will change terminal timeout to 1 seconds             |                       |                                                 |              |          |
| Variable          | Type                                                             | Value                 |                                                 | Description  |          |
| timeout           | Unsigned Integer                                                 | {time}                |                                                 | time         |          |
| compat-fail       | 364791569817010180                                               | Both Local and Remote | compatibility check failed.                     | warning      | upgrade  |
| <b>SYSLOG</b>     |                                                                  |                       |                                                 |              |          |
| Format            | compatibility check failed.                                      |                       |                                                 |              |          |
| dcs-image-corrupt | 364791569817010184                                               | Both Local and Remote | dcs img mgmt file is corrupt by ext img upgrade | error        | upgrade  |
| <b>SYSLOG</b>     |                                                                  |                       |                                                 |              |          |
| Format            | dcs img mgmt file is corrupt by ext img upgrade                  |                       |                                                 |              |          |
| fail-status       | 364791569817010177                                               | Both Local and Remote | Upgrade image is invalid                        | error        | upgrade  |
| <b>SYSLOG</b>     |                                                                  |                       |                                                 |              |          |
| Format            | Upgrade image \$status:%s:                                       |                       |                                                 |              |          |
| Example           | Upgrade image wrong image                                        |                       |                                                 |              |          |
| Variable          | Type                                                             | Value                 |                                                 | Description  |          |
| status            | String                                                           | {fail_info}           |                                                 | fail info    |          |
|                   |                                                                  | Both Local and        | file is invalid: image integrity                |              |          |

| integrity-fail                                           | 364791569817010182 | Remote                | test failed                                       | error         | upgrade    |
|----------------------------------------------------------|--------------------|-----------------------|---------------------------------------------------|---------------|------------|
| SYSLOG                                                   |                    |                       |                                                   |               |            |
| Format file is invalid: image integrity test failed      |                    |                       |                                                   |               |            |
| invalid-file                                             | 364791569817010181 | Both Local and Remote | Upgrade image file is invalid.                    | error         | upgrade    |
| SYSLOG                                                   |                    |                       |                                                   |               |            |
| Format Upgrade image file is invalid.                    |                    |                       |                                                   |               |            |
| invalid-gui-img                                          | 364791569817010185 | Both Local and Remote | Upgrade GUI image file is invalid.                | error         | upgrade    |
| SYSLOG                                                   |                    |                       |                                                   |               |            |
| Format Upgrade GUI image file is invalid.                |                    |                       |                                                   |               |            |
| invalid-rollback-gui-img                                 | 364791569817010186 | Both Local and Remote | Rollback GUI image file is invalid.               | error         | upgrade    |
| SYSLOG                                                   |                    |                       |                                                   |               |            |
| Format Rollback GUI image file is invalid.               |                    |                       |                                                   |               |            |
| old-image                                                | 364791569817010183 | Both Local and Remote | Upgrade image is too old for the current platform | warning       | upgrade    |
| SYSLOG                                                   |                    |                       |                                                   |               |            |
| Format Upgrade image is too old for the current platform |                    |                       |                                                   |               |            |
| warning                                                  | 364791569817010178 | Both Local and Remote | Upgrade exits with signals                        | warning       | upgrade    |
| SYSLOG                                                   |                    |                       |                                                   |               |            |
| Format \$cmd:%s: exit with \$sig:%s:                     |                    |                       |                                                   |               |            |
| Example upgrade exit with exit with SIG_QUIT             |                    |                       |                                                   |               |            |
| Variable                                                 | Type               | Value                 |                                                   | Description   |            |
| cmd                                                      | String             | {command_name}        |                                                   | command name  |            |
| sig                                                      | String             | {error_message}       |                                                   | error message |            |
| failed-vcs-status-changed                                | 63067986969231362  | Both Local and Remote | failed to change vcs state Logs                   | information   | vcs.action |

| SYSLOG             |                    |                                                                                                             |                                      |                                 |            |
|--------------------|--------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|------------|
| Format             |                    | Failed to send trap for aVCS state change                                                                   |                                      |                                 |            |
| vcs-status-changed | 63067986969231361  | Both Local and Remote                                                                                       | vcs status changed                   | information                     | vcs.action |
| SYSLOG             |                    |                                                                                                             |                                      |                                 |            |
| Format             |                    | aVCS status change,the old status is \$old_state:%d: the new status is \$new_state:%d:                      |                                      |                                 |            |
| Example            |                    | aVCS status change,the old status is 1 the new status is 1                                                  |                                      |                                 |            |
| Variable           | Type               | Value                                                                                                       |                                      | Description                     |            |
| old_state          | Integer            | {vcs_old_state}                                                                                             |                                      | vcs old state                   |            |
| new_state          | Integer            | {vcs_new_state}                                                                                             |                                      | vcs new state                   |            |
| anomaly-clear      | 761108337025613827 | Both Local and Remote                                                                                       | Anomaly cleared for monitored entity | information                     | visibility |
| CEF                |                    |                                                                                                             |                                      |                                 |            |
| Format             |                    | keytype=\$key_type:%s: dst=\$ip:%s: c6a1=\$ipv6:%s: c6a1Label=IPv6 Address dpt=\$port:%u: proto=\$proto:%u: |                                      |                                 |            |
| Example            |                    | keytype=NONE dst=1.1.1.1 c6a1=AAAA::BBBB c6a1Label=IPv6 Address dpt=0 proto=6                               |                                      |                                 |            |
| SYSLOG             |                    |                                                                                                             |                                      |                                 |            |
| Format             |                    | Anomaly cleared for key-type \$key_type:%s: \$ip:%s: \$ipv6:%s: \$port:%u: \$proto:%u:                      |                                      |                                 |            |
| Example            |                    | Anomaly cleared for key-type NONE 1.1.1.1 AAAA::BBBB 0 6                                                    |                                      |                                 |            |
| Variable           | Type               | Value                                                                                                       |                                      | Description                     |            |
| key_type           | String             | NONE<br>src<br>dest<br>service<br>source-nat-ip<br>uuid<br>flat-oid                                         |                                      | Monitored entity type           |            |
| ip                 | IP V4 Address      | {Monitored_Entity's_IPv4_address}                                                                           |                                      | Monitored Entity's IPv4 address |            |
| ipv6               | IP V6 Address      | {Monitored_Entity's_IPv6_address}                                                                           |                                      | Monitored Entity's IPv6 address |            |
| port               | Unsigned Integer   | 0-65535                                                                                                     |                                      | Monitored Entity's port         |            |
| proto              | Unsigned Integer   | {IP_Proto_number}                                                                                           |                                      | IP Proto number                 |            |

|                    |                                                                                                                                                                                       |                                                                     |                                                       |                                 |            |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|------------|
| anomaly-det-entity | 761108337025613826                                                                                                                                                                    | Both Local and Remote                                               | New anomaly detected for monitored entity             | information                     | visibility |
| CEF                |                                                                                                                                                                                       |                                                                     |                                                       |                                 |            |
| Format             | keytype=\$key_type:%s: dst=\$ip:%s: c6a1=\$ipv6:%s: c6a1Label=IPv6 Address dpt=\$port:%u: proto=\$proto:%u:                                                                           |                                                                     |                                                       |                                 |            |
| Example            | keytype=NONE dst=1.1.1.1 c6a1=AAAA::BBBB c6a1Label=IPv6 Address dpt=0 proto=6                                                                                                         |                                                                     |                                                       |                                 |            |
| SYSLOG             |                                                                                                                                                                                       |                                                                     |                                                       |                                 |            |
| Format             | New anomaly detected for key-type \$key_type:%s: \$ip:%s: \$ipv6:%s: \$port:%u: \$proto:%u:                                                                                           |                                                                     |                                                       |                                 |            |
| Example            | New anomaly detected for key-type NONE 1.1.1.1 AAAA::BBBB 0 6                                                                                                                         |                                                                     |                                                       |                                 |            |
| Variable           | Type                                                                                                                                                                                  | Value                                                               |                                                       | Description                     |            |
| key_type           | String                                                                                                                                                                                | NONE<br>src<br>dest<br>service<br>source-nat-ip<br>uuid<br>flat-oid |                                                       | Monitored entity type           |            |
| ip                 | IP V4 Address                                                                                                                                                                         | {Monitored_Entity's_IPv4_address}                                   |                                                       | Monitored Entity's IPv4 address |            |
| ipv6               | IP V6 Address                                                                                                                                                                         | {Monitored_Entity's_IPv6_address}                                   |                                                       | Monitored Entity's IPv6 address |            |
| port               | Unsigned Integer                                                                                                                                                                      | 0-65535                                                             |                                                       | Monitored Entity's port         |            |
| proto              | Unsigned Integer                                                                                                                                                                      | {IP_Proto_number}                                                   |                                                       | IP Proto number                 |            |
| anomaly-det-metric | 761108337025613825                                                                                                                                                                    | Both Local and Remote                                               | New anomaly detected for a metric in monitored entity | information                     | visibility |
| CEF                |                                                                                                                                                                                       |                                                                     |                                                       |                                 |            |
| Format             | keytype=\$key_type:%s: dst=\$ip:%s: c6a1=\$ipv6:%s: c6a1Label=IPv6 Address dpt=\$port:%u: proto=\$proto:%u: cs1=\$metric:%s: cs1Label=Metric current=\$curr:%d: threshold=\$thres:%d: |                                                                     |                                                       |                                 |            |
| Example            | keytype=NONE dst=1.1.1.1 c6a1=AAAA::BBBB c6a1Label=IPv6 Address dpt=0 proto=6 cs1=IN_PKT_RATE cs1Label=Metric current=1000 threshold=200                                              |                                                                     |                                                       |                                 |            |
| SYSLOG             |                                                                                                                                                                                       |                                                                     |                                                       |                                 |            |
| Format             | New anomaly detected for key-type \$key_type:%s: \$ip:%s: \$ipv6:%s: \$port:%u: \$proto:%u:, Metric \$metric:%s:, current \$curr:%d:, threshold \$thres:%d:                           |                                                                     |                                                       |                                 |            |
| Example            | New anomaly detected for key-type NONE 1.1.1.1 AAAA::BBBB 0 6, Metric IN_PKT_RATE, current 1000, threshold 200                                                                        |                                                                     |                                                       |                                 |            |
| Variable           | Type                                                                                                                                                                                  | Value                                                               |                                                       | Description                     |            |

|                 |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |       |            |  |
|-----------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------|------------|--|
| key_type        | String             | NONE<br>src<br>dest<br>service<br>source-nat-ip<br>uuid<br>flat-oid                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Monitored entity type                               |       |            |  |
| ip              | IP V4 Address      | {Monitored_Entity's_IPv4_address}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Monitored Entity's IPv4 address                     |       |            |  |
| ipv6            | IP V6 Address      | {Monitored_Entity's_IPv6_address}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Monitored Entity's IPv6 address                     |       |            |  |
| port            | Unsigned Integer   | 0-65535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Monitored Entity's port                             |       |            |  |
| proto           | Unsigned Integer   | {IP_Proto_number}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IP Proto number                                     |       |            |  |
| metric          | String             | IN_PKT_RATE<br>OUT_PKT_RATE<br>IN_BYTE_RATE<br>OUT_BYTE_RATE<br>ERROR_RATE<br>IN_SMALL_PKT_RATE<br>IN_FRAG_RATE<br>OUT_SMALL_PKT_RATE<br>OUT_FRAG_RATE<br>NEW_CONN_RATE<br>ACTIVE_CONN_RATE<br>IN_BYTE_PER_OUT_BYTE_RATE<br>DROP_PKT_PER_PKT_RATE<br>IN_SYN_RATE<br>OUT_SYN_RATE<br>IN_FIN_RATE<br>OUT_FIN_RATE<br>TCP_IN_BYTE_RATE<br>TCP_OUT_BYTE_RATE<br>IN_REXMIT_RATE<br>OUT_REXMIT_RATE<br>IN_RST_RATE<br>OUT_RST_RATE<br>IN_EMPTY_ACK_RATE<br>OUT_EMPTY_ACK_RATE<br>IN_ZERO_WND_RATE<br>OUT_ZERO_WND_RATE<br>FWD_SYN_PER_FIN_RATE | Metric name                                         |       |            |  |
| curr            | Integer            | {Current_value_that_resulted_in_Anomaly}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Current value that resulted in Anomaly              |       |            |  |
| thres           | Integer            | {Threshold_value_against_which_curr_value_is_checked}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Threshold value against which curr value is checked |       |            |  |
| dir-create-fail | 761108337025613829 | Both Local and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Directory creation failed                           | error | visibility |  |

|                      |                                                             |                       |                                    |              |            |
|----------------------|-------------------------------------------------------------|-----------------------|------------------------------------|--------------|------------|
|                      |                                                             | Remote                |                                    |              |            |
| CEF                  |                                                             |                       |                                    |              |            |
| Format               | filePath=\$dir:%s: reason=\$err:%s:                         |                       |                                    |              |            |
| Example              | filePath=/etc/visibility reason=File exists                 |                       |                                    |              |            |
| SYSLOG               |                                                             |                       |                                    |              |            |
| Format               | Creation of directory \'\$dir:%s:\' failed: \$err:%s:       |                       |                                    |              |            |
| Example              | Creation of directory '/etc/visibility' failed: File exists |                       |                                    |              |            |
| Variable             | Type                                                        | Value                 |                                    | Description  |            |
| dir                  | String                                                      | {File_Path}           |                                    | File Path    |            |
| err                  | String                                                      | {Error_Reason}        |                                    | Error Reason |            |
| oom                  | 761108337025613828                                          | Both Local and Remote | visibility module out of memory    | error        | visibility |
| CEF                  |                                                             |                       |                                    |              |            |
| Format               |                                                             |                       |                                    |              |            |
| SYSLOG               |                                                             |                       |                                    |              |            |
| Format               | visibility module out of memory error                       |                       |                                    |              |            |
| rl-infra-oom         | 761108337025613832                                          | Both Local and Remote | rate limiting infra out of memory  | error        | visibility |
| CEF                  |                                                             |                       |                                    |              |            |
| Format               |                                                             |                       |                                    |              |            |
| SYSLOG               |                                                             |                       |                                    |              |            |
| Format               | rate limiting infra out of memory error                     |                       |                                    |              |            |
| session-log-enq-fail | 761108337025613831                                          | Both Local and Remote | Visibilty Session log enqueue fail | error        | visibility |
| CEF                  |                                                             |                       |                                    |              |            |
| Format               | reason=\$reason:%s:                                         |                       |                                    |              |            |
| Example              | reason=Queue full                                           |                       |                                    |              |            |
| SYSLOG               |                                                             |                       |                                    |              |            |

| Format              |                    | Session log enqueue failing : \$reason:%s:. Please check counters.                                    |                                               |                     |            |
|---------------------|--------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|------------|
| Example             |                    | Session log enqueue failing : Queue full. Please check counters.                                      |                                               |                     |            |
| Variable            | Type               | Value                                                                                                 |                                               | Description         |            |
| reason              | String             | Queue full<br>Invalid queue number<br>Pool is being destroyed<br>Enqueue type Mismatch<br>Misc Reason |                                               | Enqueue fail reason |            |
| shared-job-enq-fail | 761108337025613830 | Both Local and Remote                                                                                 | Enqueue to Visibility shared job queue failed | error               | visibility |
| CEF                 |                    |                                                                                                       |                                               |                     |            |
| Format              |                    | reason=\$reason:%s:                                                                                   |                                               |                     |            |
| Example             |                    | reason=Queue full                                                                                     |                                               |                     |            |
| SYSLOG              |                    |                                                                                                       |                                               |                     |            |
| Format              |                    | ACOS mon shared job enqueue failing : \$reason:%s:. Please check counters.                            |                                               |                     |            |
| Example             |                    | ACOS mon shared job enqueue failing : Queue full. Please check counters.                              |                                               |                     |            |
| Variable            | Type               | Value                                                                                                 |                                               | Description         |            |
| reason              | String             | Queue full<br>Invalid queue number<br>Pool is being destroyed<br>Enqueue type Mismatch<br>Misc Reason |                                               | Enqueue fail reason |            |
| information         | 58546795155816449  | Both Local and Remote                                                                                 | HA VRRP-A Information Log                     | information         | vrrp-a     |
| CEF                 |                    |                                                                                                       |                                               |                     |            |
| Format              |                    | cs1=\$reason:%s: cs1Label=Reason                                                                      |                                               |                     |            |
| Example             |                    | cs1= add_ha_inline_mac_for_all_vlans cs1Label=Reason                                                  |                                               |                     |            |
| SYSLOG              |                    |                                                                                                       |                                               |                     |            |
| Format              |                    | \$reason:%s:                                                                                          |                                               |                     |            |
| Example             |                    | add_ha_inline_mac_for_all_vlans                                                                       |                                               |                     |            |
| Variable            | Type               | Value                                                                                                 |                                               | Description         |            |



|                        |                                                                          |                                                                 |                                        |               |             |
|------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------|---------------|-------------|
| reason                 | String                                                                   | add_ha_inline_mac_for_all_vlans                                 |                                        | reason        |             |
| vrid-adv-timer-invalid | 58740309202305035                                                        | Both Local and Remote                                           | VRRP-A adv timer invalid               | information   | vrrp-a.vrid |
| CEF                    |                                                                          |                                                                 |                                        |               |             |
| Format                 | partId=\$parid:%u: vrid=\$vrid:%u: reason=\$str:%s:                      |                                                                 |                                        |               |             |
| Example                | partId=1 vrid=0 reason=VRRP-A send adv timer invalid                     |                                                                 |                                        |               |             |
| SYSLOG                 |                                                                          |                                                                 |                                        |               |             |
| Format                 | parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                              |                                                                 |                                        |               |             |
| Example                | parid 1 vrid 0 VRRP-A send adv timer invalid                             |                                                                 |                                        |               |             |
| Variable               | Type                                                                     | Value                                                           |                                        | Description   |             |
| parid                  | Unsigned Integer                                                         | 1-127                                                           |                                        | partition id  |             |
| vrid                   | Unsigned Integer                                                         | 0-31                                                            |                                        | vrid_value    |             |
| str                    | String                                                                   | VRRP-A send adv timer invalid<br>VRRP-A send-adv timer get lost |                                        | timer invalid |             |
| vrid-adv-timer-pend    | 58740309202305030                                                        | Both Local and Remote                                           | VRRP-A adv timer pending when set vrid | information   | vrrp-a.vrid |
| CEF                    |                                                                          |                                                                 |                                        |               |             |
| Format                 | partId=\$parid:%u: vrid=\$vrid:%u:                                       |                                                                 |                                        |               |             |
| Example                | partId=1 vrid=0                                                          |                                                                 |                                        |               |             |
| SYSLOG                 |                                                                          |                                                                 |                                        |               |             |
| Format                 | parid \$parid:%u: vrid \$vrid:%u: VRRP-A adv timer pending when set vrid |                                                                 |                                        |               |             |
| Example                | parid 1 vrid 0 VRRP-A adv timer pending when set vrid                    |                                                                 |                                        |               |             |
| Variable               | Type                                                                     | Value                                                           |                                        | Description   |             |
| parid                  | Unsigned Integer                                                         | 1-127                                                           |                                        | partition id  |             |
| vrid                   | Unsigned Integer                                                         | 0-31                                                            |                                        | vrid_value    |             |
| vrid-bgp-failed        | 58740309202305025                                                        | Both Local and Remote                                           | Notify BGP about vrid state failed     | information   | vrrp-a.vrid |
| CEF                    |                                                                          |                                                                 |                                        |               |             |

|                               |                   |                                                                                                        |                                                  |                   |             |
|-------------------------------|-------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------|-------------|
| Format                        |                   | partId=\$parid:%u: vrid=\$vrid:%u:                                                                     |                                                  |                   |             |
| Example                       |                   | partId=1 vrid=0                                                                                        |                                                  |                   |             |
| SYSLOG                        |                   |                                                                                                        |                                                  |                   |             |
| Format                        |                   | parid \$parid:%u: vrid \$vrid:%u: Notify BGP about vrid state failed                                   |                                                  |                   |             |
| Example                       |                   | parid 1 vrid 0 Notify BGP about vrid state failed                                                      |                                                  |                   |             |
| Variable                      | Type              | Value                                                                                                  |                                                  | Description       |             |
| parid                         | Unsigned Integer  | 1-127                                                                                                  |                                                  | partition id      |             |
| vrid                          | Unsigned Integer  | 0-31                                                                                                   |                                                  | vrid_value        |             |
| vrid-config-consistency-check | 58740309202305048 | Both Local and Remote                                                                                  | VRID related configs are different between boxes | information       | vrrp-a.vrid |
| CEF                           |                   |                                                                                                        |                                                  |                   |             |
| Format                        |                   | devId=\$device_id:%u: partId=\$parid:%u: vrid=\$vrid:%u: cs1=\$str:%s: cs1Label=vrid different setting |                                                  |                   |             |
| Example                       |                   | devId=1 partId=1 vrid=0 cs1=failover policy used cs1Label=vrid different setting                       |                                                  |                   |             |
| SYSLOG                        |                   |                                                                                                        |                                                  |                   |             |
| Format                        |                   | VRRP-A device \$device_id:%u: partition \$partition:%u: vrid \$vrid:%u: \$str:%s:                      |                                                  |                   |             |
| Example                       |                   | VRRP-A device 1 partition 1 vrid 0 failover policy used                                                |                                                  |                   |             |
| Variable                      | Type              | Value                                                                                                  |                                                  | Description       |             |
| device_id                     | Unsigned Integer  | 1-8                                                                                                    |                                                  | device_id         |             |
| partition                     | Unsigned Integer  | 1-127                                                                                                  |                                                  | partition id      |             |
| vrid                          | Unsigned Integer  | 0-31                                                                                                   |                                                  | vrid_value        |             |
| str                           | String            | {different_setting}                                                                                    |                                                  | different setting |             |
| parid                         | Unsigned Integer  | 1-127                                                                                                  |                                                  | partition id      |             |
| vrid-discarded                | 58740309202305032 | Both Local and Remote                                                                                  | VRRP-A discarded notify because of rate limite   | information       | vrrp-a.vrid |
| CEF                           |                   |                                                                                                        |                                                  |                   |             |
| Format                        |                   | partId=\$parid:%u: vrid=\$vrid:%u:                                                                     |                                                  |                   |             |
| Example                       |                   | partId=1 vrid=0                                                                                        |                                                  |                   |             |
|                               |                   |                                                                                                        |                                                  |                   |             |

| SYSLOG             |                   |                                                                                            |                              |              |             |
|--------------------|-------------------|--------------------------------------------------------------------------------------------|------------------------------|--------------|-------------|
| Format             |                   | parid \$parid:%u: vrid \$vrid:%u: VRRP-A discarded notify because of rate limite           |                              |              |             |
| Example            |                   | parid 1 vrid 0 VRRP-A discarded notify because of rate limite                              |                              |              |             |
| Variable           | Type              | Value                                                                                      |                              | Description  |             |
| parid              | Unsigned Integer  | 1-127                                                                                      |                              | partition id |             |
| vrid               | Unsigned Integer  | 0-31                                                                                       |                              | vrid_value   |             |
| vrid-dual-active   | 58740309202305043 | Both Local and Remote                                                                      | give up due to double master | information  | vrrp-a.vrid |
| CEF                |                   |                                                                                            |                              |              |             |
| Format             |                   | partId=\$parid:%u: vrid=\$vrid:%u: devId=\$devid:%u:                                       |                              |              |             |
| Example            |                   | partId=1 vrid=0 devId=1                                                                    |                              |              |             |
| SYSLOG             |                   |                                                                                            |                              |              |             |
| Format             |                   | parid \$parid:%u:vrid \$vrid:%u: VRRP-A master together with device id \$devid:%u: give up |                              |              |             |
| Example            |                   | parid 1vrid 0 VRRP-A master together with device id 1 give up                              |                              |              |             |
| Variable           | Type              | Value                                                                                      |                              | Description  |             |
| parid              | Unsigned Integer  | 1-127                                                                                      |                              | partition id |             |
| vrid               | Unsigned Integer  | 0-31                                                                                       |                              | vrid_value   |             |
| devid              | Unsigned Integer  | 1-8                                                                                        |                              | device_id    |             |
| vrid-follower-info | 58740309202305027 | Both Local and Remote                                                                      | VRID follower state info     | information  | vrrp-a.vrid |
| CEF                |                   |                                                                                            |                              |              |             |
| Format             |                   | partId=\$parid:%u: vrid=\$vrid:%u: reason=\$str:%s:                                        |                              |              |             |
| Example            |                   | partId=1 vrid=0 reason= Force standby VRRP-A VRID is follower                              |                              |              |             |
| SYSLOG             |                   |                                                                                            |                              |              |             |
| Format             |                   | parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                                                |                              |              |             |
| Example            |                   | parid 1 vrid 0 Force standby VRRP-A VRID is follower                                       |                              |              |             |
| Variable           | Type              | Value                                                                                      |                              | Description  |             |

|                             |                                                                               |                                                                                                                                          |                                                            |              |             |
|-----------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------|-------------|
| parid                       | Unsigned Integer                                                              | 1-127                                                                                                                                    | partition id                                               |              |             |
| vrid                        | Unsigned Integer                                                              | 0-31                                                                                                                                     | vrid_value                                                 |              |             |
| str                         | String                                                                        | Force standby VRRP-A VRID is follower<br>VRRP-A is not a follower<br>VRRP-A follower received unknown event type<br>VRRP-A is not a lead |                                                            | follow info  |             |
| vrid-follower-set-flag      | 58740309202305029                                                             | Both Local and Remote                                                                                                                    | Force sVRRP-A follower set active/standby flag to resource | information  | vrrp-a.vrid |
| CEF                         |                                                                               |                                                                                                                                          |                                                            |              |             |
| Format                      | partId=\$parid:%u: vrid=\$vrid:%u: reason=\$str:%s:                           |                                                                                                                                          |                                                            |              |             |
| Example                     | partId=1 vrid=0 reason= VRRP-A follower set standby flag to resource          |                                                                                                                                          |                                                            |              |             |
| SYSLOG                      |                                                                               |                                                                                                                                          |                                                            |              |             |
| Format                      | parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                                   |                                                                                                                                          |                                                            |              |             |
| Example                     | parid 1 vrid 0 VRRP-A follower set standby flag to resource                   |                                                                                                                                          |                                                            |              |             |
| Variable                    | Type                                                                          | Value                                                                                                                                    |                                                            | Description  |             |
| parid                       | Unsigned Integer                                                              | 1-127                                                                                                                                    |                                                            | partition id |             |
| vrid                        | Unsigned Integer                                                              | 0-31                                                                                                                                     |                                                            | vrid_value   |             |
| str                         | String                                                                        | VRRP-A follower set standby flag to resource<br>VRRP-A follower set active flag to resource                                              |                                                            | follow info  |             |
| vrid-follower-unknown-event | 58740309202305028                                                             | Both Local and Remote                                                                                                                    | VRRP-A follower received unknown event type                | information  | vrrp-a.vrid |
| CEF                         |                                                                               |                                                                                                                                          |                                                            |              |             |
| Format                      | partId=\$parid:%u: vrid=\$vrid:%u:                                            |                                                                                                                                          |                                                            |              |             |
| Example                     | partId=1 vrid=0                                                               |                                                                                                                                          |                                                            |              |             |
| SYSLOG                      |                                                                               |                                                                                                                                          |                                                            |              |             |
| Format                      | parid \$parid:%u: vrid \$vrid:%u: VRRP-A follower received unknown event type |                                                                                                                                          |                                                            |              |             |
| Example                     | parid 1 vrid 0 VRRP-A follower received unknown event type                    |                                                                                                                                          |                                                            |              |             |
| Variable                    | Type                                                                          | Value                                                                                                                                    |                                                            | Description  |             |
| parid                       | Unsigned Integer                                                              | 1-127                                                                                                                                    |                                                            | partition id |             |

|                     |                                                                                                                                                                             |                       |                                |              |             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|--------------|-------------|
| vrid                | Unsigned Integer                                                                                                                                                            | 0-31                  | vrid_value                     |              |             |
| vrid-heartbeat-miss | 58740309202305047                                                                                                                                                           | Both Local and Remote | VRRP-a VRID heartbeats missing | information  | vrrp-a.vrid |
| CEF                 |                                                                                                                                                                             |                       |                                |              |             |
| Format              | devId=\$device_id:%u: partId=\$parid:%u: vrid=\$vrid:%u: cn1=\$local_seq:%u: cn1Label=local seq number cn2=\$remote_seq:%u: cn2Label=remote seq number eventId=\$thr_id:%u: |                       |                                |              |             |
| Example             | devId=1 partId=1 vrid=0 cn1=100 cn1Label=local seq number cn2=101 cn2Label=remote seq number eventId=1                                                                      |                       |                                |              |             |
| SYSLOG              |                                                                                                                                                                             |                       |                                |              |             |
| Format              | VRRP-A device \$device_id:%u: partition \$part:%u: vrid \$vrid:%u: heartbeat missing (rcv=\$local_seq:%u: - local=\$remote_seq:%u:) (thr_id \$thr_id:%u:)                   |                       |                                |              |             |
| Example             | VRRP-A device 1 partition 1 vrid 0 heartbeat missing (rcv=100 - local=101) (thr_id 1)                                                                                       |                       |                                |              |             |
| Variable            | Type                                                                                                                                                                        | Value                 |                                | Description  |             |
| device_id           | Unsigned Integer                                                                                                                                                            | 1-8                   |                                | device_id    |             |
| part                | Unsigned Integer                                                                                                                                                            | 1-127                 |                                | partition id |             |
| vrid                | Unsigned Integer                                                                                                                                                            | 0-31                  |                                | vrid_value   |             |
| local_seq           | Unsigned Integer                                                                                                                                                            | {local_seq}           |                                | local seq    |             |
| remote_seq          | Unsigned Integer                                                                                                                                                            | {remote_seq}          |                                | remote seq   |             |
| thr_id              | Unsigned Integer                                                                                                                                                            | {thread_id}           |                                | thread_id    |             |
| parid               | Unsigned Integer                                                                                                                                                            | 1-127                 |                                | partition id |             |
| vrid-invalid-info   | 58740309202305026                                                                                                                                                           | Both Local and Remote | VRRP-A vrid invalid info       | information  | vrrp-a.vrid |
| CEF                 |                                                                                                                                                                             |                       |                                |              |             |
| Format              | partId=\$parid:%u: vrid=\$vrid:%u: reason=\$str:%s:                                                                                                                         |                       |                                |              |             |
| Example             | partId=1 vrid=0 reason=VRRP-A invalid current parid                                                                                                                         |                       |                                |              |             |
| SYSLOG              |                                                                                                                                                                             |                       |                                |              |             |
| Format              | parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                                                                                                                                 |                       |                                |              |             |
| Example             | parid 1 vrid 0 VRRP-A invalid current parid                                                                                                                                 |                       |                                |              |             |
| Variable            | Type                                                                                                                                                                        | Value                 |                                | Description  |             |

|                                |                                                                                  |                                                                                                                                                                                                                                                             |                                                            |               |             |
|--------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------|-------------|
| parid                          | Unsigned Integer                                                                 | 1-127                                                                                                                                                                                                                                                       |                                                            | partition id  |             |
| vrid                           | Unsigned Integer                                                                 | 0-31                                                                                                                                                                                                                                                        |                                                            | vrid_value    |             |
| str                            | String                                                                           | VRRP-A invalid current parid<br>VRRP-A state change invalid<br>VRRP VRID invalid<br>VRRP VRID configuration is NULL<br>VRRP-A is not valid to become standby<br>VRRP-A get adv buff invalid<br>VRRP-A Policy-Based Failover is not supported on peer device |                                                            | invalid info  |             |
| vrid-master-down-timer-invalid | 58740309202305036                                                                | Both Local and Remote                                                                                                                                                                                                                                       | VRRP-A master down timer invalid                           | information   | vrrp-a.vrid |
| CEF                            |                                                                                  |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Format                         | partId=\$parid:%u: vrid=\$vrid:%u: reason=\$str:%s:                              |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Example                        | partId=1 vrid=0 reason=VRRP-A master down timer invalid at remote PBF            |                                                                                                                                                                                                                                                             |                                                            |               |             |
| SYSLOG                         |                                                                                  |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Format                         | parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                                      |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Example                        | parid 1 vrid 0 VRRP-A master down timer invalid at remote PBF                    |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Variable                       | Type                                                                             | Value                                                                                                                                                                                                                                                       |                                                            | Description   |             |
| parid                          | Unsigned Integer                                                                 | 1-127                                                                                                                                                                                                                                                       |                                                            | partition id  |             |
| vrid                           | Unsigned Integer                                                                 | 0-31                                                                                                                                                                                                                                                        |                                                            | vrid_value    |             |
| str                            | String                                                                           | VRRP-A master down timer invalid at remote PBF<br>VRRP-A master down timer invalid<br>VRRP-A master-down timer get lost                                                                                                                                     |                                                            | timer invalid |             |
| vrid-master-down-timer-pend    | 58740309202305031                                                                | Both Local and Remote                                                                                                                                                                                                                                       | VRRP-A master down timer pending when set vrid/initialized | information   | vrrp-a.vrid |
| CEF                            |                                                                                  |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Format                         | partId=\$parid:%u: vrid=\$vrid:%u: reason=\$str:%s:                              |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Example                        | partId=1 vrid=0 reason= set vrid                                                 |                                                                                                                                                                                                                                                             |                                                            |               |             |
| SYSLOG                         |                                                                                  |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Format                         | parid \$parid:%u: vrid \$vrid:%u:VRRP-A master down timer pending when \$str:%s: |                                                                                                                                                                                                                                                             |                                                            |               |             |
| Example                        | parid 1 vrid 0VRRP-A master down timer pending when set vrid                     |                                                                                                                                                                                                                                                             |                                                            |               |             |

| Variable          | Type                                                                       | Value                 |                             | Description   |             |
|-------------------|----------------------------------------------------------------------------|-----------------------|-----------------------------|---------------|-------------|
| parid             | Unsigned Integer                                                           | 1-127                 |                             | partition id  |             |
| vrid              | Unsigned Integer                                                           | 0-31                  |                             | vrid_value    |             |
| str               | String                                                                     | set vrid initialized  |                             | timer pend    |             |
| vrid-missing-ipv4 | 58740309202305062                                                          | Both Local and Remote | missing floating ipv4 tuple | information   | vrrp-a.vrid |
| CEF               |                                                                            |                       |                             |               |             |
| Format            | partId=\$parid:%u: vrid=\$vrid:%u: dvc=\$ipv4:%s:                          |                       |                             |               |             |
| Example           | partId=1 vrid=0 dvc=2.2.2.2                                                |                       |                             |               |             |
| SYSLOG            |                                                                            |                       |                             |               |             |
| Format            | parid \$parid:%u: vrid \$vrid:%u: missing \$ipv4:%s: floating ipv4 tuple   |                       |                             |               |             |
| Example           | parid 1 vrid 0 missing 2.2.2.2 floating ipv4 tuple                         |                       |                             |               |             |
| Variable          | Type                                                                       | Value                 |                             | Description   |             |
| parid             | Unsigned Integer                                                           | 1-127                 |                             | partition id  |             |
| vrid              | Unsigned Integer                                                           | 0-31                  |                             | vrid_value    |             |
| ipv4              | IP V4 Address                                                              | {floating_ipv4}       |                             | floating ipv4 |             |
| vrid-missing-ipv6 | 58740309202305061                                                          | Both Local and Remote | missing floating ipv6 tuple | information   | vrrp-a.vrid |
| CEF               |                                                                            |                       |                             |               |             |
| Format            | partId=\$parid:%u: vrid=\$vrid:%u: c6a1=\$ipv6:%s: c6a1Label=floating ipv6 |                       |                             |               |             |
| Example           | partId=1 vrid=0 c6a1=2000::121 c6a1Label=floating ipv6                     |                       |                             |               |             |
| SYSLOG            |                                                                            |                       |                             |               |             |
| Format            | parid \$parid:%u: vrid \$vrid:%u: missing \$ipv6:%s:floating ipv6 tuple    |                       |                             |               |             |
| Example           | parid 1 vrid 0 missing 2000::121floating ipv6 tuple                        |                       |                             |               |             |
| Variable          | Type                                                                       | Value                 |                             | Description   |             |
| parid             | Unsigned Integer                                                           | 1-127                 |                             | partition id  |             |

|                             |                                                                                             |                       |                                        |               |             |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------------------|----------------------------------------|---------------|-------------|
| vrid                        | Unsigned Integer                                                                            | 0-31                  |                                        | vrid_value    |             |
| ipv6                        | IP V6 Address                                                                               | {floating_ipv6}       |                                        | floating ipv6 |             |
| vrid-missing-linklocal-ipv6 | 58740309202305034                                                                           | Both Local and Remote | missing link local floating ipv6 tuple | information   | vrrp-a.vrid |
| CEF                         |                                                                                             |                       |                                        |               |             |
| Format                      | partId=\$parid:%u: vrid=\$vrid:%u: c6a1=\$ipv6:%s: c6a1Label=link local floating ipv6 tuple |                       |                                        |               |             |
| Example                     | partId=1 vrid=0 c6a1=FE80::A10:2 c6a1Label=link local floating ipv6 tuple                   |                       |                                        |               |             |
| SYSLOG                      |                                                                                             |                       |                                        |               |             |
| Format                      | parid \$parid:%u: vrid \$vrid:%u: missing \$ipv6:%s: link local floating ipv6 tuple         |                       |                                        |               |             |
| Example                     | parid 1 vrid 0 missing FE80::A10:2 link local floating ipv6 tuple                           |                       |                                        |               |             |
| Variable                    | Type                                                                                        | Value                 |                                        | Description   |             |
| parid                       | Unsigned Integer                                                                            | 1-127                 |                                        | partition id  |             |
| vrid                        | Unsigned Integer                                                                            | 0-31                  |                                        | vrid_value    |             |
| ipv6                        | IP V6 Address                                                                               | {IPv6}                |                                        | IPv6          |             |
| vrid-send-garp              | 58740309202305037                                                                           | Both Local and Remote | VRRP-A tried to send garp on standby   | information   | vrrp-a.vrid |
| CEF                         |                                                                                             |                       |                                        |               |             |
| Format                      | partId=\$parid:%u: vrid=\$vrid:%u:                                                          |                       |                                        |               |             |
| Example                     | partId=1 vrid=0                                                                             |                       |                                        |               |             |
| SYSLOG                      |                                                                                             |                       |                                        |               |             |
| Format                      | parid \$parid:%u: vrid \$vrid:%u: VRRP-A tried to send garp on standby                      |                       |                                        |               |             |
| Example                     | parid 1 vrid 0 VRRP-A tried to send garp on standby                                         |                       |                                        |               |             |
| Variable                    | Type                                                                                        | Value                 |                                        | Description   |             |
| parid                       | Unsigned Integer                                                                            | 1-127                 |                                        | partition id  |             |
| vrid                        | Unsigned Integer                                                                            | 0-31                  |                                        | vrid_value    |             |
| vrid-set-stop               | 58740309202305033                                                                           | Both Local and Remote | VRRP-A vrid stop, set stop flag        | information   | vrrp-a.vrid |
| CEF                         |                                                                                             |                       |                                        |               |             |



| Format           | partId=\$parid:%u: vrid=\$vrid:%u:                                                                                                                 |                       |                                                       |              |             |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------|--------------|-------------|
| Example          | partId=1 vrid=0                                                                                                                                    |                       |                                                       |              |             |
| SYSLOG           |                                                                                                                                                    |                       |                                                       |              |             |
| Format           | parid \$parid:%u: vrid \$vrid:%u: VRRP-A vrid stop, set stop flag                                                                                  |                       |                                                       |              |             |
| Example          | parid 1 vrid 0 VRRP-A vrid stop, set stop flag                                                                                                     |                       |                                                       |              |             |
| Variable         | Type                                                                                                                                               | Value                 |                                                       | Description  |             |
| parid            | Unsigned Integer                                                                                                                                   | 1-127                 |                                                       | partition id |             |
| vrid             | Unsigned Integer                                                                                                                                   | 0-31                  |                                                       | vrid_value   |             |
| vrid-start       | 58740309202305041                                                                                                                                  | Both Local and Remote | VRRP-A vrid start                                     | information  | vrrp-a.vrid |
| CEF              |                                                                                                                                                    |                       |                                                       |              |             |
| Format           | partId=\$parid:%u: vrid=\$vrid:%u:                                                                                                                 |                       |                                                       |              |             |
| Example          | partId=1 vrid=0                                                                                                                                    |                       |                                                       |              |             |
| SYSLOG           |                                                                                                                                                    |                       |                                                       |              |             |
| Format           | parid \$parid:%u: vrid \$vrid:%u: VRRP-A vrid start                                                                                                |                       |                                                       |              |             |
| Example          | parid 1 vrid 0 VRRP-A vrid start                                                                                                                   |                       |                                                       |              |             |
| Variable         | Type                                                                                                                                               | Value                 |                                                       | Description  |             |
| parid            | Unsigned Integer                                                                                                                                   | 1-127                 |                                                       | partition id |             |
| vrid             | Unsigned Integer                                                                                                                                   | 0-31                  |                                                       | vrid_value   |             |
| vrid-state-count | 58740309202305045                                                                                                                                  | Both Local and Remote | VRRP-a VRID state changes count, to active or standby | information  | vrrp-a.vrid |
| CEF              |                                                                                                                                                    |                       |                                                       |              |             |
| Format           | partId=\$parid:%u: vrid=\$vrid:%u: cn1=\$vrid_active_count:%u: cn1Label=vrid active count cn2=\$vrid_standby_count:%u: cn2Label=vrid standby count |                       |                                                       |              |             |
| Example          | partId=1 vrid=0 cn1=1 cn1Label=vrid active count cn2=2 cn2Label=vrid standby count                                                                 |                       |                                                       |              |             |
| SYSLOG           |                                                                                                                                                    |                       |                                                       |              |             |
| Format           | VRRP-A parid \$partition_id:%u: vrid \$vrid_value:%u: state transitions: To Active \$vrid_active_count:%u: , To Standby \$vrid_standby_count:%u:   |                       |                                                       |              |             |
| Example          | VRRP-A parid 1 vrid 0 state transitions: To Active 1 , To Standby 2                                                                                |                       |                                                       |              |             |

| Variable                    | Type                                                                                                                                                                 | Value                             |                                 | Description    |             |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------|----------------|-------------|
| partition_id                | Unsigned Integer                                                                                                                                                     | 1-127                             |                                 | partition id   |             |
| vrid_value                  | Unsigned Integer                                                                                                                                                     | 0-31                              |                                 | vrid_value     |             |
| vrid_active_count           | Unsigned Integer                                                                                                                                                     | {active_count}                    |                                 | active count   |             |
| vrid_standby_count          | Unsigned Integer                                                                                                                                                     | {standby_count}                   |                                 | standby count  |             |
| parid                       | Unsigned Integer                                                                                                                                                     | 1-127                             |                                 | partition id   |             |
| vrid                        | Unsigned Integer                                                                                                                                                     | 0-31                              |                                 | vrid_value     |             |
| vrid-state-timer-inaccurate | 58740309202305046                                                                                                                                                    | Both Local and Remote             | VRRP-a VRID timer is inaccurate | warning        | vrrp-a.vrid |
| SYSLOG                      |                                                                                                                                                                      |                                   |                                 |                |             |
| Format                      | VRRP-A \$timer:%s: timer is inaccurate(off \$value:%u) parid \$partition_id:%u: vrid \$vrid:%u:, expire \$expire:%u: ,current \$current:%u:, interval \$interval:%u: |                                   |                                 |                |             |
| Example                     | VRRP-A Master Down timer is inaccurate(off 100) parid 1 vrid 0, expire 4700 ,current 4800, interval 50                                                               |                                   |                                 |                |             |
| Variable                    | Type                                                                                                                                                                 | Value                             |                                 | Description    |             |
| timer                       | String                                                                                                                                                               | Master Down<br>Send Advertisement |                                 | timer type     |             |
| value                       | Unsigned Integer                                                                                                                                                     | {off_value}                       |                                 | off value      |             |
| partition_id                | Unsigned Integer                                                                                                                                                     | 1-127                             |                                 | partition id   |             |
| vrid                        | Unsigned Integer                                                                                                                                                     | 0-31                              |                                 | vrid_value     |             |
| expire                      | Unsigned Integer                                                                                                                                                     | {expire_value}                    |                                 | expire value   |             |
| current                     | Unsigned Integer                                                                                                                                                     | {current_value}                   |                                 | current value  |             |
| interval                    | Unsigned Integer                                                                                                                                                     | {interval_value}                  |                                 | interval value |             |
| vrid-stop                   | 58740309202305042                                                                                                                                                    | Both Local and Remote             | VRRP-A vrid stop                | information    | vrrp-a.vrid |
| CEF                         |                                                                                                                                                                      |                                   |                                 |                |             |
| Format                      | partId=\$parid:%u: vrid=\$vrid:%u:                                                                                                                                   |                                   |                                 |                |             |
| Example                     | partId=1 vrid=0                                                                                                                                                      |                                   |                                 |                |             |
| SYSLOG                      |                                                                                                                                                                      |                                   |                                 |                |             |

| Format              | parid \$parid:%u: vrid \$vrid:%u: VRRP-A vrid stop                                |                                                                                 |                             |              |             |
|---------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------|--------------|-------------|
| Example             | parid 1 vrid 0 VRRP-A vrid stop                                                   |                                                                                 |                             |              |             |
| Variable            | Type                                                                              | Value                                                                           |                             | Description  |             |
| parid               | Unsigned Integer                                                                  | 1-127                                                                           |                             | partition id |             |
| vrid                | Unsigned Integer                                                                  | 0-31                                                                            |                             | vrid_value   |             |
| vrid-switch-active  | 58740309202305039                                                                 | Both Local and Remote                                                           | vrrp vrid switch to active  | information  | vrrp-a.vrid |
| CEF                 |                                                                                   |                                                                                 |                             |              |             |
| Format              | partId=\$parid:%u: vrid=\$vrid:%u: cs1=\$str:%s: cs1Label=vrid switch active      |                                                                                 |                             |              |             |
| Example             | partId=1 vrid=0 cs1=VRRP-A (follower) become active cs1Label=vrid switch active   |                                                                                 |                             |              |             |
| SYSLOG              |                                                                                   |                                                                                 |                             |              |             |
| Format              | VRRP-A parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                                |                                                                                 |                             |              |             |
| Example             | VRRP-A parid 1 vrid 0 VRRP-A (follower) become active                             |                                                                                 |                             |              |             |
| Variable            | Type                                                                              | Value                                                                           |                             | Description  |             |
| parid               | Unsigned Integer                                                                  | 1-127                                                                           |                             | partition id |             |
| vrid                | Unsigned Integer                                                                  | 0-31                                                                            |                             | vrid_value   |             |
| str                 | String                                                                            | VRRP-A (follower) become active<br>VRRP-A (follower) become active successfully |                             | active state |             |
| vrid-switch-standby | 58740309202305040                                                                 | Both Local and Remote                                                           | vrrp vrid switch to standby | information  | vrrp-a.vrid |
| CEF                 |                                                                                   |                                                                                 |                             |              |             |
| Format              | partId=\$parid:%u: vrid=\$vrid:%u: cs1=\$str:%s: cs1Label=vrid switch standby     |                                                                                 |                             |              |             |
| Example             | partId=1 vrid=0 cs1=VRRP-A (follower) become standby cs1Label=vrid switch standby |                                                                                 |                             |              |             |
| SYSLOG              |                                                                                   |                                                                                 |                             |              |             |
| Format              | VRRP-A parid \$parid:%u: vrid \$vrid:%u: \$str:%s:                                |                                                                                 |                             |              |             |
| Example             | VRRP-A parid 1 vrid 0 VRRP-A (follower) become standby                            |                                                                                 |                             |              |             |
| Variable            | Type                                                                              | Value                                                                           |                             | Description  |             |
| parid               | Unsigned Integer                                                                  | 1-127                                                                           |                             | partition id |             |

|                   |                                                                                                                                                      |                                                                                   |                                            |               |             |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|---------------|-------------|
| vrid              | Unsigned Integer                                                                                                                                     | 0-31                                                                              | vrid_value                                 |               |             |
| str               | String                                                                                                                                               | VRRP-A (follower) become standby<br>VRRP-A (follower) become standby successfully |                                            | active state  |             |
| vrid-track-status | 58740309202305044                                                                                                                                    | Both Local and Remote                                                             | VRRP-a VRID tracking options state changes | information   | vrrp-a.vrid |
| CEF               |                                                                                                                                                      |                                                                                   |                                            |               |             |
| Format            | cs1=\$str1:%s: cs1Label=track options cn1=\$value:%u: cn1Label=track options cs2=\$str2:%s: cs2Label=option state partId=\$parid:%u: vrid=\$vrid:%u: |                                                                                   |                                            |               |             |
| Example           | cs1=port cs1Label=track options cn1=1 cn1Label=track options cs2=up cs2Label=option state partId=1 vrid=0                                            |                                                                                   |                                            |               |             |
| SYSLOG            |                                                                                                                                                      |                                                                                   |                                            |               |             |
| Format            | \$str1:%s: \$value:%u: track status is \$str2:%s: parid \$parid:%u: vrid \$vrid:%u:                                                                  |                                                                                   |                                            |               |             |
| Example           | port 1 track status is up parid 1 vrid 0                                                                                                             |                                                                                   |                                            |               |             |
| Variable          | Type                                                                                                                                                 | Value                                                                             |                                            | Description   |             |
| str1              | String                                                                                                                                               | port<br>vlan<br>trunk<br>vlan_id                                                  |                                            | track options |             |
| value             | Unsigned Integer                                                                                                                                     | {value}                                                                           |                                            | value         |             |
| str2              | String                                                                                                                                               | up<br>down                                                                        |                                            | option state  |             |
| parid             | Unsigned Integer                                                                                                                                     | 1-127                                                                             |                                            | partition id  |             |
| vrid              | Unsigned Integer                                                                                                                                     | 0-31                                                                              |                                            | vrid_value    |             |
| vrid-track-vlan   | 58740309202305038                                                                                                                                    | Both Local and Remote                                                             | VRRP-A vrid track vlan timeout             | information   | vrrp-a.vrid |
| CEF               |                                                                                                                                                      |                                                                                   |                                            |               |             |
| Format            | partId=\$parid:%u: vrid=\$vrid:%u: cn1=\$vlan:%u: cn1Label= vlan ID                                                                                  |                                                                                   |                                            |               |             |
| Example           | partId=1 vrid=0 cn1=1 cn1Label= vlan ID                                                                                                              |                                                                                   |                                            |               |             |
| SYSLOG            |                                                                                                                                                      |                                                                                   |                                            |               |             |
| Format            | parid \$parid:%u: vrid \$vrid:%u: VRRP-A VRID timeout of VLAN \$vlan:%u: can't be modified, because it's in use by someone else                      |                                                                                   |                                            |               |             |
| Example           | parid 1 vrid 0 VRRP-A VRID timeout of VLAN 1 can't be modified, because it's in use by someone else                                                  |                                                                                   |                                            |               |             |

| Variable                      | Type                                                 | Value                 |                                          | Description  |             |
|-------------------------------|------------------------------------------------------|-----------------------|------------------------------------------|--------------|-------------|
| parid                         | Unsigned Integer                                     | 1-127                 |                                          | partition id |             |
| vrid                          | Unsigned Integer                                     | 0-31                  |                                          | vrid_value   |             |
| vlan                          | Unsigned Integer                                     | 1-4094                |                                          | vlan_id      |             |
| vrrp-destory-partition-failed | 58740309202305051                                    | Both Local and Remote | Wait for VRRP-A destory partition failed | information  | vrrp-a.vrid |
| CEF                           |                                                      |                       |                                          |              |             |
| Format                        | reason=\$value:%u:                                   |                       |                                          |              |             |
| Example                       | reason=4660                                          |                       |                                          |              |             |
| SYSLOG                        |                                                      |                       |                                          |              |             |
| Format                        | Wait for VRRP-A destory partition failed \$value:%u: |                       |                                          |              |             |
| Example                       | Wait for VRRP-A destory partition failed 4660        |                       |                                          |              |             |
| Variable                      | Type                                                 | Value                 |                                          | Description  |             |
| value                         | Unsigned Integer                                     | {return_value}        |                                          | return value |             |
| vrrp-disable-failed           | 58740309202305049                                    | Both Local and Remote | Wait for VRRP-A disable failed           | information  | vrrp-a.vrid |
| CEF                           |                                                      |                       |                                          |              |             |
| Format                        | reason=\$value:%u:                                   |                       |                                          |              |             |
| Example                       | reason=4660                                          |                       |                                          |              |             |
| SYSLOG                        |                                                      |                       |                                          |              |             |
| Format                        | Wait for VRRP-A disable failed \$value:%u:           |                       |                                          |              |             |
| Example                       | Wait for VRRP-A disable failed 4660                  |                       |                                          |              |             |
| Variable                      | Type                                                 | Value                 |                                          | Description  |             |
| value                         | Unsigned Integer                                     | {return_value}        |                                          | return value |             |
| vrrp-duplicate-dev-id         | 58740309202305053                                    | Both Local and Remote | Received duplicated VRRP-A device id     | information  | vrrp-a.vrid |
| CEF                           |                                                      |                       |                                          |              |             |
| Format                        | devId=\$value:%u:                                    |                       |                                          |              |             |

|                              |                                                                                                                                   |                       |                                       |              |             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|--------------|-------------|
| Example                      | devId=1                                                                                                                           |                       |                                       |              |             |
| SYSLOG                       |                                                                                                                                   |                       |                                       |              |             |
| Format                       | Received duplicated VRRP-A device id \$value:%u:                                                                                  |                       |                                       |              |             |
| Example                      | Received duplicated VRRP-A device id 1                                                                                            |                       |                                       |              |             |
| Variable                     | Type                                                                                                                              | Value                 |                                       | Description  |             |
| value                        | Unsigned Integer                                                                                                                  | 1-8                   |                                       | device_id    |             |
| vrrp-invalid-control-message | 58740309202305052                                                                                                                 | Both Local and Remote | VRRP-A invalid control message type   | information  | vrrp-a.vrid |
| CEF                          |                                                                                                                                   |                       |                                       |              |             |
| Format                       | cn1=\$value:%u: cn1Label=VRRP-A invalid control message type                                                                      |                       |                                       |              |             |
| Example                      | cn1=5 cn1Label=VRRP-A invalid control message type                                                                                |                       |                                       |              |             |
| SYSLOG                       |                                                                                                                                   |                       |                                       |              |             |
| Format                       | VRRP-A invalid control message type \$value:%u:                                                                                   |                       |                                       |              |             |
| Example                      | VRRP-A invalid control message type 5                                                                                             |                       |                                       |              |             |
| Variable                     | Type                                                                                                                              | Value                 |                                       | Description  |             |
| value                        | Unsigned Integer                                                                                                                  | {message_type}        |                                       | message_type |             |
| vrrp-session-create          | 58740309202305054                                                                                                                 | Both Local and Remote | VRRP-a session sync create on standby | information  | vrrp-a.vrid |
| CEF                          |                                                                                                                                   |                       |                                       |              |             |
| Format                       | cs1=\$str:%s: cs1Label=session sync create type                                                                                   |                       |                                       |              |             |
| Example                      | cs1=Tcp 172.168.6.155:42772, 172.168.6.100:80, 172.168.1.156:80,172.168.6.155:42772,age:0,cpu:4 cs1Label=session sync create type |                       |                                       |              |             |
| SYSLOG                       |                                                                                                                                   |                       |                                       |              |             |
| Format                       | HA Session sync new sby session \$str:%s:                                                                                         |                       |                                       |              |             |
| Example                      | HA Session sync new sby session Tcp 172.168.6.155:42772, 172.168.6.100:80, 172.168.1.156:80,172.168.6.155:42772,age:0,cpu:4       |                       |                                       |              |             |
| Variable                     | Type                                                                                                                              | Value                 |                                       | Description  |             |
| str                          | String                                                                                                                            | {session_type}        |                                       | session_type |             |
| vrrp-session-delete          | 58740309202305055                                                                                                                 | Both Local and Remote | VRRP-a session sync delete on standby | information  | vrrp-a.vrid |

|                              |                   |                                                                                                                                   |                                               |                     |             |
|------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|-------------|
|                              |                   |                                                                                                                                   |                                               |                     |             |
| CEF                          |                   |                                                                                                                                   |                                               |                     |             |
| Format                       |                   | cs1=\$str:%s: cs1Label=session sync delete type                                                                                   |                                               |                     |             |
| Example                      |                   | cs1=Tcp 172.168.6.155:42772, 172.168.6.100:80, 172.168.1.156:80,172.168.6.155:42772,age:0,cpu:4 cs1Label=session sync delete type |                                               |                     |             |
| SYSLOG                       |                   |                                                                                                                                   |                                               |                     |             |
| Format                       |                   | HA Session sync del sby session \$str:%s:                                                                                         |                                               |                     |             |
| Example                      |                   | HA Session sync del sby session Tcp 172.168.6.155:42772, 172.168.6.100:80, 172.168.1.156:80,172.168.6.155:42772,age:0,cpu:4       |                                               |                     |             |
| Variable                     | Type              | Value                                                                                                                             |                                               | Description         |             |
| str                          | String            | {session_type}                                                                                                                    |                                               | session_type        |             |
| vrrp-session-tuple-v4-create | 58740309202305056 | Both Local and Remote                                                                                                             | VRRP-a session sync tuple program create ipv4 | information         | vrrp-a.vrid |
| CEF                          |                   |                                                                                                                                   |                                               |                     |             |
| Format                       |                   | src=\$sip_str:%s: dst=\$dip_str:%s: proto=\$protocol:%u: dpt=\$dport:%u: cn1=\$dport_mask:%u: cn1Label=dest port mask             |                                               |                     |             |
| Example                      |                   | src=10.1.1.52 dst=0.0.0.0 proto=17 dpt=22272 cn1=65408 cn1Label=dest port mask                                                    |                                               |                     |             |
| SYSLOG                       |                   |                                                                                                                                   |                                               |                     |             |
| Format                       |                   | VRRP-A program TE MODE CREATE \$sip_str:%s: \$dip_str:%s: \$protocol:%u: \$dport:%u: \$dport_mask:%u:                             |                                               |                     |             |
| Example                      |                   | VRRP-A program TE MODE CREATE 10.1.1.52 0.0.0.0 17 22272 65408                                                                    |                                               |                     |             |
| Variable                     | Type              | Value                                                                                                                             |                                               | Description         |             |
| sip_str                      | String            | {source_ipv4_address}                                                                                                             |                                               | source ipv4 address |             |
| dip_str                      | String            | {dest_ipv4_address}                                                                                                               |                                               | dest ipv4 address   |             |
| protocol                     | Unsigned Integer  | {protocal}                                                                                                                        |                                               | protocal            |             |
| dport                        | Unsigned Integer  | {dest_port}                                                                                                                       |                                               | dest port           |             |
| dport_mask                   | Unsigned Integer  | {dest_port_mask}                                                                                                                  |                                               | dest port mask      |             |
| vrrp-session-tuple-v4-delete | 58740309202305057 | Both Local and Remote                                                                                                             | VRRP-a session sync tuple program delete ipv4 | information         | vrrp-a.vrid |
| CEF                          |                   |                                                                                                                                   |                                               |                     |             |
| Format                       |                   | src=\$sip_str:%s: dst=\$dip_str:%s: proto=\$protocol:%u: dpt=\$dport:%u: cn1=\$dport_mask:%u: cn1Label=dest port mask             |                                               |                     |             |
| Example                      |                   | src=10.1.1.52 dst=0.0.0.0 proto=17 dpt=22272 cn1=65408 cn1Label=dest port mask                                                    |                                               |                     |             |

| SYSLOG                       |                   |                                                                                                                                           |                                               |                     |             |
|------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|-------------|
| Format                       |                   | VRRP-A program TE MODE DELETE \$sip_str:%s: \$dip_str:%s: \$protocol:%u: \$dport:%u: \$dport_mask:%u:                                     |                                               |                     |             |
| Example                      |                   | VRRP-A program TE MODE DELETE 10.1.1.52 0.0.0.0 17 22272 65408                                                                            |                                               |                     |             |
| Variable                     | Type              | Value                                                                                                                                     |                                               | Description         |             |
| sip_str                      | String            | {source_ipv4_address}                                                                                                                     |                                               | source ipv4 address |             |
| dip_str                      | String            | {dest_ipv4_address}                                                                                                                       |                                               | dest ipv4 address   |             |
| protocol                     | Unsigned Integer  | {protocal}                                                                                                                                |                                               | protocal            |             |
| dport                        | Unsigned Integer  | {dest_port}                                                                                                                               |                                               | dest port           |             |
| dport_mask                   | Unsigned Integer  | {dest_port_mask}                                                                                                                          |                                               | dest port mask      |             |
| vrrp-session-tuple-v6-create | 58740309202305058 | Both Local and Remote                                                                                                                     | VRRP-a session sync tuple program create ipv6 | information         | vrrp-a.vrid |
| CEF                          |                   |                                                                                                                                           |                                               |                     |             |
| Format                       |                   | c6a1=\$v6:%s: c6a1Label=vrrp session tuple ipv6 address proto=\$protocol:%u: dpt=\$dport:%u: cn1=\$dport_mask:%u: cn1Label=dest port mask |                                               |                     |             |
| Example                      |                   | c6a1=2000::121 c6a1Label=vrrp session tuple ipv6 address proto=17 dpt=22272 cn1=65408 cn1Label=dest port mask                             |                                               |                     |             |
| SYSLOG                       |                   |                                                                                                                                           |                                               |                     |             |
| Format                       |                   | VRRP-A program TE MODE v6 CREATE \$v6:%s: \$protocol:%u: \$dport:%u: \$dport_mask:%u:                                                     |                                               |                     |             |
| Example                      |                   | VRRP-A program TE MODE v6 CREATE 2000::121 17 22272 65408                                                                                 |                                               |                     |             |
| Variable                     | Type              | Value                                                                                                                                     |                                               | Description         |             |
| v6                           | String            | {ipv6_address}                                                                                                                            |                                               | ipv6 address        |             |
| protocol                     | Unsigned Integer  | {protocal}                                                                                                                                |                                               | protocal            |             |
| dport                        | Unsigned Integer  | {dest_port}                                                                                                                               |                                               | dest port           |             |
| dport_mask                   | Unsigned Integer  | {dest_port_mask}                                                                                                                          |                                               | dest port mask      |             |
| vrrp-session-tuple-v6-delete | 58740309202305059 | Both Local and Remote                                                                                                                     | VRRP-a session sync tuple program ipv6        | information         | vrrp-a.vrid |
| CEF                          |                   |                                                                                                                                           |                                               |                     |             |
| Format                       |                   | c6a1=\$v6:%s: c6a1Label=vrrp session tuple ipv6 address proto=\$protocol:%u: dpt=\$dport:%u: cn1=\$dport_mask:%u: cn1Label=dest port mask |                                               |                     |             |
| Example                      |                   | c6a1=2000::121 c6a1Label=vrrp session tuple ipv6 address proto=17 dpt=22272 cn1=65408 cn1Label=dest port mask                             |                                               |                     |             |
|                              |                   |                                                                                                                                           |                                               |                     |             |



| SYSLOG                     |                   |                                                                                                                      |                                             |                 |             |
|----------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------|-------------|
| Format                     |                   | VRRP-A program TE MODE v6 DELETE \$v6:%s: \$protocol:%u: \$dport:%u: \$dport_mask:%u:                                |                                             |                 |             |
| Example                    |                   | VRRP-A program TE MODE v6 DELETE 2000::121 17 22272 65408                                                            |                                             |                 |             |
| Variable                   | Type              | Value                                                                                                                |                                             | Description     |             |
| v6                         | String            | {ipv6_address}                                                                                                       |                                             | ipv6 address    |             |
| protocol                   | Unsigned Integer  | {protocal}                                                                                                           |                                             | protocal        |             |
| dport                      | Unsigned Integer  | {dest_port}                                                                                                          |                                             | dest port       |             |
| dport_mask                 | Unsigned Integer  | {dest_port_mask}                                                                                                     |                                             | dest port mask  |             |
| vrrp-session-tuple-wrapper | 58740309202305060 | Both Local and Remote                                                                                                | VRRP-a session sync tuple program wrapper   | information     | vrrp-a.vrid |
| CEF                        |                   |                                                                                                                      |                                             |                 |             |
| Format                     |                   | partId=\$part_id:%u: devId=\$peer:%u: cn1=\$program_flag:%u: cn1Label=program_flag, cn2=\$set:%u: cn2Label=set value |                                             |                 |             |
| Example                    |                   | partId=1 devId=1 cn1=1 cn1Label=program_flag, cn2=1 cn2Label=set value                                               |                                             |                 |             |
| SYSLOG                     |                   |                                                                                                                      |                                             |                 |             |
| Format                     |                   | VRRP-A program TE MODE wrapper partition \$part_id:%u: peer \$peer:%u: (\$program_flag:%u:, \$set:%u:)               |                                             |                 |             |
| Example                    |                   | VRRP-A program TE MODE wrapper partition 1 peer 1 (1, 1)                                                             |                                             |                 |             |
| Variable                   | Type              | Value                                                                                                                |                                             | Description     |             |
| part_id                    | Unsigned Integer  | 1-127                                                                                                                |                                             | partition id    |             |
| peer                       | Unsigned Integer  | 1-8                                                                                                                  |                                             | peer device id  |             |
| program_flag               | Unsigned Integer  | {program_flag_id}                                                                                                    |                                             | program_flag id |             |
| set                        | Unsigned Integer  | {set_value}                                                                                                          |                                             | set value       |             |
| vrrp-thread-failed         | 58740309202305050 | Both Local and Remote                                                                                                | Wait for vrrp thread quiescent state failed | information     | vrrp-a.vrid |
| CEF                        |                   |                                                                                                                      |                                             |                 |             |
| Format                     |                   | reason=\$value:%u:                                                                                                   |                                             |                 |             |
| Example                    |                   | reason=1234                                                                                                          |                                             |                 |             |
| SYSLOG                     |                   |                                                                                                                      |                                             |                 |             |

| Format          | Wait for vrrp thread quiescent state failed \$value:%u:                                                                                                                                                                                                                                                                                      |                       |                            |                  |              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|------------------|--------------|
| Example         | Wait for vrrp thread quiescent state failed 1234                                                                                                                                                                                                                                                                                             |                       |                            |                  |              |
| Variable        | Type                                                                                                                                                                                                                                                                                                                                         | Value                 |                            | Description      |              |
| value           | Unsigned Integer                                                                                                                                                                                                                                                                                                                             | {return_value}        |                            | return value     |              |
| modsecurity-log | 873698327709876225                                                                                                                                                                                                                                                                                                                           | Both Local and Remote | waf-rule-set matched       | notification     | waf-rule-set |
| CEF             |                                                                                                                                                                                                                                                                                                                                              |                       |                            |                  |              |
| Format          | src=\$src:%s: spt=\$spt:%u: dhost=\$dhost:%s: cs1=\$cs1:%s: cs1Label=vserver cn1=\$cn1:%u: cn1Label=vport msg=\$msg:%s: cs2=\$cs2:%s: cs2Label=rule file cs3=\$cs3:%s: cs3Label=rule id cs4=\$cs4:%s: cs4Label=data cs5=\$cs5:%s: cs5Label=transaction id                                                                                    |                       |                            |                  |              |
| Example         | src=1.1.1.1 spt=1 dhost=www.google.com cs1=vip_1 cs1Label=vserver cn1=0 cn1Label=vport msg=Matched Operator `StrEq` with parameter `/index.php` against variable `REQUEST_URI` cs2=REQUEST-XSS.conf cs2Label=rule file cs3=100200 cs3Label=rule id cs4=GET /index.php HTTP/1.1 cs4Label=data cs5=160035050371.495714 cs5Label=transaction id |                       |                            |                  |              |
| SYSLOG          |                                                                                                                                                                                                                                                                                                                                              |                       |                            |                  |              |
| Format          | waf-rule-set matched src=\$src:%s: spt=\$spt:%u: dhost=\$dhost:%s: vsrver=\$cs1:%s: vport=\$cn1:%u: msg=\$msg:%s: rule file=\$cs2:%s: rule id=\$cs3:%s: data=\$cs4:%s: transaction id=\$cs5:%s:                                                                                                                                              |                       |                            |                  |              |
| Example         | waf-rule-set matched src=1.1.1.1 spt=1 dhost=www.google.com vsrver=vip_1 vport=0 msg=Matched Operator `StrEq` with parameter `/index.php` against variable `REQUEST_URI` rule file=REQUEST-XSS.conf rule id=100200 data=GET /index.php HTTP/1.1 transaction id=160035050371.495714                                                           |                       |                            |                  |              |
| Variable        | Type                                                                                                                                                                                                                                                                                                                                         | Value                 |                            | Description      |              |
| src             | String                                                                                                                                                                                                                                                                                                                                       | {Source_IP}           |                            | Source IP        |              |
| spt             | Unsigned Integer                                                                                                                                                                                                                                                                                                                             | 1-65535               |                            | Source Port      |              |
| dhost           | String                                                                                                                                                                                                                                                                                                                                       | {Destination_Host}    |                            | Destination Host |              |
| cs1             | String                                                                                                                                                                                                                                                                                                                                       | {vserver}             |                            | vserver          |              |
| cn1             | Unsigned Integer                                                                                                                                                                                                                                                                                                                             | 0-65535               |                            | vport            |              |
| msg             | String                                                                                                                                                                                                                                                                                                                                       | {rule}                |                            | rule             |              |
| cs2             | String                                                                                                                                                                                                                                                                                                                                       | {rule_file}           |                            | rule file        |              |
| cs3             | String                                                                                                                                                                                                                                                                                                                                       | {rule_id}             |                            | rule id          |              |
| cs4             | String                                                                                                                                                                                                                                                                                                                                       | {data}                |                            | data             |              |
| cs5             | String                                                                                                                                                                                                                                                                                                                                       | {transaction_id}      |                            | transaction id   |              |
| config-save     | 653039538154766338                                                                                                                                                                                                                                                                                                                           | Both Local and        | Running configuration save | information      | write.memory |

|                           |                                                                                                                     | Remote                       | status                                       |                 |              |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|-----------------|--------------|
| SYSLOG                    |                                                                                                                     |                              |                                              |                 |              |
| Format                    | Running configuration \$s0:%s: saved to \$s1:%s: in Partition \$s2:%s: by user \$s3:%s: using Session ID \$id:%d: . |                              |                                              |                 |              |
| Example                   | Running configuration successfully saved to my-config in Partition shared by user admin using Session ID 100 .      |                              |                                              |                 |              |
| Variable                  | Type                                                                                                                | Value                        |                                              | Description     |              |
| s0                        | String                                                                                                              | successfully<br>could not be |                                              | status          |              |
| s1                        | String                                                                                                              | {file_name}                  |                                              | file name       |              |
| s2                        | String                                                                                                              | {partition_name}             |                                              | partition name  |              |
| s3                        | String                                                                                                              | {user_name}                  |                                              | user name       |              |
| id                        | Integer                                                                                                             | {user_session_id}            |                                              | user session id |              |
| open-fail                 | 653039538154766341                                                                                                  | Both Local and Remote        | open file fail                               | error           | write.memory |
| SYSLOG                    |                                                                                                                     |                              |                                              |                 |              |
| Format                    | Open \$file:%s: error                                                                                               |                              |                                              |                 |              |
| Example                   | Open profile_1 error                                                                                                |                              |                                              |                 |              |
| Variable                  | Type                                                                                                                | Value                        |                                              | Description     |              |
| file                      | String                                                                                                              | {file_name}                  |                                              | file name       |              |
| status                    | 653039538154766337                                                                                                  | Both Local and Remote        | Failed to link profile                       | critical        | write.memory |
| SYSLOG                    |                                                                                                                     |                              |                                              |                 |              |
| Format                    | Failed to link profile \$file:%s: to startup-config                                                                 |                              |                                              |                 |              |
| Example                   | Failed to link profile prof1 to startup-config                                                                      |                              |                                              |                 |              |
| Variable                  | Type                                                                                                                | Value                        |                                              | Description     |              |
| file                      | String                                                                                                              | {profile_name}               |                                              | profile name    |              |
| updat-config-time-failure | 653039538154766339                                                                                                  | Both Local and Remote        | Update last configuration saved time failure | error           | write.memory |
| SYSLOG                    |                                                                                                                     |                              |                                              |                 |              |

|          |                                   |                       |                    |       |              |
|----------|-----------------------------------|-----------------------|--------------------|-------|--------------|
| Format   |                                   |                       |                    |       |              |
| wrt-fail | 653039538154766340                | Both Local and Remote | write to file fail | error | write.memory |
| SYSLOG   |                                   |                       |                    |       |              |
| Format   | write running-config file failure |                       |                    |       |              |



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