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## **EOS System Message Guide**

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# Chapter 1

## System Message Overview

### 1.1 Message Format

System Messages on EOS have the following format:

timestamp hostname process: [seq\_number:] %FACILITY-Severity-Mnemonic: Message text

Here's an explanation of each of the fields:

<b>timestamp</b>	This is the time the message was generated. The time is obtained from the clock on the switch. (You should configure the clock to get an accurate timestamp, or use NTP)
<b>hostname</b>	The hostname is the system name configured for the switch
<b>process</b>	The process is the system process that generated the message
<b>seq_number</b>	The sequence number of the message. The generation of sequence numbers is an optional configuration, and is disabled by default. The configuration command to generate sequence numbers is <i>[no] service sequence-numbers</i>
<b>FACILITY</b>	The Facility that generated the syslog message. These are the various modules used internally to manage all the functionality of the device
<b>Severity</b>	A number from 1 through 7, indicating the severity of the message. 1 is most severe, and 7 is the least severe. See the section below to see a detailed description of severity levels
<b>Mnemonic</b>	This is a mnemonic code that uniquely identifies the message. Mnemonic codes are all upper case character strings
<b>Message text</b>	This is the text of the system message containing details of the event. Some messages have variable fields in the message, which may contain MAC addresses, interfaces names, etc

## 1.2 Severity Levels

The severity of a system message varies from 0 through 7. The lower the severity, the higher the criticality of the message. The different severity levels are described below.

Severity	Description
0	Emergency - system cannot be used. Immediate administrator attention is required
1	Alert - not used. We use severity level Emergency for critical messages
2	Critical - not used. We use severity level Emergency for critical messages
3	Error - the system has encountered an error. The message details help describe the urgency
4	Warning - something may be wrong, or misconfigured. No immediate attention is required, although further investigation is required
5	Notice - not used. We use severity level Information instead.
6	Information - informational message about the system. Provides changes in operational status
7	Debug - used for aiding in troubleshooting. This could produce excessive output and should not be used without discussing with your technical support representative

## Chapter 2

# System Messages

### 2.1 AAA Messages

**ACCT\_FALLBACK:** Accounting method '%s' is currently unavailable; falling back to next method for action '%s'.

**Severity:** Warning

**Explanation:** The accounting method failed to provide an answer and is considered unavailable. If the method list for this service contains a fallback method, this request will be retried via that method.

**Recommended Action:** Check the availability and reachability of the accounting server(s).

**ACCT\_MSG\_DROP:** No available server; accounting messages will be dropped.

**Severity:** Warning

**Explanation:** None of the accounting servers are responsive, and the switch will drop messages until the error is rectified.

**Recommended Action:** Check the availability and reachability of the accounting server(s).

**ACCT\_MSG\_RESUME:** Resumed successful sending of accounting messages.

**Severity:** Warning

**Explanation:** Accounting message successfully sent as the switch is able to contact the accounting server(s).

**Recommended Action:** No action is required – this message is for information only.

**ACCT\_PLUGIN\_NOT\_READY:** Accounting method '%s' is not ready

**Severity:** Warning

**Explanation:** Accounting an action using this accounting method failed because the method is not ready. This can occur if the method has not been fully configured.

**Recommended Action:** Check to see if the accounting method has been configured.

**ACCT\_QUEUE\_FULL:** Accounting queue is full; the oldest %d messages will be dropped.

**Severity:** Warning

**Explanation:** There were too many messages in the accounting queue, and the switch discarded some pending messages to avoid consuming too many resources. It normally means that the server was slow at taking the accounting messages.

**Recommended Action:** Check the availability and reachability of the accounting server(s).

**AUTHN\_FALLBACK:** Authentication method '%s' is currently unavailable; falling back to next method for service '%s'.

**Severity:** Warning

**Explanation:** The authentication method failed to provide an answer and is considered unavailable. If the method list for this service contains a fallback method, this request will be retried via that method.

**Recommended Action:** Check the availability and reachability of the authentication server(s).

**AUTHN\_PLUGIN\_NOT\_READY:** Authentication method '%s' is not ready

**Severity:** Warning

**Explanation:** Authenticating a user with this authentication method failed because the method is not ready. This can occur if the method has not been fully configured.

**Recommended Action:** Check to see if the authentication method has been configured.

**AUTHZ\_FALLBACK:** Authorization method '%s' is currently unavailable; falling back to next method for action '%s'.

**Severity:** Warning

**Explanation:** The authorization method failed to provide an answer and is considered unavailable. If the method list for this service contains a fallback method, this request will be retried via that method.

**Recommended Action:** Check the availability and reachability of the authorization server(s).

**AUTHZ\_PLUGIN\_NOT\_READY:** Authorization method '%s' is not ready

**Severity:** Warning

**Explanation:** Authorizing an action using this authentication method failed because the method is not ready. This can occur if the method has not been fully configured.

**Recommended Action:** Check to see if the authorization method has been configured.

**CMD\_AUTHZ\_FAILED:** User %s failed authorization to execute command '%s'

**Severity:** Warning

**Explanation:** AAA denied authorization for the specified command.

**Recommended Action:** Confirm that the user settings on authorization server(s) are correct.

**EXEC\_AUTHZ\_FAILED:** User %s failed authorization to start a shell

**Severity:** Warning

**Explanation:** AAA server denied authorization to start a shell.

**Recommended Action:** Confirm that the user settings on authorization server(s) are correct.

**HOMEDIR\_SETUP\_ERROR:** A problem occurred setting up the home directory for user %s

**Severity:** Warning

**Explanation:** AAA creates a home directory at the time of a user's first login and may populate it with some settings files. A problem occurred during this process, and the user's home directory may not have been created or may be partially populated.

**Recommended Action:** Log out and log back in. Contact your support representative if error persists.

**INCOMPLETE\_LOGINS\_LIMIT:** Too many incomplete login attempts

**Severity:** Error

**Explanation:** AAA has received too many incomplete login attempts within the last 5 minutes. Login via console is available, but login via ssh or telnet may fail until some of the incomplete login sessions expire.

**Recommended Action:** Investigate whether the device is being attacked. Attempt login via the console. Contact your support representative if error persists.

**INVALID\_ACCT\_METHODLIST:** Invalid accounting method list configured for action '%s': method '%s' is unknown

**Severity:** Error

**Explanation:** An attempt to account for an action failed because the method list configured for the action contains a method name that does not match any available accounting plugins.

**Recommended Action:** Fix the method list configuration.

**INVALID\_AUTHENTYPE:** Invalid authentication type '%s' requested

**Severity:** Error

**Explanation:** AAA received an authentication request containing an unknown authentication type.

**Recommended Action:** Contact your support representative if error persists.

**INVALID\_AUTHN\_METHODLIST:** Invalid authentication method list configured for service '%s': method '%s' is unknown

**Severity:** Error

**Explanation:** An attempt to authenticate a user for the service failed because the method list configured for the service contains a method name that does not match any available authentication plugins.

**Recommended Action:** Fix the method list configuration.

**INVALID\_AUTHZ\_METHODLIST:** Invalid authorization method list configured for action '%s': method '%s' is unknown

**Severity:** Error

**Explanation:** An attempt to authorize an action failed because the method list configured for the action contains a method name that does not match any available authorization plugins.

**Recommended Action:** Fix the method list configuration.

**INVALID\_RADIUS\_SERVER:** RADIUS server '%s' port %d could not be used: %s

**Severity:** Warning

**Explanation:** The configuration contains a RADIUS server that could not be used. One cause for this type of error is a hostname for which DNS resolution fails.

**Recommended Action:** Correct the RADIUS server configuration.

**INVALID\_REGEX\_IN\_ROLE:** Rule %d of Role %s has an invalid regular expression

**Severity:** Error

**Explanation:** The specified rule has an invalid regular expression, and will not take effect until the syntax is fixed.

**Recommended Action:** Fix the role configuration.

**INVALID\_TACACS\_SERVER:** TACACS+ server '%s' port %d could not be used: %s

**Severity:** Warning

**Explanation:** The configuration contains a TACACS+ server that could not be used. One cause for this type of error is a hostname for which DNS resolution fails.

**Recommended Action:** Correct the TACACS+ server configuration.

**LOGIN:** user %s logged in [from: %s] [service: %s]

**Severity:** Notice

**Explanation:** A user has logged in successfully

**Recommended Action:** No action is required – this message is for information only.

**LOGIN\_FAILED:** user %s failed to login [from: %s] [service: %s] [reason: %s]

**Severity:** Warning

**Explanation:** A user has failed to login to the switch

**Recommended Action:** No action is required – this message is for information only.

**LOGOUT:** user %s logged out [from: %s] [service: %s]

**Severity:** Notice

**Explanation:** A user has logged out or the session has terminated

**Recommended Action:** No action is required – this message is for information only.

**NO\_VALID\_RADIUS\_SERVERS:** No valid RADIUS servers for method list '%s'

**Severity:** Error

**Explanation:** The configuration contains an authentication method list that is not associated with any valid RADIUS servers. One common cause for this error is a hostname for which DNS resolution fails.

**Recommended Action:** Correct the RADIUS server configuration.

**NO\_VALID\_TACACS\_SERVERS:** No valid TACACS+ servers for method list '%s'

**Severity:** Error

**Explanation:** The configuration contains an authentication method list that is not associated with any valid TACACS+ servers. One common cause for this error is a hostname for which DNS resolution fails.

**Recommended Action:** Correct the TACACS+ server configuration.



**REMOTE\_LOGIN\_DENIED\_BY\_POLICY:** Remote login from %s denied for user %s due to authentication policy

**Severity:** Warning

**Explanation:** A remote login attempt was denied due to authentication policy. For example, the configured policy may prohibit remote logins for accounts with empty passwords.

**Recommended Action:** No action is required – this message is for information only.

**ROOT\_PASSWORD\_NOTUPDATED:** Password setting for root not changed due to internal error (%s)

**Severity:** Warning

**Explanation:** The password for the root user could not be changed from its current value. The old password (if any) continues to be valid for the account. This is a potential security risk.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SSHKEY\_FILESYSTEM\_ERROR:** Error generating ssh key file at path %s: %s

**Severity:** Error

**Explanation:** An ssh key creation attempt failed because of a filesystem error.

**Recommended Action:** Check to see if the file system has run out of disk space. (Potentially from large log files) Contact TAC Support if this problem persists

**UNKNOWN\_RADIUS\_SERVER:** RADIUS server group '%s' references unknown server '%s'

**Severity:** Warning

**Explanation:** The RADIUS server group contains a server that was not configured using the 'radius-server host' command.

**Recommended Action:** Configure the unknown server or remove it from the server group.

**UNKNOWN\_TACACS\_MANDATORY\_ATTRIBUTE:** Received unknown mandatory attribute '%s' from Tacacs+ server

**Severity:** Error

**Explanation:** The authorization response from tacacs server includes one or more mandatory attributes we do not support; failing authorization.

**Recommended Action:** Change the TACACS+ server configuration.

**UNKNOWN\_TACACS\_SERVER:** TACACS+ server group '%s' references unknown server '%s'

**Severity:** Warning

**Explanation:** The TACACS+ server group contains a server that was not configured using the 'tacacs-server host' command.

**Recommended Action:** Configure the unknown server or remove it from the server group.

## 2.2 ACCOUNTING Messages

**CMD:** %s task\_id=%d start\_time=%d timezone=%s service=%s priv-lvl=%d cmd=%s

**Severity:** Info

**Explanation:** Command accounting message.

**Recommended Action:** No action is required – this message is for information only.

**EXEC:** %s task\_id=%d start\_time=%d timezone=%s service=%s%s

**Severity:** Notice

**Explanation:** Exec accounting message.

**Recommended Action:** No action is required – this message is for information only.

**SYSTEM:** %s task\_id=%d start\_time=%d timezone=%s service=%s event=%s reason=%s

**Severity:** Notice

**Explanation:** System accounting message.

**Recommended Action:** No action is required – this message is for information only.

## 2.3 ACL Messages

**HW\_COUNTER\_RESOURCE\_FULL:** The switch %s is unable to allocate hardware counters for %s ACL %s

**Severity:** Warning

**Explanation:** The ACL will be programmed without counters, due to insufficient hardware resources.

**Recommended Action:** Reconfigure your ACLs to free hardware counters.

**HW\_COUNTER\_RESOURCE\_NORMAL:** The switch %s has re-enabled hardware counters for %s ACL %s

**Severity:** Warning

**Explanation:** The switch was able to program all counters in hardware.

**Recommended Action:** No action is required – this message is for information only.

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all ACLs

**Severity:** Error

**Explanation:** The switch is unable to program all ACLs due to insufficient hardware resources.

**Recommended Action:** Reconfigure your ACLs to reduce the size and/or complexity of the ACL.

**HW\_RESOURCE\_NORMAL:** All ACLs are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the ACLs in the hardware.

**Recommended Action:** No action is required – this message is for information only.

**IP6ACCESS:** list %s %s %s %s %s -i %s %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' option in the specified IPv6 access-list.

**Recommended Action:** No action is required – this message is for information only.

**IPACCESS:** list %s %s %s %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' option in the specified IP access-list.

**Recommended Action:** No action is required – this message is for information only.

**IPv6\_RACL\_DSCP:** IPv6 ACL with DSCP will not be applied to vlan interfaces

**Severity:** Info

**Explanation:** This platform does not support IPv6 ACLs with DSCP to be applied to vlan interfaces

**Recommended Action:** No action is required – this message is for information only.

**MACACCESS:** list %s %s %s %s %s -i %s %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' option in the specified MAC access-list.

**Recommended Action:** No action is required – this message is for information only.

## 2.4 AGENT Messages

**EXCESSIVE\_WARMUP\_DELAY:** Agent %s experiencing excessive warmup delay

**Severity:** Warning

**Explanation:** The agent is taking an excessive amount of time to reach steady state, meaning declare itself operating consistently with its configuration, and may be hung.

**Recommended Action:** If the problem persists, try killing the agent and letting ProcMgr restart it by dropping into bash mode, using ps(1) to find the process, and sending it SIGTERM or SIGKILL with kill(1).

**SOCKET\_COMMAND\_ERROR:** Error (%s) on command execution

**Severity:** Warning

**Explanation:** Unexpected error caught during the execution of the command.

**Recommended Action:** No action is required – this message is for information only.

**SOCKET\_INVALID\_DESCRIPTOR:** Invalid socket request call

**Severity:** Warning

**Explanation:** Bad file descriptor received.

**Recommended Action:** No action is required – this message is for information only.

**SWITCHOVER\_DURING\_INIT:** Agent %s is exiting because switchover happened during initialization

**Severity:** Warning

**Explanation:** The agent is exiting because switchover just happened while it is still initializing. It will restart and operate normally.

**Recommended Action:** No action is required – this message is for information only.

**WARM\_AFTER\_EXCESSIVE\_DELAY:** Agent %s warm after excessive delay

**Severity:** Warning

**Explanation:** The agent took an excessive amount of time to reach steady state, but now it appears to be operating normally.

**Recommended Action:** No action is required – this message is for information only.

## 2.5 BFD Messages

**STALE\_APP\_REG:** Bfd registration already present for peer: %s, app: %s

**Severity:** Warning

**Explanation:** Trying to add a duplicate Bfd peer request for an application

**Recommended Action:** No action required

## 2.6 BGP Messages

**ADJCHANGE:** peer %s old state %s event %s new state %s

**Severity:** Notice

**Explanation:** The given peer has moved into or out of the Established state. If it is not Established, then route exchange with the BGP peer is not possible.

**Recommended Action:** If the peering has gone down unexpectedly, check the physical connection between the devices and the configuration of the system, including IP and BGP, on both ends.

**IF\_MAXROUTESLIMIT:** Peer %s has exceeded its configured maximum total number of routes (%d); Put into idle state forever

**Severity:** Notice

**Explanation:** BGP has received more routes than it is configured to handle from this BGP peer. BGP route information is no longer being exchanged with peer, so no route additions or deletions will occur. Routing information may be incomplete, and may get further out of date.

**Recommended Action:** Determine whether the number of shared BGP routes is reasonable. If not, then, try to reduce the number of routes being shared by your BGP peers. If the number of routes is reasonable, then increase the maximum-routes limit. After taking either of these actions issue the 'clear ip bgp \*—ipeer;' command, to reset the BGP peer connection.

**IF\_MAXROUTESRECOVER:** Peer %s has managed to drop below its configured maximum total number of routes (%d); routing information is no longer being lost

**Severity:** Notice

**Explanation:** The number of routes from this BGP peer is now below the limit, and we are exchanging routing information with the peer, again.

**Recommended Action:** Determine why the number of shared routes exceeded maximum-routes limit in the first place.

**IF\_MAXROUTESRESTART:** Peer %s has exceeded its configured maximum total number of routes (%d); In idle state; will restart in %d minutes

**Severity:** Notice

**Explanation:** BGP has received more routes than it is configured to handle from this BGP peer. Routing information may be incomplete, and may get further out of date. Route information is no longer being exchanged with peer, so no route deletions or additions will occur until the peer connection is restarted.

**Recommended Action:** Determine whether the number of shared BGP routes is reasonable. If not, then, try to reduce the number of routes being shared by your BGP peers. If the number of routes is reasonable, then increase the maximum-routes limit. Until you take one of these actions the BGP peer connection will continue to get into this state and will continue to be cleared periodically.

**IF\_MAXROUTESWARNING:** Peer %s has exceeded its configured maximum total number of routes (%d); ROUTING INFORMATION IS BEING LOST

**Severity:** Notice

**Explanation:** BGP has received more routes than it is configured to handle from this BGP peer. Routing information may be incomplete, and may get further out of date. New routes will no longer be added until enough routes are deleted to fall below this limit.

**Recommended Action:** If this warning persists, then determine whether the number of shared BGP routes is reasonable. If not, then, try to reduce the number of routes being shared by your BGP peers. If the number of routes is reasonable, then increase the maximum-routes limit.

**MAXROUTES:** BGP has exceeded its configured maximum total number of routes (%d); ROUTING INFORMATION IS BEING LOST

**Severity:** Notice

**Explanation:** BGP has received more routes than it is configured to handle. It will not accept any more routes. Routing information may be incomplete, and may get further out of date.

**Recommended Action:** Determine whether the number of shared BGP routes is reasonable. Then, either reduce the number of routes being shared by your BGP peers, or increase the maximum-routes limit. After taking either of these actions issue the 'clear ip bgp \*—ipeer;' command, to reset the BGP peer connection.

**NOTIFICATION:** received from/sent to neighbor %s %d/%d (%s/%s) %d bytes

**Severity:** Warning

**Explanation:** A BGP notification message of length bytes was seen from/to the given neighbor, with code/subcode (string names s/s). Such messages notify a peer either about errors in the BGP session or (in the case of CEASE (ErrorCode=6)) request the session to terminate. If an Error notification is received, this message means a neighbor believes this machine sent an invalid BGP message. If sent, this message means this machine believes that a neighbor sent an invalid BGP message. Either the message was malformed, or it arrived at a time when it was not expected.

**Recommended Action:** Some messages (such as 'cease') require no action. Error messages (such as 'Message Header Error') can be symptomatic of some other BGP error. The data printed in the BGP-NOTIFICATION log entry may help a technical support person determine the underlying error.

**PEER\_CLEAR:** BGP peering with %s was reset by %s on %s (%s)

**Severity:** Notice

**Explanation:** BGP peering was reset by CLI command

**Recommended Action:** No action is required – this message is for information only.

## 2.7 BRIDGING Messages

**FDBSTATUS.OVERFLOW:** Software MAC address table has temporarily overflowed at %u values.

**Severity:** Debug

**Explanation:** Under rare circumstances, the software MAC address table can overflow. Should this happen, affected MAC addresses may temporarily not appear in the output of certain Cli show commands, such as "show mac address-table". This condition will repair itself should the affected address age itself out or otherwise be cleared from the system.

**Recommended Action:** No action is required – this message is for information only.



## 2.8 CARD Messages

**NOT\_COMPATIBLE:** %s is an older card not supported by the current configuration. Configure 'platform sand %s mode %s', save configuration and reboot system, to allow this card to operate. See 'show platform sand compatibility' for more details.

**Severity:** Error

**Explanation:** The system is configured to disallow older cards.

**Recommended Action:** Change configuration using 'platform sand {fabric—forwarding} mode ;mode;', save configuration and reboot system

## 2.9 CLEAR Messages

**COUNTERS:** Clear %s counters %s by %s on %s (%s)

**Severity:** Notice

**Explanation:** Counter was cleared by CLI command

**Recommended Action:** No action is required – this message is for information only.

## 2.10 DATAPLANE Messages

**MACTABLEENTRYCLEAR:** Mac Table overflow condition for multicast group %s in VLAN %d has cleared

**Severity:** Warning

**Explanation:** The entry has been programmed and traffic should not flood for this group

**Recommended Action:** Okay to use this IP multicast group

**MIRROR\_SOURCE\_RESOURCES\_FULL:** Insufficient hardware resources to add interface %s as a mirror source

**Severity:** Warning

**Explanation:** Insufficient hardware resources are available to program interface %s as a source to session %s. There is a maximum of %d bidirectional sources or %d unidirectional sources and this limit has been exceeded. As a result traffic on this interface shall not be mirrored.

**Recommended Action:** Use fewer mirror sources across the switch.

**MIRROR\_SOURCE\_RESOURCES\_NORMAL:** All mirror sources are programmed in hardware.

**Severity:** Warning

**Explanation:** The switch was able to program all sources in hardware.

**Recommended Action:** Normal mirroring has resumed.

**MULTICASTGROUPCLEAR:** The condition of having insufficient hardware resources for programming a forwarding entry for the multicast group %s in VLAN %d has cleared

**Severity:** Warning

**Explanation:** Traffic sent to this multicast group will be forwarded only to ports belonging to this group

**Recommended Action:** Okay to use this IP multicast group.

**NOMACTABLEENTRIES:** Unable to program mac table entry for MAC address %s in VLAN %d due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified MAC address could not be programmed into the switching ASIC due to hash collisions in a bucket. Packets destined to the address will be flooded.

**Recommended Action:** Reduce the number of host table entries that need to be programmed into the switching ASIC. One or more of the following steps might be helpful: 1. Reduce the number of static mac entries. 2. Clear dynamic mac table entries. 3. Introduce additional layer 3 boundaries to reduce the number of MAC addresses. 4. Use fewer IP multicast groups.

**NOMULTICASTGROUPS:** Insufficient hardware resources for multicast group %s in VLAN %d

**Severity:** Warning

**Explanation:** Insufficient hardware resources are available to program a forwarding entry for the multicast group, which was learned via IGMP Snooping or static MAC table configuration. There is a limit of %d ( group address, VLAN ) pairs, and this limit has been exceeded. As a result, traffic sent to this multicast group will be forwarded to all ports.

**Recommended Action:** Use fewer IP multicast groups.

**STORMCONTROLLERTCAMCLEAR:** TCAM overflow condition for StormController setting on Unit %d Port %d has cleared

**Severity:** Warning

**Explanation:** The StormController setting has been programmed and traffic should be controlled

**Recommended Action:** Okay to rely on StormController for this port

**STORMCONTROLLERTCAMFULL:** Unable to find TCAM entry to set stormController on Unit %d Port %d

**Severity:** Warning

**Explanation:** The stormController setting can't be programmed into the switching ASIC due to exhaustion of TCAM entries. Rate can't be controlled for this port for now

**Recommended Action:** Reduce the number of TCAM entries that are programmed into the switching ASIC. One or more of the following steps might be helpful: 1. Reduce the number of ACLs. 2. Use fewer StormController settings.

## 2.11 ENVMON Messages

**CARDINSUFFICIENTFANSDETECTED:** Too few working fans detected for %s. If not resolved, the card will be shut down in %d minutes.

**Severity:** Emergency

**Explanation:** Not enough fans of the correct type are functioning and this card will be shut down if the problem is not resolved.

**Recommended Action:** Check that all fans are inserted and still spinning, and replace any missing or broken fans immediately. Check that all fans are of the same type (i.e., front-to-back vs back-to-front airflow), and replace any differing fans immediately.

**CARDINSUFFICIENTFANSSHUTDOWN:** %s is being shutdown due to insufficient fans.

**Severity:** Emergency

**Explanation:** Too many fans have failed or are missing, or fans of incompatible types have been inserted. The card is being shut down to prevent damage.

**Recommended Action:** Replace the broken, missing, or incompatible fans immediately

**CARDOVERHEATSHUTDOWN:** %s temperature critical and is being shutdown

**Severity:** Emergency

**Explanation:** The specified card has surpassed its critical temperature and is being shutdown to prevent damage to the hardware.

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**CARDOVERHEATWARNING:** %s is overheating

**Severity:** Emergency

**Explanation:** The specified card has begun to overheat. If the card continues to heat up, it will be shutdown to prevent damage to the hardware

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**CARDSUFFICIENTFANSRESTORED:** Sufficient fans restored for %s.

**Severity:** Emergency

**Explanation:** Previously missing, failed, or incompatible fans have been replaced. The card has enough fans to function properly and will not be shut down

**Recommended Action:** No action is required – this message is for information only.

**CARDTEMPNORMAL:** %s temperature has returned to normal

**Severity:** Emergency

**Explanation:** The specified card was overheating but has now returned to a normal operating temperature.

**Recommended Action:** No action is required – this message is for information only.

**FANFAILED:** %s failure detected

**Severity:** Error

**Explanation:** The specified fan has failed or been removed.

**Recommended Action:** Replace the specified fan as soon as possible

**FANOK:** %s has recovered

**Severity:** Error

**Explanation:** The specified fan was previously missing or had previously failed but is now ok

**Recommended Action:** No action is required – this message is for information only.

**FAN\_SPEED\_TOO\_HIGH\_WARNING:** The fan speed of %s is higher than its configured value.

**Severity:** Warning

**Explanation:** This may be caused by a defective fan.

**Recommended Action:** Please try to re-seat the fan. If the problem persists, please contact your support representative for assistance.

**INCOMPATIBLEFANSDETECTED:** Incompatible fans have been detected. If not resolved, the system will be shut down in %d minutes.

**Severity:** Emergency

**Explanation:** All fans must be the same type (i.e. front-to-back or back-to-front) but at least one miss-matched fan has been detected. The system will be shut down if the problem is not resolved.

**Recommended Action:** Check that all fans are of the same type (i.e., front-to-back vs back-to-front airflow), and replace any differing fan(s) immediately.

**INSUFFICIENTFANSDETECTED:** Too few working fans detected. If not resolved, the system will be shut down in %d minutes.

**Severity:** Emergency

**Explanation:** Not enough fans of the correct type are functioning and the system will be shut down if the problem is not resolved.

**Recommended Action:** Check that all fans are inserted and still spinning, and replace any missing or broken fans immediately.

**INSUFFICIENTFANSSHUTDOWN:** System is being shutdown due to insufficient or incompatible fans.

**Severity:** Emergency

**Explanation:** Too many fans have failed or are missing or incompatible fans have been detected. The system is being shut down to prevent damage.

**Recommended Action:** Replace all broken, missing or incompatible fans immediately

**POWERSUPPLY\_OVERHEAT\_CRITICAL:** %s temperature critical

**Severity:** Emergency

**Explanation:** The specified power supply has surpassed its critical temperature.

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**POWERSUPPLY\_OVERHEAT\_WARNING:** %s is overheating

**Severity:** Emergency

**Explanation:** The specified power supply has begun to overheat.

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**POWERSUPPLY\_TEMP\_NORMAL:** %s temperature has returned to normal

**Severity:** Emergency

**Explanation:** The specified power supply was overheating but has now returned to a normal operating temperature.

**Recommended Action:** No action is required – this message is for information only.

**SUFFICIENTFANSRESTORED:** Sufficient fans restored.

**Severity:** Emergency

**Explanation:** Previously missing, failed, or incompatible fans have been replaced. The system has enough fans to function properly and will not be shut down

**Recommended Action:** No action is required – this message is for information only.

**SYSTEMOVERHEATSHUTDOWN:** System temperature critical and will be shutdown %s

**Severity:** Emergency

**Explanation:** The system has surpassed its critical temperature and will be shutdown to prevent damage to the hardware.

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**SYSTEMOVERHEATWARNING:** The system is overheating

**Severity:** Emergency

**Explanation:** The system has begun to overheat. If the system continues to heat up, it will be shutdown

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**SYSTEMSHUTDOWNDETECTED:** System was previously shutdown for environmental reasons.

**Severity:** Warning

**Explanation:** The system was previously shutdown due to insufficient fans or critical system temperature.

**Recommended Action:** Check the output of 'show reset cause' for more information. If the problem persists, please contact your support representative for assistance.

**SYSTEMTEMPNORMAL:** System temperature has returned to normal

**Severity:** Emergency

**Explanation:** The system was overheating but has now returned to a normal operating temperature.

**Recommended Action:** No action is required – this message is for information only.

**TEMPSENSORFAILED:** %s failure detected

**Severity:** Error

**Explanation:** The specified temp sensor has failed.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**TEMPSENSORINVALID:** %s is reporting an invalid temperature

**Severity:** Error

**Explanation:** The specified temp sensor returned an invalid temperature reading. This can happen intermittently, but should not persist.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**TEMPSENSOROK:** %s has recovered

**Severity:** Error

**Explanation:** The specified temp sensor had previously failed but is now ok.

**Recommended Action:** No action is required – this message is for information only.

**XCVR\_OVERHEAT\_CRITICAL:** %s temperature critical

**Severity:** Emergency

**Explanation:** The specified transceiver has surpassed its critical temperature.

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**XCVR\_OVERHEAT\_WARNING:** %s is overheating

**Severity:** Emergency

**Explanation:** The specified transceiver has begun to overheat.

**Recommended Action:** Check that system fans are operating correctly. If the problem persists, please contact your support representative for assistance.

**XCVR\_TEMP\_NORMAL:** %s temperature has returned to normal

**Severity:** Emergency

**Explanation:** The specified transceiver was overheating but has now returned to a normal operating temperature.

**Recommended Action:** No action is required – this message is for information only.

## 2.12 ETH Messages

**ARP\_CACHE\_CLEAR:** ARP cache cleared by %s on %s (%s)

**Severity:** Notice

**Explanation:** ARP cache cleared by CLI command

**Recommended Action:** No action is required – this message is for information only.

**AUTONEGUNUNSUPPORTED:** Auto-negotiation is unsupported on interface %s, link mode (speed and duplex) will be forced to %s mode instead

**Severity:** Warning

**Explanation:** The interface is configured to auto-negotiate, but the transceiver currently inserted does not support auto-negotiation. The switch will attempt to bring up the link with a forced configuration, as indicated in the message.

**Recommended Action:** Configure the interface to use one of the supported link modes, or replace the transceiver with one that supports the configured link mode.

**ERRDISABLE:** %s error detected on %s.

**Severity:** Warning

**Explanation:** The switch detected the reported error condition on the interface, and disabled the interface

**Recommended Action:** The switch detected the reported error condition (errdisable cause) on the interface. As a precautionary measure, and to avoid the error condition from affecting the switch/network, the switch disables the interface. If recovery timer has been configured for the errdisable cause, the switch will attempt to recover the interface after the recovery timeout. The interface could also be recovered by performing the shutdown command, followed by the no shutdown command in the interface configuration mode.

**ETHTOOLFAIL:** SIOCETHTOOL %s (%s, interface %s): %s

**Severity:** Error

**Explanation:** The Linux kernel reported an error when accessing the given interface.

**Recommended Action:** If the problem persists, please contact customer support.

**HOST\_FLAPPING:** Host %s in VLAN %s is flapping between interface %s and interface %s

**Severity:** Warning

**Explanation:** The MAC address was detected on multiple ports within a short timeframe.

**Recommended Action:** It is recommended to check your network for loops or MAC address conflicts.

**IGMP\_LOCAL\_RECEIVER\_IGNORED:** A local application's request to receive multicast group %s was ignored.

**Severity:** Info

**Explanation:** An application running on the switch requested reception of a multicast address. This is unsupported and the request was ignored.

**Recommended Action:** This functionality is currently unsupported. No action required.

**LINKMODEUNCONFIGURED:** Interface %s link mode is unconfigured

**Severity:** Warning

**Explanation:** The interface's link mode has not been configured. The interface lacks a proper default configuration.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**LINKMODEUNSUPPORTED:** Unsupported link mode %s for interface %s

**Severity:** Warning

**Explanation:** The currently inserted transceiver does not support the link mode (speed and/or duplex) that has been configured for the interface.

**Recommended Action:** Configure the interface to use one of the supported link modes, or replace the transceiver with one that supports the configured link mode.

**MACADDRBANKFULL:** Unable to program %s host table entry for MAC address %s in VLAN %d due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified MAC address could not be programmed into the switching ASIC due to hash collisions in a bucket. Packets destined to the address will be flooded.

**Recommended Action:** Reduce the number of host table entries that need to be programmed into the switching ASIC. One or more of the following steps might be helpful: 1. Reduce the number of static mac entries. 2. Clear dynamic mac table entries. 3. Introduce additional layer 3 boundaries to reduce the number of MAC addresses. Please contact your technical support representative if you need additional assistance.

**MAC\_ADDR\_TABLE\_CLEAR:** Clear MAC address table on %s, %s by %s on %s (%s)

**Severity:** Notice

**Explanation:** MAC address table was cleared by CLI command

**Recommended Action:** No action is required – this message is for information only.

**MULTICAST\_MAC\_ADDR\_BANK\_FULL:** Unable to program the multicast MAC address table entry for %s in VLAN %d due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** It was not possible to program the switching ASIC with the host table entry for a group learned via IGMP Snooping or static mac address table configuration due to a lack of hardware resources.

**Recommended Action:** Use fewer or a different set of multicast groups.

**POLLINKSTATUSFAIL:** Failed to poll link status on interface %s (%s)

**Severity:** Warning

**Explanation:** An attempt to poll the interface's status failed.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SETADDRFAIL:** Failed to set the MAC address of interface %s to %s

**Severity:** Warning

**Explanation:** An attempt to set the MAC address of the interface failed for an unknown reason.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SETDISFAIL:** Failed to disable interface %s

**Severity:** Warning

**Explanation:** An attempt to disable the interface failed for an unknown reason.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SETENFAIL:** Failed to enable interface %s

**Severity:** Warning

**Explanation:** An attempt to enable the interface failed for an unknown reason.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SETLINKMODEFAIL:** Failed to set speed/duplex on interface %s to %s/%s (%s)

**Severity:** Warning

**Explanation:** An attempt to set the interface's speed/duplex mode failed.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SETMTUFAIL:** Failed to set interface %s mtu

**Severity:** Warning

**Explanation:** An attempt to set the interface mtu failed for an unknown reason.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SETPAUSEPARAMFAIL:** Failed to set pause parameters on interface %s (%s)

**Severity:** Warning

**Explanation:** An attempt to set the interface's pause parameters failed.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.



**UNKNOWN\_MULTICAST\_FORWARDING\_DISABLED:** Multicast sent to a group with no local members will be discarded in VLAN %d: %s.

**Severity:** Warning

**Explanation:** Multicast packets for groups that have not been learned by IGMP Snooping nor programmed via the CLI or Pim will be discarded in this VLAN because hardware resources are full

**Recommended Action:** Use fewer VLANs with unknown multicast traffic.

**UNKNOWN\_MULTICAST\_FORWARDING\_RESUMED:** Multicast sent to a group with no local members will be flooded normally in VLAN %d

**Severity:** Warning

**Explanation:** Multicast packets for groups that have not been learned by IGMP Snooping nor programmed via the CLI or Pim, will be flooded normally to the entire VLAN or router interfaces as expected.

**Recommended Action:** No action is required – this message is for information only.

**VLAN\_ENCAP\_TABLE\_FULL:** Unable to encapsulate %s packets on interface %s with VLAN %d due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The encapsulation could not be programmed due to insufficient hardware resources. Packets on the specified interface will no longer be encapsulated.

**Recommended Action:** To solve this issue, please reduce the number of vlan mappings that are currently configured and try again.

**VLAN\_FLOODSET\_FORWARDING\_DISABLED:** Traffic sent to the vlan floodset in vlan %d will be discarded %s.

**Severity:** Error

**Explanation:** Broadcast and unknown DA traffic sent to the vlan floodset will be discarded in this VLAN. The vlan floodset could not be programmed because hardware resources are full.

**Recommended Action:** Remove multicast groups or vlans in order to reduce hardware usage. When hardware resources are freed, the vlan floodset will automatically be programmed

**VLAN\_FLOODSET\_FORWARDING\_RESUMED:** Traffic sent to the vlan floodset will be forwarded normally in vlan %d

**Severity:** Error

**Explanation:** Broadcast and unknown DA traffic sent to the vlan floodset will be forwarded normally in this VLAN.

**Recommended Action:** No action is required – this message is for information only.

**VLAN\_MAPPING\_TABLE\_FULL:** Unable to map VLAN %d to %d for interface %s on %s due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified VLAN mapping could not be programmed due to insufficient hardware resources. Packets on the original VLAN will no longer be mapped.

**Recommended Action:** To solve this issue, please reduce the number of vlan mappings that are currently configured and try again.

**VNIVLANMAPFULL:** Unable to program VLAN %d to VNI %d mapping due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The specified mapping could not be programmed into the switching ASIC due to hash collisions in a bucket. Remote VXLAN packets destined for the specified VNI from the specified VLAN will not be forwarded.

**Recommended Action:** Reduce the number of such mappings that need to be programmed into the switching ASIC. Please contact your technical support representative if you need additional assistance.

## 2.13 EVENTMON Messages

**DB\_WRITE\_FAILED:** A sqlite %s exception occurred when writing to the EventMon database

**Severity:** Error

**Explanation:** An error occurred when trying to write to EventMon Database

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

## 2.14 EXTENSION Messages

**INSTALLED:** Extension %s has been installed.

**Severity:** Info

**Explanation:** The extension has been installed.

**Recommended Action:** No action is required – this message is for information only.

**INSTALLING:** Installing extension %s, version %s, SHA-1 %s

**Severity:** Info

**Explanation:** EOS has started to install the extension.

**Recommended Action:** No action is required – this message is for information only.

**INSTALL\_ERROR:** Extension %s failed to install: %s

**Severity:** Error

**Explanation:** The extension failed to install. The log message may contain a reason why installation failed, such as a missing dependency.

**Recommended Action:** Determine why the extension failed to install. If a dependency is missing, install it. If you are unsure how to proceed, contact the developer of the extension or your support representative.

**UNINSTALLED:** Extension %s has been uninstalled.

**Severity:** Info

**Explanation:** The extension has been uninstalled.

**Recommended Action:** No action is required – this message is for information only.

**UNINSTALLING:** Uninstalling extension %s

**Severity:** Info

**Explanation:** EOS has started to uninstall the extension.

**Recommended Action:** No action is required – this message is for information only.

**UNINSTALL\_ERROR:** Extension %s failed to uninstall: %s

**Severity:** Error

**Explanation:** The extension failed to uninstall. The message may contain a reason why uninstallation failed, such as a dependency from another installed extension.

**Recommended Action:** Determine why the extension failed to uninstall. Some extensions may not support uninstall, requiring a reboot of the switch to remove the extension. If you are unsure how to proceed, contact the developer of the extension or your support representative.

## 2.15 FHRP Messages

**ADDR\_ERROR:** Failed to %s a virtual address %s %s the kernel local routing table

**Severity:** Error

**Explanation:** VARP/VRRP virtual address was not added/removed from the kernel local routing table

**Recommended Action:** Check the configuration and ensure that VARP/VRRP addresses are unique and do not conflict with interface addresses. Also check that no manual entries were added to the linux local routing table.

## 2.16 FOCALPOINT Messages

**NOMTUINDEX:** Insufficient hardware resources for programming MTU

**Severity:** Warning

**Explanation:** Insufficient hardware resources to program more than 7 distinct MTU values. All the vlan interfaces will revert back to a default MTU value of 1500.

**Recommended Action:** Use fewer than 8 distinct MTU values.

**NOMULTICASTGROUPS:** Insufficient hardware resources for multicast group %s in VLAN %d

**Severity:** Warning

**Explanation:** Insufficient hardware resources are available to program a forwarding entry for this multicast group, which was learned via IGMP Snooping or static MAC table configuration. There is a limit of 2048 ( group address, VLAN ) pairs, and this limit has been exceeded. As a result, traffic sent to this multicast group will not be forwarded to the correct set of ports.

**Recommended Action:** Use fewer IP multicast groups.

**NO\_MORE\_SPANNING\_TREES:** Hardware resources are insufficient to create the number of requested spanning trees

**Severity:** Error

**Explanation:** The switch is unable to create the number of requested spanning trees due to insufficient hardware resources. When the switch is unable to create enough spanning trees, some VLANs may share a default spanning tree instead.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the number of spanning trees required.

**UNABLE\_TO\_DRAIN\_PACKET\_MEMORY:** Packet memory could not be drained before changing flow control settings.

**Severity:** Error

**Explanation:** The switch is unable to drain the packet memory prior to changing flow control settings. The switch needs to be reinitialized to work properly.

**Recommended Action:** The forwarding agent will restart and fix the issue. No action is required from the user.

## 2.17 FOCALPOINTV2 Messages

**ACL\_COUNTER\_A:** Hardware resources to enable counting is available.

**Severity:** Info

**Explanation:** Reapply to enable counting.

**Recommended Action:** No action is required – this message is for information only.

**ACL\_COUNTER\_FULL:** Hardware resources full.

**Severity:** Info

**Explanation:** Counting will be disabled for some rules `Acl %s`.

**Recommended Action:** No action is required – this message is for information only.

**ACL\_COUNTER\_NA:** Hardware resources to enable counting is not available.

**Severity:** Info

**Explanation:** Counting Disabled for `Acl %s`.

**Recommended Action:** No action is required – this message is for information only.

**ACL\_PERMIT\_LOGGING\_DISABLED:** ACL logging can't be enabled for permit rules in `%s` due to hardware resource limitations.

**Severity:** Error

**Explanation:** Release a mirror session and reapply your ACLs to enable permit logging.

**Recommended Action:** No action is required – this message is for information only.

**AGILEPORT\_MODE\_CHANGE:** Change in agile port mode requires a restart of the FocalPointV2 agent.

**Severity:** Info

**Explanation:** An agile port mode change occurs the first time an agile port is configured for 40G and when the last agile port configured for 40G is configured for 10G.

**Recommended Action:** No action is required – this message is for information only.

**DMA\_ERROR:** `%s` Packet DMA Error occurred in FocalPoint chip `%s`

**Severity:** Error

**Explanation:** A fatal Error affecting cpu packet DMA occurred in a FocalPoint switching ASIC. FocalPoint agent restarted in order to recover from this error.

**Recommended Action:** No action is required – this message is for information only.

**LARGE\_IP\_ACL\_CONFLICTS:** Current ACL configuration can't be supported due to programming limitations with large IP ACLs.

**Severity:** Error

**Explanation:** Reduce or reconfigure your ACLs to enable programming.

**Recommended Action:** No action is required – this message is for information only.

**MROUTE\_INTERNAL\_ERROR:** Internal multicast routing error `%d %s`

**Severity:** Error

**Explanation:** An internal error has happened during an operation in the multicast routing table. The internal state of the multicast table might be inconsistent.

**Recommended Action:** No action is required – this message is for information only.

**MTUINDEXRESTORED:** Restored hardware resources for programming MTU on vlan `%d`

**Severity:** Warning

**Explanation:** The vlan MTU value has been restored to its configured MTU value

**Recommended Action:** No action is required – this message is for information only.

**NOMTUINDEX:** Insufficient hardware resources for programming MTU on vlan `%d`

**Severity:** Warning

**Explanation:** Insufficient hardware resources to program more than 16 distinct MTU values. The vlan interface will revert back to a default MTU value of 1500

**Recommended Action:** No action is required – this message is for information only.

**PCIE\_ERROR:** PCIE Error occurred in FocalPoint chip %s

**Severity:** Error

**Explanation:** FocalPoint agent restarted in order to recover from this error.

**Recommended Action:** No action is required – this message is for information only.

**POLICER\_BANK\_FULL:** Hardware resources are insufficient to program all NAT rules

**Severity:** Error

**Explanation:** The switch is unable to program all NAT rules due to insufficient hardware policer banks.

**Recommended Action:** To solve this issue, remove features that are using policer banks from the configuration.

**POLICER\_BANK\_NORMAL:** All new dynamic NAT connections will be programmed in hardware

**Severity:** Error

**Explanation:** The switch will program all new dynamic NAT connections in the hardware, all existing connections will continue to be translated in software.

**Recommended Action:** No action is required – this message is for information only.

## 2.18 FRU Messages

**CARD\_FAILURE:** Hardware failure when reading the card in slot %s

**Severity:** Error

**Explanation:** A fatal error occurred when attempting to access a card.

**Recommended Action:** This is a software or hardware problem. It may be necessary to upgrade software or replace the card.

**CARD\_INSERTED:** Card %s has been inserted. model: %s rev: %s serial number: %s

**Severity:** Info

**Explanation:** Card insertion detected

**Recommended Action:** No action is required – this message is for information only.

**CARD\_INTERFACE\_CONFIG\_REMOVED:** Interface configuration on %s removed due to incompatible card model for configuration. current model: %s previous model: %s

**Severity:** Info

**Explanation:** Card interface configuration removed

**Recommended Action:** No action is required – this message is for information only.

**CARD\_REMOVED:** Card %s has been removed. model: %s rev: %s serial number: %s

**Severity:** Info

**Explanation:** Card removal detected

**Recommended Action:** No action is required – this message is for information only.

**CARD\_UNSUPPORTED:** Card in slot %s is unsupported (code %d)

**Severity:** Error

**Explanation:** The inserted card is not supported by the running software. The card is not brought online.

**Recommended Action:** Install software that supports the card.

**CHASSIS\_FAILURE:** Hardware failure when accessing the chassis

**Severity:** Emergency

**Explanation:** A fatal error occurred when attempting to access the chassis.

**Recommended Action:** Upgrade software or contact support. System functionality may be severely limited

**CHASSIS\_UNSUPPORTED:** Chassis is unsupported

**Severity:** Emergency

**Explanation:** The chassis is not supported by the running software. System functionality may be severely limited.

**Recommended Action:** Install software that supports the chassis.

**FAN\_INSERTED:** %s has been inserted

**Severity:** Info

**Explanation:** The specified fan has been inserted.

**Recommended Action:** No action is required – this message is for information only.

**FAN\_REMOVED:** %s has been removed

**Severity:** Info

**Explanation:** The specified fan has been removed or is not properly seated.

**Recommended Action:** Reinsert the fan, or check that the fan is properly inserted.

**FAN\_UNSUPPORTED:** %s is unsupported

**Severity:** Error

**Explanation:** The specified is not supported by the running software.

**Recommended Action:** Check that the version of software you are running supports the specified fan type. Upgrade software or replace the fan.



**NOLBTDUMP:** Unable to determine About firmware version (%s)

**Severity:** Error

**Explanation:** nvramtool/lbtdump command failed

**Recommended Action:** No action is required – this message is for information only.

**POWERSUPPLY\_DRIVER:** Fatal software failure for the power supply in slot %s

**Severity:** Error

**Explanation:** A fatal error occurred when attempting to instantiate management software for the power supply.

**Recommended Action:** Upgrade software to the current release. Contact support if the problem persists following an upgrade.

**POWERSUPPLY\_FAILURE:** Power Supply in slot %d failed

**Severity:** Error

**Explanation:** The power supply inserted in the above slot could not be identified due to hardware errors

**Recommended Action:** Check that the power supply is properly inserted. It may be necessary to replace the power supply.

**POWERSUPPLY\_INSERTED:** Power Supply in slot %d has been inserted

**Severity:** Info

**Explanation:** Power supply insertion detected

**Recommended Action:** No action is required – this message is for information only.

**POWERSUPPLY\_REMOVED:** Power Supply in slot %d has been removed

**Severity:** Info

**Explanation:** Power supply removal detected

**Recommended Action:** No action is required – this message is for information only.

**POWERSUPPLY\_UNSUPPORTED:** Power Supply in slot %d is not supported

**Severity:** Error

**Explanation:** The power supply inserted in the above slot is unknown and not supported by the software

**Recommended Action:** Replace the power supply with a power supply supported by the version of your software.

**SEEPROM\_CORRUPTED:** A corrupted Seeprom was detected on device %s. Repair was %s.

**Severity:** Error

**Explanation:** Seeproms can very rarely be corrupted. Redundant state covers this issue and often allows for full reparation. No action needs to be taken.

**Recommended Action:** Seeproms contain configurative informatin for the system hardware. While a corruption is rare redundant state is provided against this occasion with repair logic built into the system.

**SSD\_DETECTION\_ERROR:** Failed to detect SSD on bootup. Error msg: %s

**Severity:** Error

**Explanation:** Failed to detect SSD during system bootup. This can happen if the device is not recognized by the driver or if the system encountered an error when booting up.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SSD\_PARTITION\_NOT\_MOUNTED:** SSD partition %s not mounted as /mnt/drive

**Severity:** Error

**Explanation:** The specified SSD partition is not currently mounted as /mnt/drive. This can happen if the partition is not properly formatted or if the SSD device was not detected by the driver.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SSD\_UNEXPECTED\_PARTITION\_MOUNTED:** Unexpected partition %s mounted as /mnt/drive. Expected SSD partition %s to be mounted as /mnt/drive instead.

**Severity:** Error

**Explanation:** Expected the specified SSD partition to be mounted as /mnt/drive. But a different partition got mounted as /mnt/drive. This is unexpected.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SSD\_WRITECACHE\_DISABLE\_FAILED:** Failed to disable write cache for SSD drive %s.

**Severity:** Error

**Explanation:** Failed to disable write cache on SSD drive.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SYSTEM\_DRIVER:** Fatal software failure for this system

**Severity:** Emergency

**Explanation:** A fatal error occurred when attempting to instantiate management software for the system.

**Recommended Action:** This is probably a problem with the installed software. It may be necessary to upgrade software.

**SYSTEM\_FAILURE:** Failed to read hardware description of this system (code %d)

**Severity:** Emergency

**Explanation:** A fatal error occurred when attempting to read the factory-programmed hardware description of this system. This may be a hardware or software failure. System functionality may be severely limited.

**Recommended Action:** Install new software and restart the Fru Agent, or replace the hardware.

**SYSTEM\_UNSUPPORTED:** Fru management software is not installed for this system (code %d)

**Severity:** Emergency

**Explanation:** The current hardware is not supported by the running Fru Agent software. System functionality is severely limited.

**Recommended Action:** Install new software and restart the Fru Agent

**TRANSCEIVER\_INSERTED:** A transceiver for interface %s has been inserted. manufacturer: %s model: %s part number %s rev %s serial number %s

**Severity:** Info

**Explanation:** Transceiver insertion detected

**Recommended Action:** No action is required – this message is for information only.

**TRANSCEIVER\_REMOVED:** The transceiver for interface %s has been removed

**Severity:** Info

**Explanation:** Transceiver removal detected

**Recommended Action:** No action is required – this message is for information only.

## 2.19 FWK Messages

**ELB\_MEMORYLIMITEXCEEDED:** AttrLog buffer memory limit exceeded. (%s)(%s)

**Severity:** Error

**Explanation:** A runtime subsystem memory limit was reached.

**Recommended Action:** Please contact technical support.

**FAILED\_TO\_INSTANTIATE:** Unable to instantiate entity %s requested by peer %s at %s

**Severity:** Warning

**Explanation:** The runtime subsystem was unable to instantiate an entity requested by a peer process. It is possible that incompatible library versions are in use.

**Recommended Action:** This is likely a serious error. Please contact technical support.

**INstantiate\_READONLY:** Instantiation of %s requested by read-only peer %s at %s

**Severity:** Warning

**Explanation:** The runtime subsystem refused to instantiate an entity requested by a peer process that mounted the parent read-only.

**Recommended Action:** Please contact technical support.

**MOUNT\_CLOSED\_EXIT:** Process exiting.

**Severity:** Error

**Explanation:** A runtime subsystem lost contact with a peer process.

**Recommended Action:** Please contact technical support.

**MOUNT\_PEER\_CLOSED:** Peer closed socket connection. (%s)(%s)

**Severity:** Error

**Explanation:** A runtime subsystem lost contact with a peer process.

**Recommended Action:** Please contact technical support.

**SOCKET\_CLOSE\_LOCAL:** Closing connection to %s at %s (%s)

**Severity:** Error

**Explanation:** A runtime subsystem lost contact with a peer process.

**Recommended Action:** Please contact technical support.

**SOCKET\_CLOSE\_REMOTE:** Connection to %s at %s closed by peer (%s)

**Severity:** Error

**Explanation:** A runtime subsystem lost contact with a peer process.

**Recommended Action:** Please contact technical support.

## 2.20 HARDWARE Messages

**AHWAHNEE\_PICASSO\_INIT\_FAILED:** Ahwahnee picasso init failed

**Severity:** Warning

**Explanation:** Setting up of picasso pcie BAR on ahwahnee supe has failed

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**ALTA\_POWER\_RAILS\_ADJFAILED:** Failed to perform FM6000 power rail adjustment

**Severity:** Warning

**Explanation:** The system could not perform an adjustment of FM6000 power rails.

**Recommended Action:** Rebooting the system may solve the problem. This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**ALTA\_POWER\_RAILS\_ADJUSTED:** Successfully adjusted FM6000 power rails.

**Severity:** Info

**Explanation:** Voltage on FM6000 power rails was adjusted to its optimal value.

**Recommended Action:** No action is required – this message is for information only.

**CARD\_BAD\_INPUT\_VOLTAGE:** %s supply voltage is incorrect (voltage is %s)

**Severity:** Error

**Explanation:** Software detected that the card has a power supply problem

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CARD\_DMAENGINES\_RESET:** Rebooting supervisor with dma engines in reset

**Severity:** Info

**Explanation:** Dma engines must be in reset at boot time.

**Recommended Action:** No action is required – this message is for information only.

**CARD\_EJECTOR\_CLOSED:** Card %s's ejector handle is now closed

**Severity:** Warning

**Explanation:** An ejector handle is closed on a fabric card. The ejector handle is used to detect card removal and remove the fabric card from the system without dropping packets. If the ejector handle is not properly closed, software will be unable to detect that a card is about to be removed and will be unable to perform a graceful shutdown.

**Recommended Action:** No action is required – this message is for information only.

**CARD\_EJECTOR\_OPEN\_AFTER\_INSERTION:** %s's ejector handle was open after insertion. This will prevent a clean shutdown of the card if it is removed, and packets may be dropped.

**Severity:** Warning

**Explanation:** An open fabric card ejector handle was detected. The ejector handle is used to detect card removal and remove the fabric card from the system without dropping packets. If the ejector handle is not properly closed, software will be unable to detect that a card is about to be removed and will be unable to perform a graceful shutdown.

**Recommended Action:** Make sure the ejector handle is properly closed.

**CARD\_EJECTOR\_OPEN\_SHUTDOWN:** Card %s's ejector handle is now open and the card is being shut down.

**Severity:** Warning

**Explanation:** An ejector handle on a fabric card is open. The card will be shut down to prevent packet loss upon fabric card removal.

**Recommended Action:** No action is required – this message is for information only.

**CARD\_FAIL\_TO\_POWER\_ON:** Card %s failed to power on in state %s, will retry in %d minutes. model: %s rev: %s serial number: %s

**Severity:** Error

**Explanation:** Software detected a problem while attempting to power on a card

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CARD\_FAIL\_TO\_POWER\_ON\_FINAL:** Card %s failed to power on in state %s %d times. No longer retrying.  
model: %s rev: %s serial number: %s

**Severity:** Emergency

**Explanation:** Software detected a problem while attempting to power on a card

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CARD\_LOST\_COMMUNICATION:** Communication with %s has been lost. PCIE\_FATAL\_ERROR signal is asserted. model: %s rev: %s serial number: %s

**Severity:** Error

**Explanation:** Software detected a problem communicating to a PCIe switch in the system

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CARD\_LOST\_POWER:** %s unexpectedly lost power. POWER\_GOOD signal deasserted. model: %s rev: %s serial number: %s

**Severity:** Error

**Explanation:** Software detected a problem with power on a card in the system

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CARD\_POWERED\_OFF:** Card %s has been powered off. model: %s rev: %s serial number: %s

**Severity:** Info

**Explanation:** Software has powered down the card

**Recommended Action:** No action is required – this message is for information only.

**CARD\_POWERED\_ON:** Card %s has been powered on. model: %s rev: %s serial number: %s

**Severity:** Info

**Explanation:** Software has powered up the card

**Recommended Action:** No action is required – this message is for information only.

**CARD\_TEMP\_ALERT\_ERROR:** Temp Alert has been asserted on %s

**Severity:** Error

**Explanation:** Software detected a problem with temperature on a card in the system

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CHIP\_BAD\_VERSION:** Cannot access %s (%s). Unexpected version: %d

**Severity:** Error

**Explanation:** The version of this chip is not what was expected. This probably means the read of the version register failed, and we cannot access the chip's registers.

**Recommended Action:** Remove and insert the card

**CHL822X\_UPGRADED:** Successfully upgraded Chl822X device to version %d

**Severity:** Info

**Explanation:** Device was successfully upgraded.

**Recommended Action:** No action is required – this message is for information only.

**CHL822X\_UPGRADEFAILED:** Failed to perform an upgrade of the Chl822X device

**Severity:** Emergency

**Explanation:** The system could not perform an upgrade of a Chl822X device. This may be due to a hardware or software failure.

**Recommended Action:** Rebooting the system may solve the problem. This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**ERROR\_DETECTED:** Software has detected %s '%s'.

**Severity:** Error

**Explanation:** Software has detected a problem.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FANSMBUSFAILURE:** Error detected in the System Management Bus connection to fan slot %s

**Severity:** Error

**Explanation:** Software detected an error in the System Management Bus connection to the given fan. Fan detection has been disabled for this slot.

**Recommended Action:** Try replacing the affected fan again. If the problem persists, please contact your support representative for assistance.

**FPFATALERROR:** Fatal hardware error on FocalPoint %s (code %d)

**Severity:** Emergency

**Explanation:** A switching ASIC has experienced a fatal hardware error. The switch is now unusable.

**Recommended Action:** Contact support to facilitate switch replacement.

**FPGA\_PROGRAMMER\_ERROR:** Fpga programming failed for fpga %s

**Severity:** Error

**Explanation:** Software detected a problem while configuring the given fpga.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FPGA\_STATIC\_UPGRADED:** Successfully upgraded %s system fpga.

**Severity:** Info

**Explanation:** The above fpga was successfully upgraded.

**Recommended Action:** No action is required – this message is for information only.

**FPGA\_STATIC\_UPGRADEFAILED:** Failed to perform an upgrade of the %s system fpga.

**Severity:** Emergency

**Explanation:** The system could not perform an upgrade of an fpga. This may be due to a hardware or software failure. System functionality will be severely limited.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FPGA\_STATIC\_UPGRADING:** The upgrade of the %s system fpga has begun.

**Severity:** Info

**Explanation:** The above fpga is currently upgrading

**Recommended Action:** No action is required – this message is for information only.

**FPGA\_UNPROGRAMMED:** System fpga %s is unprogrammed.

**Severity:** Emergency

**Explanation:** The given fpga is unprogrammed and cannot be accessed, possibly due to an interrupted or failed attempt at upgrading the fpga. Manual intervention may be able to fix the problem. System functionality will be severely limited until then.

**Recommended Action:** Please see Knowledge Base article #NN for instructions on how to manually program the fpga.

**FPGA\_UNRECOGNIZED:** The %s FPGA image installed is not recognized by EOS

**Severity:** Error

**Explanation:** Fpgas provide logic and hardware level performance to many Arista switches. The above chip is not currently recognized by the EOS operating system. If the above chip is a Stratix V with customer specific functionality of the 7124FX family, please contact your internal FPGA team. Otherwise, contact Arista customer support.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**FPGA\_UPGRADED:** Successfully upgraded %s system fpga to version %d

**Severity:** Info

**Explanation:** The above fpga was successfully upgraded.

**Recommended Action:** No action is required – this message is for information only.

**FPGA\_UPGRADEFAILED:** Failed to perform an upgrade of the %s system fpga from version %d to version %d.

**Severity:** Emergency

**Explanation:** The system could not perform an upgrade of an fpga. This may be due to a hardware or software failure. System functionality will be severely limited.

**Recommended Action:** Downgrading back to an earlier version of EOS may restore system functionality. This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**FPGA\_UPGRADEINTERRUPTED:** A previous attempt to upgrade the %s system fpga was interrupted.

**Severity:** Info

**Explanation:** The system detected that a previous attempt to upgrade the given fpga was interrupted before the upgrade completed. This could be because the switch lost power while upgrading the fpga.

**Recommended Action:** No action is required – this message is for information only.

**FPGA\_UPGRADEMISSINGREVISION:** A previous attempt to upgrade the %s system fpga could not proceed because the system was given a missing or corrupt fpga image file: %s

**Severity:** Error

**Explanation:** The system detected that the fpga image file supplied to it was either missing or corrupt. Hence it could not read the revision number for the supplied image.

**Recommended Action:** Please ensure that a valid image file is supplied for the upgrade.

**FPGA\_VALID:** The %s FPGA is currently being read by EOS

**Severity:** Notice

**Explanation:** Fpgas provide logic to and hardware level performance to many Arista switches. The above chip has been programmed successfully and is recognized by the EOS operating system

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_CORRECTED:** Parity error repaired by ECC logic in FocalPoint chip %s (%s) (count: %d)

**Severity:** Info

**Explanation:** A parity error occurred in one of the SRAM areas in a FocalPoint switching ASIC. The affected entry was repaired by ECC logic in the SRAM. Traffic forwarding will not be affected by this error.

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_FATAL:** Fatal parity error occurred in FocalPoint chip %s (%s)

**Severity:** Warning

**Explanation:** A fatal parity error occurred in a FocalPoint switching ASIC. The FocalPointV2 agent restarted in order to recover from this error.

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_REPAIRED:** Parity error detected and repaired in FocalPoint chip %s (%s) (count: %d)

**Severity:** Info

**Explanation:** A parity error occurred in one of the tables in a FocalPoint switching ASIC. The affected entry was repaired by rewriting it from the software cache. Traffic forwarding may have been adversely affected for a few milliseconds.

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_STATS\_UNCORRECTABLE:** Uncorrectable parity error occurred in the statistics in FocalPoint chip %s (%s)

**Severity:** Warning

**Explanation:** An uncorrectable but non-fatal parity error occurred in a FocalPoint switching ASIC. Traffic forwarding will not be affected by this error. Some statistics are no longer accurate. To recover from this error, restart the FocalPointV2 agent in a maintenance window.

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_TRANSIENT:** Transient parity error occurred in FocalPoint chip %s (%s) (count: %d)

**Severity:** Info

**Explanation:** A parity error occurred while forwarding a frame in a FocalPoint switching ASIC. The frame will have been dropped (or transmitted cut-through with a forced bad CRC), but the error will have no further effect.

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_WRITEBACK\_END:** Finish software correction of ECC protected memory in FocalPoint chip %s (SRAM: %d).

**Severity:** Info

**Explanation:** A parity error occurred in one of the SRAM areas in a FocalPoint switching ASIC. The affected entry is repaired on reads by ECC logic in the SRAM. To correct the hardware, a write to the affected entry is necessary. Finishing this write. Traffic forwarding will not be affected by this.

**Recommended Action:** No action is required – this message is for information only.

**FPV2\_PERR\_WRITEBACK\_START:** Start software correction of ECC protected memory in FocalPoint chip %s (SRAM: %d).

**Severity:** Info

**Explanation:** A parity error occurred in one of the SRAM areas in a FocalPoint switching ASIC. The affected entry is repaired on reads by ECC logic in the SRAM. To correct the hardware, a write to the affected entry is necessary. Beginning this write. Traffic forwarding will not be affected by this.

**Recommended Action:** No action is required – this message is for information only.

**FP\_PERR\_CUMULATIVE:** Cumulative parity error occurred in FocalPoint chip %s (%s) (count: %d)

**Severity:** Warning

**Explanation:** A parity error occurred in an SRAM in a FocalPoint switching ASIC. The affected segment (512 bytes) of packet memory has been disabled.

**Recommended Action:** No immediate action is required. Reboot the switch during the next scheduled maintenance window to recover the lost memory.

**FP\_PERR\_FATAL:** Fatal parity error occurred in FocalPoint chip %s (%s)

**Severity:** Warning

**Explanation:** A fatal parity error occurred in a FocalPoint switching ASIC. The FocalPoint agent restarted in order to recover from this error.

**Recommended Action:** No action is required – this message is for information only.

**FP\_PERR\_REPAIRED:** Parity error detected and repaired in FocalPoint chip %s (%s) (count: %d)

**Severity:** Info

**Explanation:** A parity error occurred in one of the tables in a FocalPoint switching ASIC. The affected entry was repaired by rewriting it from the software cache. Traffic forwarding may have been adversely affected for a few milliseconds.

**Recommended Action:** No action is required – this message is for information only.

**FP\_PERR\_TRANSIENT:** Transient parity error occurred in FocalPoint chip %s (%s) (count: %d)

**Severity:** Info

**Explanation:** A parity error occurred while forwarding a frame in a FocalPoint switching ASIC. The frame will have been dropped (or transmitted cut-through with a forced bad CRC), but the error will have no further effect.

**Recommended Action:** No action is required – this message is for information only.

**FW\_LOAD\_FAILED:** Failed to load firmware: %s

**Severity:** Emergency

**Explanation:** An error occurred while attempting to load firmware into the specified device(s). The device(s) are non-operational until this problem is fixed.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.



**FW\_LOAD\_SLOW:** Programming firmware is unexpectedly slow: %s

**Severity:** Info

**Explanation:** Firmware was loaded into the specified device successfully, but the process took longer than expected. The device(s) is operating normally.

**Recommended Action:** No action is required – this message is for information only.

**FW\_UPDATE\_DONE:** Finished updating firmware: %s

**Severity:** Info

**Explanation:** The firmware for the specified devices has been successfully updated.

**Recommended Action:** No action is required – this message is for information only.

**FW\_UPDATE\_START:** Updating firmware: %s

**Severity:** Info

**Explanation:** The firmware for the specified devices is being updated. This may take a few minutes, and may delay system startup.

**Recommended Action:** No action is required – this message is for information only.

**KERNEL\_PANIC\_EEPROM\_RW\_FAIL:** Failed to %s kernel panic eeprom

**Severity:** Info

**Explanation:** Software encountered failure in eeprom read/write operation

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**LINK\_ERROR:** Hardware error on chip %s port %s.

**Severity:** Error

**Explanation:** Unable to bring up Internal link. Switch will continue to operate with limited bandwidth between line chips.

**Recommended Action:** Contact your support representative with the contents of this message

**MUX\_INIT\_ERROR:** Card %s mux failed to initialize

**Severity:** Error

**Explanation:** Software was unable to configure the board's smbus mux

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**NOT\_PRESENT:** Previously accessible hardware %s is no longer accessible.

**Severity:** Error

**Explanation:** Hardware which was previously accessible is no longer. Possibly the linecard was removed, or there is a PCIe problem.

**Recommended Action:** Remove and insert the card

**PCIE\_COMM\_ERROR:** Multiple smbus access to Pcie switch %s have failed

**Severity:** Error

**Explanation:** Software detected a problem communicating to a pcie switch in the system

**Recommended Action:** If this problem persists, please contact your support representative for assistance.

**PCIE\_FATAL\_ERROR:** Uncorrectable Fatal PCIe Error detected. PCI device id: %s, error count: %d.

**Severity:** Error

**Explanation:** The PCIe fabric is no longer reliable.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**PCIE\_NONFATAL\_ERROR:** Uncorrectable Non-Fatal PCIe Error detected. PCI device id: %s, error count: %d.

**Severity:** Warning

**Explanation:** The PCIe fabric integrity is unaffected.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**PCIE\_SUPE\_INIT\_COMM\_ERROR:** Smbus access to the supervisors Pcie switch %s has failed

**Severity:** Error

**Explanation:** Software detected a problem communicating to a pcie switch in the system, this may cause linecard or fabric cards to fail to power on.

**Recommended Action:** If this problem persists, please contact your support representative for assistance.

**PCIE\_SWITCH\_NO\_UPSTREAM:** Unable to find upstream device for %s

**Severity:** Error

**Explanation:** Possible hardware removal.

**Recommended Action:** No action required – this message is for information only

**PCIE\_SWITCH\_NTD\_FAIL:** Translation register programming failed %s

**Severity:** Error

**Explanation:** Software detected a problem setting up a card.

**Recommended Action:** Please contact your support representative for assistance

**PHYTN\_LOADING\_FIRMWARE:** Loading PHY firmware on interface %s. Link on this interface will briefly go down.

**Severity:** Notice

**Explanation:** The firmware on the specified PHY is being reprogrammed.

**Recommended Action:** No action is required – this message is for information only.

**PICASSO\_MEM\_ALLOC\_FAILED:** Picasso memory allocation failed

**Severity:** Warning

**Explanation:** Picasso failed to allocate memory for sso. Picasso will disable sso feature

**Recommended Action:** No action is required – this message is for information only.

**PLXEEPROM\_UPGRADED:** Successfully upgraded PLX EEPROM to version in EOS image

**Severity:** Info

**Explanation:** Device was successfully upgraded.

**Recommended Action:** No action is required – this message is for information only.

**POWERCONTROLLER\_BAD\_OUTPUT\_VOLTAGE:** The power controller on %s detected a bad output voltage of %f on rail %s.

**Severity:** Error

**Explanation:** Software detected that the power controller is not supplying the correct voltage on one or more of its rails.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWERCONTROLLER\_BAD\_STATUS:** The %s power controller reports a status that indicates an error (status is %x)

**Severity:** Warning

**Explanation:** Software detected that there is a power controller problem. By itself this message does not indicate a problem, but will help diagnose a more serious power controller issue.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWERCONTROLLER\_COMMUNICATION\_ERROR:** Communication error with the power controller on %s (%s).

**Severity:** Error

**Explanation:** An error occurred while giving commands over SMBus to a power controller.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_DATA\_INVALID:** Power supply %d returned unexpected status information multiple times.

**Severity:** Warning

**Explanation:** Status information from the power supply is currently unreliable. The power supply might no longer provide power to the system.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_DATA\_OK:** Power supply %d is returning expected status information.

**Severity:** Warning

**Explanation:** Status information from the power supply is reliable again.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_FAILED:** Power supply %d has failed (%s).

**Severity:** Error

**Explanation:** The power supply has failed and is no longer providing power to the system.

**Recommended Action:** Replace the power supply.

**POWER\_SUPPLY\_FAN\_FAILURE\_WARNING:** Power supply %d fan failure predicted.

**Severity:** Warning

**Explanation:** The power supply has detected that one of its fans is likely to fail. The power supply will shut down once the fan fails.

**Recommended Action:** Replace the power supply when possible. Make sure that a redundant power supply is inserted and operating properly.

**POWER\_SUPPLY\_INPUT\_OVERCURRENT\_WARNING:** Power supply %d input overcurrent detected (latest reading %dA).

**Severity:** Warning

**Explanation:** The power supply detected a lower input voltage than expected. If the problem persists the power supply will shut down.

**Recommended Action:** Check the input power to the power supply.

**POWER\_SUPPLY\_INPUT\_OVERPOWER\_WARNING:** Power supply %d input overpower detected (latest reading %dW).

**Severity:** Warning

**Explanation:** The power supply has flagged an output overpower warning. If the problem persists the power supply will shut down.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_INPUT\_OVERVOLTAGE\_WARNING:** Power supply %d input overvoltage detected (latest reading %dV).

**Severity:** Warning

**Explanation:** The power supply has flagged an input overvoltage warning. If the problem persists the power supply will shut down.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_INPUT\_UNDERVOLTAGE\_WARNING:** Power supply %d input undervoltage detected (latest reading %dV).

**Severity:** Warning

**Explanation:** The power supply has flagged an input undervoltage warning. If the problem persists the power supply will shut down.

**Recommended Action:** Check the input power to the power supply.

**POWER\_SUPPLY\_OK:** Power supply %d has recovered.

**Severity:** Error

**Explanation:** The power supply had previously failed but is now ok.

**Recommended Action:** While the power supply has recovered for now, it should still be replaced soon as possible.

**POWER\_SUPPLY\_OUTPUT\_CURRENT\_FAILURE:** Power supply %d has failed because output current (%dA) dropped below the minimum allowed value (%dA).

**Severity:** Error

**Explanation:** The power supply has failed and might no longer provide power to the system.

**Recommended Action:** Replace the power supply.

**POWER\_SUPPLY\_OUTPUT\_CURRENT\_OK:** Power supply %d has recovered from being declared as failed because of the output current (%dA) being below the minimum allowed value (%dA).

**Severity:** Error

**Explanation:** The power supply had previously failed but is now ok.

**Recommended Action:** While the power supply has recovered for now, it should still be replaced as soon as possible.

**POWER\_SUPPLY\_OUTPUT\_OVERCURRENT\_WARNING:** Power supply %d output overcurrent detected (latest reading %dA).

**Severity:** Warning

**Explanation:** The power supply detected that it was providing a larger output current than expected. This can happen if the system is drawing more power than the power supply can provide. If the problem persists the power supply will shut down.

**Recommended Action:** Check that the power supply can provide enough power to meet the system's requirements. If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_OUTPUT\_OVERPOWER\_WARNING:** Power supply %d output overpower detected (latest reading %dW).

**Severity:** Warning

**Explanation:** The power supply has flagged an output overpower warning. If the problem persists the power supply will shut down.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_OUTPUT\_OVERTVOLTAGE\_WARNING:** Power supply %d output overvoltage detected (latest reading %dV).

**Severity:** Warning

**Explanation:** The power supply has flagged an output overvoltage warning. If the problem persists the power supply will shut down.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_OUTPUT\_UNDERCURRENT\_FAILURE:** Power supply %d has failed because the reported output current (%sA) is outside the valid range. Overall system load is %sA.

**Severity:** Error

**Explanation:** The power supply has failed and is no longer providing power to the system.

**Recommended Action:** Replace the power supply.

**POWER\_SUPPLY\_OUTPUT\_UNDERVOLTAGE\_WARNING:** Power supply %d output undervoltage detected (latest reading %dV).

**Severity:** Warning

**Explanation:** The power supply has flagged an output undervoltage warning. If the problem persists the power supply will shut down.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_SUPPLY\_OVERHEAT\_WARNING:** Power supply %d is overheating (%s)

**Severity:** Warning

**Explanation:** The power supply is overheating. If the problem persists the power supply will shut down.

**Recommended Action:** Check that the power supply's air intake and outlet vents are not blocked. Check that the switch is operating within the recommended ambient temperature range. If the problem persists, contact your support representative. Otherwise, no action is required.

**REG\_ACCESS\_FAILED:** Cannot read %s (%s) registers.

**Severity:** Error

**Explanation:** Failed to read a chip's registers. This means either the chip is faulty, or PciE access has failed.

**Recommended Action:** Reset the linecard

**RETIMER\_COMM\_ERROR:** Smbus access to retimer %s has failed

**Severity:** Error

**Explanation:** Software detected a problem communicating to a retimer in the system

**Recommended Action:** If this problem persists, please contact your support representative for assistance.

**SMBUS\_ERROR:** Card %s mux poll failed %d times before reappearing

**Severity:** Error

**Explanation:** Software detected a problem communicating to a smbus device

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**STANDBYCPLD\_COMMUNICATION\_ERROR:** Communication error with the standby domain CPLD %s.

**Severity:** Error

**Explanation:** An error occurred while giving commands over SMBus to a standby domain CPLD.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SUPERVISOR\_IDENTIFICATION\_FAILED:** Failed to identify the slot id of the supervisor

**Severity:** Emergency

**Explanation:** Hardware returned inconsistent results when determining the slot id of the supervisor from hardware. System functionality may be severely limited.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SUPERVISOR\_PCIE\_LINK\_ERROR:** The Pcie link to the CPU has failed

**Severity:** Emergency

**Explanation:** Software detected a link failure between the CPU and one of its two Pcie switches, this will prevent the system operating correctly

**Recommended Action:** Reboot the switch to try to recover the failure and contact your support representative for assistance.

**SUPERVISOR\_PCIE\_SWITCHOVER:** %s is being switched over to the standby supervisor

**Severity:** Info

**Explanation:** Software detected a change in the active supervisor, hardware control is being transferred to the this supervisor

**Recommended Action:** No action required.

**SUPERVISOR\_PCIE\_SWITCHOVER\_FAILURE:** Unable to switch %s over to the standby supervisor

**Severity:** Error

**Explanation:** Software detected a change in the active supervisor, but was unable to switch this card over to the standby supervisor

**Recommended Action:** If this problem persists, please contact your support representative for assistance.

**SUPERVISOR\_PCIE\_SWITCH\_BUS\_ERROR:** Unable to switch %s over to the standby supervisor

**Severity:** Error

**Explanation:** Possible hardware removal.

**Recommended Action:** No action required – this message if for information only

**SUPERVISOR\_PCIE\_SWITCH\_CONFIG\_ERROR:** The Pcie switch %s port %s is misconfigured, one or more cards will fail to operate

**Severity:** Emergency

**Explanation:** Software detected a configuration error in the Pcie switch, this will prevent the system operating correctly

**Recommended Action:** Reboot the switch to try to recover the failure and contact your support representative for assistance.

**SYSTEM.ABOUT\_IDENTIFICATION\_FAILED:** Failed to identify the about version on this system

**Severity:** Warning

**Explanation:** The about version could not be identified on this system. If the about version is not compatible with the boot image, the system may not behave reliably.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SYSTEM.ABOUT\_INCOMPATIBLE:** About version %s found on this system, version number %s is required

**Severity:** Emergency

**Explanation:** The About version on this system is not compatible with the current boot image. The system will be unusable.

**Recommended Action:** Please upgrade the About version or downgrade the boot image configured on this system.

**SYSTEM\_IDENTIFICATION\_FAILED:** Failed to identify this system

**Severity:** Emergency

**Explanation:** A fatal error occurred while attempting to identify this system. This may be a hardware or software failure. Upgrading software to a newer release may be required. System functionality will be severely limited.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SYSTEM\_IDENTIFICATION\_FALLBACK:** Unable to identify system details. Falling back to system description programmed into hardware.

**Severity:** Info

**Explanation:** The detailed hardware description is unknown in this software version. The description programmed into the hardware is being used.

**Recommended Action:** No action is required – this message is for information only.

**VRMFAILURE:** Fatal hardware error of VRM %s

**Severity:** Emergency

**Explanation:** The given VRM can no longer be accessed. Functionality of the containing fru may be severely limited.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem is solved.

**VRMFATALERROR:** Fatal power error detected by VRM %s

**Severity:** Emergency

**Explanation:** The VRM detected a fatal power error. Functionality of the containing fru will be severely limited.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem is resolved.

**WATCHDOG\_ERROR:** Reboot due to system watchdog

**Severity:** Warning

**Explanation:** The system rebooted due to a watchdog timeout.

**Recommended Action:** Harmless if seen infrequently, but may indicate a serious hardware or software problem if seen often.

**ZPGA\_CONFIG\_ERROR:** MbConfig failed to program microblaze %s

**Severity:** Error

**Explanation:** Software detected a problem while configuring the system

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.21 IGMP Snooping Messages

**GROUP\_LIMIT\_EXCEEDED:** IGMP group limit of %d groups exceeded in VLAN %d

**Severity:** Warning

**Explanation:** The switch detected that the number of IGMP groups joined by hosts in the specified VLAN exceeds the configured number allowed for this VLAN.

**Recommended Action:** Increase the max-groups limit for the VLAN or configure the hosts in the VLAN to join fewer groups.

**GROUP\_LIMIT\_NO\_LONGER\_EXCEEDED:** IGMP group limit of %d groups no longer exceeded in VLAN %d

**Severity:** Warning

**Explanation:** The switch detected that the number of IGMP groups joined by hosts in the specified VLAN no longer exceeds the VLAN's configured max-groups limit.

**Recommended Action:** No action is required – this message is for information only.

**GROUP\_LIMIT\_NO\_LONGER\_EXCEEDED\_NO\_LIMIT:** IGMP group limit no longer exceeded in VLAN %d

**Severity:** Warning

**Explanation:** The switch detected that the number of IGMP groups joined by hosts in the specified VLAN no longer exceeds the VLAN's previously configured max-groups limit. Currently no limit is configured.

**Recommended Action:** No action is required – this message is for information only.

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all IgmpSnooping groups%s.

**Severity:** Error

**Explanation:** The switch is unable to program all IgmpSnooping groups because the IgmpSnooping groups exceed the available hardware resources.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the number of IgmpSnooping groups. When the number of groups reduces, the switch automatically programs any unprogrammed groups in hardware.

**HW\_RESOURCE\_NORMAL:** All multicast routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the IgmpSnooping groups in hardware and normal hardware routing has resumed.

**Recommended Action:** No action is required – this message is for information only.

**NOT\_EXPECT\_ROUTER:** Router detected in VLAN %d

**Severity:** Warning

**Explanation:** The switch report-flooding feature is designed for pure L2 environment

**Recommended Action:** Please correct network configuration

**NO\_IGMP\_QUERIER:** No IGMP querier detected in VLAN %d. IGMP report received from %d on %d for %d

**Severity:** Info

**Explanation:** The switch did not detect an IGMP querier running in the specified VLAN. This will cause multicast traffic to be flooded to all members of the VLAN.

**Recommended Action:** Configure an IGMP querier for the specified VLAN.

**QUERY\_VERSION\_CONFIGURED\_DISCREPANCY:** IGMP version %d query heard on vlan %d by a querier configured to version %d.

**Severity:** Warning

**Explanation:** The switch detected an IGMP query message of a different version than the version that is currently configured.

**Recommended Action:** Configure all queriers on the network to use the same querier version

## 2.22 INTF Messages

**MAX\_MTU\_EXCEEDED:** Configured mtu (%d) exceeds the maximum mtu (%d) for interface %s

**Severity:** Warning

**Explanation:** This interface was configured with an mtu value that exceeds the maximum mtu supported for this type of interface

**Recommended Action:** Change the interface configuration to be consistent with the maximum supported mtu for this interface type.

**SNMP\_UNSUPPORTED:** Interface %s is not supported by the Snmp agent

**Severity:** Error

**Explanation:** The software component that provides this type of interface does not properly support the Snmp agent, so counters and other information for this interface will not be available via SNMP.

**Recommended Action:** Contact your support representative.



## 2.23 IP6ROUTING Messages

**ECMP\_ROUTE\_MAX\_PATHS\_EXCEEDED:** ECMP route %a has exceeded number of allowed paths.

**Severity:** Info

**Explanation:** An ecmp route has more paths than allowed by the Resilient Ecmp Feature. The extra paths will not be programmed in hardware.

**Recommended Action:** No action is required – this message is for information only.

**ECMP\_ROUTE\_PATH\_NOT\_PROGRAMMED:** Path %a not programmed for ECMP route %a

**Severity:** Info

**Explanation:** Path exceeds number of allowed paths in a resilient ecmp route. Path will not be programmed in hardware.

**Recommended Action:** No action is required – this message is for information only.

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all routes

**Severity:** Error

**Explanation:** The switch is unable to program all routes due to insufficient hardware resources. When the switch is unable to program routes due to insufficient hardware resources, it may drop certain packets in order to avoid potential routing loops in the network. The switch encountered this issue because the routing table exceeds the available hardware resources.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the size of the routing table. When the routing table size reduces, the switch automatically programs any unprogrammed routes in hardware.

**HW\_RESOURCE\_NORMAL:** All routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the routes in the routing table, in hardware and normal hardware routing has resumed.

**Recommended Action:** No action is required – this message is for information only.

**MAX\_PATHS\_EXCEEDED:** Number of paths (%d) for route %s more than supported value (%d)

**Severity:** Error

**Explanation:** The system is trying to allocate an ecmp route with more paths than the maximum allowed by the hardware. The route cannot be allocated.

**Recommended Action:** No action is required – this message is for information only.

## 2.24 LACP Messages

**ACTOR\_CHURN:** LACP Actor Churn Detected on %s

**Severity:** Warning

**Explanation:** LACP could not come to a decision on an aggregate

**Recommended Action:** Investigate the LACP configuration on this system and its peer. Ensure that all ports in the aggregate are connected to the same remote system, and are all configured to be in the aggregate on the remote system.

**FALLBACK\_ACTIVE:** Activating one member of interface %s without successful LACP negotiation.

**Severity:** Notice

**Explanation:** The LACP fallback timer expired on a port-channel interface because no LACP messages were received on any of its member interfaces. One member of the interface is being made active within the port-channel.

**Recommended Action:** No action is required – this message is for information only.

**FALLBACK\_INACTIVE:** Reverting to normal LACP negotiation on interface %s.

**Severity:** Notice

**Explanation:** An LACP message was received on a member interface of a port-channel after LACP fallback mode became active. When this happens, LACP fallback mode is deactivated and normal LACP negotiation is resumed.

**Recommended Action:** No action is required – this message is for information only.

**PARTNER\_CHURN:** LACP Partner Churn Detected on %s

**Severity:** Warning

**Explanation:** LACP could not come to a decision on an aggregate

**Recommended Action:** Investigate the LACP configuration on this system and its peer. Ensure that all ports in the aggregate are connected to the same remote system, and are all configured to be in the aggregate on the remote system. If not associated with simultaneous actor churn, check if the remote system has aggregation limits that prevent this port from joining the aggregate.

**RXDOT1QPKT:** An 802.1Q tagged LACP packet was received and discarded on interface %s.

**Severity:** Warning

**Explanation:** The switch received an 802.1Q tagged LACP packet. Arista Networks switches drop these packets without further processing, so the protocol may not function properly on the receiving interface. To fix this problem, reconfigure the sending switch to transmit its LACP packets untagged.

**Recommended Action:** The switch received and discarded an 802.1Q tagged LACP packet. LACP will not function properly on the receiving interface. To fix this problem, reconfigure the sending switch to transmit its LACP packets untagged.

## 2.25 LAG Messages

**MEMBER\_HW\_LIMIT\_EXCEEDED:** Interface %s can not be added to %s in hardware; it already contains the maximum number of members (%d).

**Severity:** Error

**Explanation:** Port-channel group member limit exceeded.

**Recommended Action:** Please remove this member from the port-channel group.

**MEMBER\_NO\_HW\_ID:** Interface %s, which is being removed from %s, does not have a valid hardware ID. This may not be a problem if the interface was previously ignored due to membership overflow.

**Severity:** Warning

**Explanation:** Port-channel member missing hardware ID.

**Recommended Action:** No action is required – this message is for information only.

## 2.26 LAUNCHER Messages

**AGENTNAME\_REPEATED:** Agent(s) '%s' in role '%s' on cell '%s' is already configured in another role played by this cell (one of %s).

**Severity:** Error

**Explanation:** The agent name(s) configured in the given role on the given cell was already used in another role played by this cell. This might occur temporarily during reconfiguration or software updates, but should not persist.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**PROCESS\_MISCONFIG:** Internal error: process '%s' in role '%s' is misconfigured and can not be started. This is a bug! Reason: %s

**Severity:** Error

**Explanation:** The named process is misconfigured, and can not be started. The feature it implements can not be enabled. The system is at least partially broken. This is probably due to a bug.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**PROCESS\_RESTART:** Configuring process '%s' to restart in role '%s'

**Severity:** Info

**Explanation:** Launcher is configuring process '%s' to be restarted by ProcMgr due to a changed process configuration.

**Recommended Action:** No action is required – this message is for information only.

**PROCESS\_START:** Configuring process '%s' to start in role '%s'

**Severity:** Info

**Explanation:** Launcher is configuring process '%s' to be started by ProcMgr

**Recommended Action:** No action is required – this message is for information only.

**PROCESS\_STOP:** Configuring process '%s' to stop in role '%s'

**Severity:** Info

**Explanation:** Launcher is configuring process '%s' to be stopped by ProcMgr

**Recommended Action:** No action is required – this message is for information only.

**PROC\_MGR\_WARMSTART:** Initiating warm start of 'ProcMgr (worker)'

**Severity:** Info

**Explanation:** Launcher is initiating a ProcMgr worker warm start in order to get ProcMgr to start newly-configured agents, or to stop de-configured agents. This message should have been preceded by at least one message regarding process start, restart, or stop.

**Recommended Action:** No action is required – this message is for information only.

## 2.27 LINEPROTO Messages

**TRANSIENT\_DOWN:** Line protocol on Interface %s briefly went down %d times since last logged

**Severity:** Notice

**Explanation:** The link-layer connection on the given interface went down very briefly. This is a symptom of an unreliable physical connection. Check the physical connection (e.g., cable) between the devices.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**UPDOWN:** Line protocol on Interface %s, changed state to %s

**Severity:** Notice

**Explanation:** The link-layer connection on the given interface has come up or down. If it is not up, then communication with our link partner is not possible.

**Recommended Action:** If the connection has gone down unexpectedly, check the physical connection (e.g., cable) between the devices and the configuration of the link on both ends.

## 2.28 LLDP Messages

**NEIGHBOR\_GONE:** Received a shutdown frame from LLDP neighbor with chassisId %s and portId %s on interface %s

**Severity:** Notice

**Explanation:** An LLDP neighbor was deleted from the neighbor table since an LLDPDU with a TTL of 0 was received from that neighbor.

**Recommended Action:** No action is required – this message is for information only.

**NEIGHBOR\_NEW:** LLDP neighbor with chassisId %s and portId %s added on interface %s

**Severity:** Notice

**Explanation:** A new LLDP neighbor was added to the neighbor table.

**Recommended Action:** No action is required – this message is for information only.

**NEIGHBOR\_TIMEOUT:** LLDP neighbor with chassisId %s and portId %s timed out on interface %s

**Severity:** Notice

**Explanation:** An LLDP neighbor was deleted from the neighbor table since it timed out.

**Recommended Action:** No action is required – this message is for information only.

**REMOTE\_TABLES\_CLEARED:** LLDP neighbor table cleared by %s on %s

**Severity:** Notice

**Explanation:** The LLDP neighbor table was cleared by a CLI command.

**Recommended Action:** No action is required – this message is for information only.

**RX\_RATELIMIT:** Exceeded Rx LLDPDU rate limit on %s (more than %d LLDPDUs in %f seconds)

**Severity:** Warning

**Explanation:** The switch received too many LLDPDUs on a port in too short a period of time, so we dropped the most recent received LLDPDU.

**Recommended Action:** This could indicate a mis-configured neighbor, or a network loop. Check the configuration of the neighbor connected to the interface and configure the LLDPDUs to be sent at a reasonable rate and ensure there are no network loops.

## 2.29 LOGMGR Messages

**CONSOLE\_LOGGING\_ERROR:** An error occurred initializing console logging

**Severity:** Warning

**Explanation:** Console logging may not function properly because an error occurred while setting access permissions.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SOURCE\_INTERFACE\_ERROR:** Source-Interface spoofing requested with TCP.

**Severity:** Info

**Explanation:** Logging may not function as expected because source-interface spoofing was requested with the TCP protocol. Please choose either UDP with source-interface spoofing or TCP without source-interface spoofing.

**Recommended Action:** Check the configuration and correct the error.

**TIMESTAMP\_FORMAT\_ERROR:** Unknown timestamp format '%s' was specified

**Severity:** Error

**Explanation:** Logging may not function as expected because an unknown timestamp format was requested. A defaulttimestamp format will be used instead

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.30 MDIO Messages

**AGENT\_OUTSTANDING\_TXN\_NOTICE:** The Mdio Agent has found unfinished transactions at startup even after waiting for %d seconds.

**Severity:** Notice

**Explanation:** The Mdio Accelerator HW is going to be reset which may cause Phy devices to be eventually reset due to unfinished transactions

**Recommended Action:** No action is required – this message is for information only.



## 2.31 MIRRORING Messages

**NOSESSIONGROUPS:** Insufficient hardware resources to allocate mirror session %s. The current limit on the number of mirror sessions is %d.

**Severity:** Warning

**Explanation:** It is not possible to program the mirror session in hardware due to lack of hardware resources.

**Recommended Action:** Use fewer mirror sessions.

**SESSION\_LIMIT\_EXCEEDED:** Monitor session %s is inactive, because it exceeds the maximum number of supported monitor sessions %d

**Severity:** Warning

**Explanation:** When the maximum number of supported monitor sessions is exceeded, newly created monitor sessions are not programmed into hardware.

**Recommended Action:** Reduce the number of configured monitor sessions.

**TIMESTAMP\_WITH\_TRUNCATE\_NOTSUPPORTED:** Timestamping on interface %s( %s ) does not work with truncation configured on mirror session %s.

**Severity:** Warning

**Explanation:** The truncation of the mirrored packet will cause the timestamp to be lost.

**Recommended Action:** Disable truncation on mirror session.

## 2.32 MLAG Messages

**INTF\_ACTIVE:** Local interface %s and peer interface %s are link up. MLAG %s is active.

**Severity:** Info

**Explanation:** Both local and peer interfaces assigned to an MLAG are link up.

**Recommended Action:** No action is required – this message is for information only.

**INTF\_ESTABLISHED:** Interface %s is in MLAG %s with peer interface %s.

**Severity:** Info

**Explanation:** Both peers added an enabled local interface to the same MLAG.

**Recommended Action:** No action is required – this message is for information only.

**INTF\_INACTIVE\_LOCAL:** Local interface %s is link down. MLAG %s is inactive.

**Severity:** Warning

**Explanation:** The local interface that is assigned to an MLAG is link down. The peer must handle all of the traffic on that link until the MLAG is active.

**Recommended Action:** Ensure that the local interface comes up.

**INTF\_INACTIVE\_PEER:** Interface %s is link down on the MLAG peer. MLAG %s is inactive.

**Severity:** Warning

**Explanation:** The peer interface that is assigned to an MLAG is down. This chassis must handle all of the traffic on the link until the MLAG is active.

**Recommended Action:** Ensure that the peer interface comes up.

**INTF\_INACTIVE\_PEER\_LINK\_DOWN:** The MLAG peer is down. MLAG %s became inactive.

**Severity:** Warning

**Explanation:** This chassis must handle all of the traffic on the link until the MLAG peer is up.

**Recommended Action:** Ensure that the MLAG peer resumes operation.

**INTF\_UNESTABLISHED:** Interface %s is no longer in MLAG %s.

**Severity:** Info

**Explanation:** A local interface is no longer part of an MLAG. Either it or its counterpart on the peer was either disabled or removed from the MLAG.

**Recommended Action:** No action is required – this message is for information only.

**PEER\_EVENT\_CONNECTION\_CLOSED:** The TCP session with the MLAG peer was closed.

**Severity:** Warning

**Explanation:** The TCP connection between the MLAG peers was broken.

**Recommended Action:** Wait until MLAG reconnects with the peer or enters the inactive state.

**PEER\_EVENT\_HEARTBEAT\_TIMEOUT:** MLAG stopped receiving heartbeats from the peer.

**Severity:** Warning

**Explanation:** The TCP connection between the peers is intact, but no heartbeat was received from the peer during the expected duration.

**Recommended Action:** Wait until MLAG reconnects with the peer or enters the inactive state.

**PEER\_EVENT\_RECONNECT:** The connection with MLAG peer %s was reestablished. MLAG state remains %s.

**Severity:** Warning

**Explanation:** MLAG successfully renegotiated with its peer.

**Recommended Action:** None

**PEER\_EVENT\_STP\_STABLE\_TIMEOUT:** MLAG did not receive an STP stability response from the peer %s

**Severity:** Warning

**Explanation:** An STP stability request was sent to the peer but no response was received during the expected duration.

**Recommended Action:** Check the health of both Mlag agents. Test and troubleshoot IP connectivity (e.g., ping the configured MLAG peer-address).

**RELOAD\_DELAY\_ENDING:** Mlag reload-delay period %s will end in %s seconds

**Severity:** Info

**Explanation:** Non peer-link interfaces will be enabled once reload-delay period is over

**Recommended Action:** No action is required – this message is for information only.

**STATE\_INACTIVE\_CONNECTION\_CLOSED:** MLAG is inactive with peer %s because the TCP session was closed

**Severity:** Error

**Explanation:** The TCP connection between the MLAG processes was broken.

**Recommended Action:** Check the health of both Mlag agents. Test and troubleshoot IP connectivity (e.g., ping the configured MLAG peer-address).

**STATE\_INACTIVE\_HEARTBEAT\_TIMEOUT:** MLAG is inactive with peer %s because it stopped receiving heartbeats from the peer

**Severity:** Error

**Explanation:** The TCP connection between the peers is intact, but no heartbeat was received from the peer during the expected duration.

**Recommended Action:** Check the health of both Mlag agents. Test and troubleshoot IP connectivity (e.g., ping the configured MLAG peer-address).

**STATE\_INACTIVE\_LOCAL\_CONFIG:** MLAG is inactive with peer %s because the MLAG configuration changed

**Severity:** Info

**Explanation:** The MLAG configuration changed, causing the peer relationship to end.

**Recommended Action:** No action is required – this message is for information only.

**STATE\_INACTIVE\_LOCAL\_INTERFACE\_DOWN:** MLAG is inactive because the local interface (%s) is down.

**Severity:** Error

**Explanation:** The configured local VLAN interface is down. The MLAG process is unable to accept connections from its peer.

**Recommended Action:** Bring up the local interface

**STATE\_INACTIVE\_PEER\_CONFIG:** MLAG is inactive with peer %s because the peer's MLAG configuration changed

**Severity:** Info

**Explanation:** The MLAG configuration of the peer changed, causing the peer relationship to end.

**Recommended Action:** No action is required – this message is for information only.

**STATE\_PRIMARY:** MLAG is active as primary with peer %s and peer link %s

**Severity:** Info

**Explanation:** MLAG protocol negotiation is complete, with this chassis assuming the primary role.

**Recommended Action:** No action is required – this message is for information only.

**STATE\_PRIMARY\_PEER\_LINK\_DOWN:** MLAG failed over to (or remained at) the primary state because the peer link (%s) connected to peer %s is down

**Severity:** Warning

**Explanation:** The configured peer link is down; MLAG assumed the peer is dead and is now primary.

**Recommended Action:** Check on the health of the other MLAG chassis

**STATE\_PRIMARY\_PEER\_LINK\_UP:** MLAG connection restored with peer %s after the peer link (%s) came back up. MLAG will retain the primary role

**Severity:** Warning

**Explanation:** The configured peer link is up; MLAG renegotiated with the peer and will remain primary.

**Recommended Action:** No action is required – this message is for information only.

**STATE\_SECONDARY:** MLAG is active as secondary with peer %s and peer link %s

**Severity:** Info

**Explanation:** MLAG protocol negotiation is complete, with this chassis assuming the secondary role.

**Recommended Action:** No action is required – this message is for information only.

**STATE\_VERSION\_INCOMPATIBLE:** MLAG will not negotiate with peer %s due to a version incompatibility

**Severity:** Error

**Explanation:** The current software image is incompatible with the peer's software image. MLAG protocol negotiation will be unsuccessful.

**Recommended Action:** Load a compatible software image on one of the peers. Refer to the release notes for the list of compatible images.

**TCAM\_HW\_RESOURCE\_FULL:** Egress TCAM resources are insufficient to program MLAG peer link %s

**Severity:** Error

**Explanation:** The switch is unable to program MLAG peer link configuration due to insufficient Egress TCAM resources.

**Recommended Action:** Reconfigure your Egress ACLs to free up some resources for MLAG.

**TCAM\_HW\_RESOURCE\_RECOVERED:** MLAG peer link %s is programmed.

**Severity:** Error

**Explanation:** The switch was able to apply MLAG peer link configuration in Egress TCAM.

**Recommended Action:** No action is required – this message is for information only.

## 2.33 MROUTE Messages

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all multicast routes%s.

**Severity:** Error

**Explanation:** The switch is unable to program all multicast routes because the multicast routing table exceeds available hardware resources

**Recommended Action:** To solve this issue, reconfigure the network to reduce the size of the multicast routing table. When the routing table size reduces, the switch automatically programs any unprogrammed multicast routes in hardware.

**HW\_RESOURCE\_NORMAL:** All multicast routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the multicast routes in hardware and normal hardware routing has resumed.

**Recommended Action:** No action is required – this message is for information only.

**NOT\_IN\_HW:** Multicast route(%s, %s, %s) in FIB, but not found in hardware.

**Severity:** Debug

**Explanation:** Multicast route present in software but was not programmed in hardware. Activity information for this route cannot be updated, Route will age out from software after 210(default) seconds.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.34 MSDP Messages

**GROUP\_LIMIT:** SA from peer %a, RP %a for (%a, %a) exceeded group-limit of %d for source prefix %s

**Severity:** Warning

**Explanation:** Due to group-limit configuration, a received SA was rejected i.e. not stored in the SA cache.

**Recommended Action:** No action is required – this message is for information only.

**MAX\_SA\_CACHE\_SIZE:** SA from peer %a, RP %a for (%a, %a) exceeded limit %d on max size of SA cache

**Severity:** Warning

**Explanation:** Due to limits on the total size of the SA cache, a received SA was rejected i.e. not stored in the cache.

**Recommended Action:** Deconfiguring a peer will cause that peer's SAs to age out of the cache, making room for more SAs.

**NO\_RPF\_PEER:** MSDP RPF Peer for Pim RP %a does not exist.

**Severity:** Warning

**Explanation:** MSDP is unable to find a RPF Peer for the Pim RP using MSDP RFC's rules.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**PEER\_CONNECTED:** MSDP connection with peer %a is up.

**Severity:** Info

**Explanation:** MSDP peering with the peer is successful, the peers will now exchange multicast sources.

**Recommended Action:** No action is required – this message is for information only.

**PEER\_DISCONNECTED:** MSDP connection with peer %a is down.

**Severity:** Info

**Explanation:** MSDP peering with the peer is unsuccessful, the peers will not exchange multicast sources.

**Recommended Action:** No action is required – this message is for information only.

**PEER\_SETUP\_ERROR:** %s while trying to set up MSDP connection with peer %a.

**Severity:** Warning

**Explanation:** A socket error occurred while attempting to connect with this peer.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SA\_LIMIT:** SA from peer %a, RP %a for (%a, %a) exceeded sa-limit of %d

**Severity:** Warning

**Explanation:** Due to sa-limit configuration, a received SA was rejected i.e. not stored in the SA cache.

**Recommended Action:** No action is required – this message is for information only.

**SETUP\_ERROR:** Error '%s' occurred while trying to set up socket to listen for connections from MSDP peers.

**Severity:** Warning

**Explanation:** A socket error occurred while attempting to start listening for MSDP peers. The Msdp agent will restart in order to recover from this error.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**UNKNOWN\_PACKET\_TYPE:** An unknown MSDP packet ( type: %d ) received and discarded.

**Severity:** Warning

**Explanation:** A MSDP packet type that is not handled by the implementation was received.

**Recommended Action:** No action is required – this message is for information only.

## 2.35 NAT Messages

**ACL\_FILTER\_INVALID\_ACTION:** NAT ACL %s configured on interface %s has invalid action (%s)

**Severity:** Error

**Explanation:** The switch is unable to program this NAT rule.

**Recommended Action:** Reconfigure your ACL to use permit action.

**ACL\_FILTER\_INVALID\_DESTINATION\_ADDRESS:** NAT ACL %s configured on interface %s has invalid destination address match (%s)

**Severity:** Error

**Explanation:** The switch is unable to program this NAT rule.

**Recommended Action:** Reconfigure your ACL to remove the destination address match.

**ACL\_FILTER\_INVALID\_PROTOCOL:** NAT ACL %s configured on interface %s has protocol match

**Severity:** Error

**Explanation:** The switch is unable to program this NAT rule.

**Recommended Action:** Reconfigure your ACL to remove the protocol match.

**ACL\_FILTER\_INVALID\_SOURCE\_ADDRESS:** NAT ACL %s configured on interface %s has invalid source address match (%s)

**Severity:** Error

**Explanation:** The switch is unable to program this NAT rule.

**Recommended Action:** Reconfigure your ACL to remove the source address match.

**HW\_RESOURCE\_CONFLICT:** IP NAT hardware resources are already in use for Vxlan.

**Severity:** Error

**Explanation:** The switch encountered resource conflict between IP NAT and Vxlan features. It will not be able to support both Vxlan and IP NAT at the same time.

**Recommended Action:** To solve this issue, remove both IP NAT and Vxlan on the switch and reconfigure only IP NAT. Please contact your technical support representative if you need additional assistance.

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all NAT rules

**Severity:** Error

**Explanation:** The switch is unable to program all NAT rules due to insufficient hardware resources.

**Recommended Action:** Reconfigure your NAT rules to reduce the size and/or complexity of the NAT rules.

## 2.36 NTP Messages

**IP\_ADDRESSES\_OVER\_LIMIT:** The system has exceeded the number of IP addresses supported by NTP (%d).

**Severity:** Error

**Explanation:** NTP can only support a limited number of IPv4 and IPv6 addresses. Once that limit is exceeded, NTP is disabled.

**Recommended Action:** Configure the clock manually or remove sufficient IP addresses from the system configuration.

**IP\_ADDRESSES\_UNDER\_LIMIT:** The system is back below the number of IP addresses supported by NTP (%d).

**Severity:** Notice

**Explanation:** The number of IPv4 and IPv6 addresses in the system has decreased below the upper limit supported by NTP. NTP has been re-enabled.

**Recommended Action:** No action is required – this message is for information only.



## 2.37 OSPF Messages

**STATE\_CHANGE:** NGB %a change from ;%s<sub>i</sub> to ;%s<sub>i</sub>

**Severity:** Warning

**Explanation:** A neighbor's OSPF state has changed.

**Recommended Action:** Usually, no action is required. This information can be useful for troubleshooting OSPF if the switch is not properly maintaining adjacency with one or more neighbors.

## 2.38 OSPF3 Messages

**STATE\_CHANGE:** Neighbor state change for ;%a; on ;%s;: ;%s; to ;%s;

**Severity:** Warning

**Explanation:** A neighbor's OSPF3 state has changed.

**Recommended Action:** Usually, no action is required. This information can be useful for troubleshooting OSPF if the switch is not properly maintaining adjacency with one or more neighbors.

## 2.39 PORTSECURITY Messages

**PSECURE\_VIOLATION:** Security violation occurred, caused by MAC address %s on vlan %d interface %s.

**Severity:** Critical

**Explanation:** The switch detected a violation of the MAC address table restrictions configured through the port-security facility.

**Recommended Action:** Review your network configuration and monitor the affected interface for unexpected MAC addresses.

**PSECURE\_VIOLATION\_CLEARED:** Security violation previously reported on interface %s has cleared.

**Severity:** Notice

**Explanation:** The switch detected that a prior violation of the MAC address table restrictions configured through the port-security facility has been lifted, as the interface is now in compliance with port-security requirements.

**Recommended Action:** No action is required – this message is for information only.

## 2.40 PROCMGR Messages

**CFGOPTION\_UNKNOWN:** Fatal error: unknown ProcMgr config option in '%s': (%s=%s)

**Severity:** Emergency

**Explanation:** The specified config file contains an unknown config option. The unknown option is listed.

**Recommended Action:** Confirm that the packages containing ProcMgr is correctly installed. Plan to not be able to use this system until the problem is fixed.

**CONFIG\_NOTFOUND:** Fatal error: cfg file '%s' not found!

**Severity:** Emergency

**Explanation:** The system is unusable, because the ProcMgr configuration file does not exist.

**Recommended Action:** This is a serious error. Confirm that the package containing ProcMgr is correctly installed. Plan not to be able to use this system until the problem is fixed.

**CONFIG\_UNPARSEABLE:** Fatal error: parse error while parsing cfg file '%s': %s.

**Severity:** Emergency

**Explanation:** The system is unusable, because the ProcMgr config file could not be parsed. Was it corrupted or overwritten?

**Recommended Action:** Confirm that the package containing ProcMgr is correctly installed. Plan to not be able to use this system until the problem is fixed.

**CONFIG\_UNREADABLE:** Fatal error: cfg file '%s' is not readable!

**Severity:** Emergency

**Explanation:** The system is unusable, because the ProcMgr configuration file exists, but can not be read.

**Recommended Action:** This is a serious error. Confirm that the package containing ProcMgr is correctly installed. Plan not to be able to use this system until the problem is fixed.

**EXECFAILED:** Error: '%s' is no longer running (exec() returned unexpectedly!)

**Severity:** Emergency

**Explanation:** The specified process failed to start.

**Recommended Action:** Plan not to be able to use this system until the problem has been fixed.

**FINALSHUTDOWN:** Final shutdown – ProcMgr %d and all related processes stopped!

**Severity:** Info

**Explanation:** This is the last message from ProcMgr before final shutdown.

**Recommended Action:** No action is required – this message is for information only.

**FORKFAILED:** Fatal error: unable to start '%s': %s

**Severity:** Emergency

**Explanation:** The specified process could not be started. The reason for the failure is specified in the message.

**Recommended Action:** Plan not to be able to use this system until the problem has been fixed.

**HEARTBEATFILEMISSING:** Heartbeat file of '%s' (PID=%d) is missing

**Severity:** Info

**Explanation:** The heartbeat file of the specified process is missing. ProcMgr will stop the process, and will restart it, if applicable.

**Recommended Action:** Keep an eye on the message.

**MASTER\_RUNNING:** Master ProcMgr (PID=%d) monitoring ProcMgr worker (PID=%d)

**Severity:** Info

**Explanation:** The master ProcMgr is monitoring the ProcMgr worker process.

**Recommended Action:** No action is required – this message is for information only.

**MASTER\_STARTED:** Master ProcMgr process started. (PID=%d)

**Severity:** Info

**Explanation:** The ProcMgr master process has started running.

**Recommended Action:** No action is required – this message is for information only.

**NEW\_PROCESSES:** New processes configured to run under ProcMgr control: %s

**Severity:** Debug

**Explanation:** The specified processes have been added to the set of processes that run under ProcMgr control. This message is informational only.

**Recommended Action:** No action is required – this message is for information only.

**PROCCFG\_BADVALUE:** Error: bad config value for process '%s': %s=%s.

**Severity:** Error

**Explanation:** The config file for the process specified a valid config option, but set that option to an invalid value. The process will not be started.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**PROCCFG\_INCOMPLETE:** Error! Process incompletely configured: exe='%s', argv='%s', heartbeatPeriod='%s'.

**Severity:** Error

**Explanation:** One or more of the required process config parameters was not set.

**Recommended Action:** Confirm that the package containing the config file is installed correctly, and is up to date.

**PROCCFG\_OPTION\_UNKNOWN:** Error: config for '%s' has unknown option (%s=%s)

**Severity:** Error

**Explanation:** The specified config file contains an unknown config option. The unknown option is listed.

**Recommended Action:** Confirm that the package containing the file is correctly installed. Plan not to be able to use this system until the problem is fixed.

**PROCCFG\_UNPARSEABLE:** Config file '%s' can not be parsed. The process configured in it will not be started.

**Severity:** Info

**Explanation:** The process config file is not parseable. This condition should be transient. If it persists, the system might be unstable.

**Recommended Action:** A process config file was found to be unparseable. This can occur while the system is being reconfigured (e.g., packages are installed/removed/updated), but should be transient. If the message persists, the system might be unstable, or some features might not work. Find out why the process config file is expected, but not there.

**PROCESSES\_ADOPTED:** ProcMgr (PID=%d) adopted running processes: %s

**Severity:** Debug

**Explanation:** During a warm restart, ProcMgr took over management of the listed process(es) already running.

**Recommended Action:** No action required – this message is informational only.

**PROCESSES\_DECONFIGURED:** Processes no longer running under ProcMgr control: %s

**Severity:** Debug

**Explanation:** The specified processes have been removed from the set of processes that run under ProcMgr control. This message is informational only.

**Recommended Action:** No action is required – this message is for information only.

**PROCESS\_CONFIG\_DUPLICATE:** Duplicate config for '%s' detected. Using the config with ctime %d.

**Severity:** Warning

**Explanation:** More than one config file contains configuration for the specified agent. This can happen when the system is being reconfigured (e.g., software is being installed/upgraded/uninstalled), but should not persist for longer than a few minutes.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**PROCESS\_DELAYRESTART:** '%s' (PID=%d) restarted too often! Delaying restart for %s (HH:MM:SS) (until %s)

**Severity:** Error

**Explanation:** The specified process has required restart too often. In order to protect the system, restart of the process is being delayed until the specified time.

**Recommended Action:** Figure out why the process needs to be restarted so often, and fix the problem.

**PROCESS.NOTRESTARTING:** Letting '%s' (PID=%d) exit - NOT restarting it.

**Severity:** Info

**Explanation:** The specified process has stopped, and ProcMgr will not restart it. This could be due to the process being deconfigured, for example.

**Recommended Action:** No action is required – this message is for information only.

**PROCESS.NOTSTARTING:** Error: '%s' can not be started, because its config is bad.

**Severity:** Error

**Explanation:** The specified process will not be started because its configuration is bad.

**Recommended Action:** Confirm that the package containing the config file is correctly installed. Plan not to be able to use this system until the problem is fixed.

**PROCESS.RESTART:** Restarting '%s' immediately (it had PID=%d)

**Severity:** Info

**Explanation:** The specified process is being restarted immediately.

**Recommended Action:** Keep an eye on the process – if it restarts frequently, figure out why.

**PROCESS.STARTED:** '%s' starting with PID=%d (PPID=%d) – execing '%s'

**Severity:** Info

**Explanation:** The specified process is about to be started with the specified process ID. PPID refers to the parent process's PID.

**Recommended Action:** No action is required – this message is for information only.

**PROCESS.TERMINATED:** '%s' (PID=%d) has terminated.

**Severity:** Info

**Explanation:** The specified process has stopped running. This may or may not be intentional.

**Recommended Action:** No action is required – this message is for information only.

**PROGRAM.NOTEXECUTABLE:** Error! Program for '%s' (%s) not executable, but configured to run.

**Severity:** Error

**Explanation:** A major feature might not work, because the program that implements at least part of the feature can not be executed.

**Recommended Action:** This is a serious error. Confirm that the package containing the program is correctly installed. Plan not to be able to use the system until the problem is fixed.

**PROGRAM.NOTFOUND:** Error! Program for '%s' (%s) not found, but configured to run.

**Severity:** Error

**Explanation:** A major feature might not work, because the program that implements at least part of the feature can not be found.

**Recommended Action:** This is a serious error. Confirm that the package containing the program is correctly installed. Plan not to be able to use the system until the problem is fixed.

**SHORTSLEEP:** Waking up after sleeping only %s (of at least %s requested)

**Severity:** Debug

**Explanation:** ProcMgr was unable to delay the next review of the system for the minimum requested.

**Recommended Action:** Keep an eye on the message. If it appears frequently, figure out why ProcMgr can't sleep as long as requested. (Is it being interrupted by signals?)

**SHUTDOWNREQUESTED:** ProcMgr shutdown requested via SIGQUIT or SIGTERM to worker (PID=%d) – Master ProcMgr (PID=%d) exiting.

**Severity:** Error

**Explanation:** A requested shutdown of ProcMgr and all managed processes is being executed.

**Recommended Action:** No action is required – this message is for information only.

**SHUTDOWN.SIGKILLALL:** ProcMgr shutting down – terminating all managed procs: %s

**Severity:** Info

**Explanation:** ProcMgr is shutting down: all processes under its management will be terminated with a SIGKILL. The message lists the affected process IDs.

**Recommended Action:** No action is required – this message is for information only.

**SHUTDOWN.SIGKILLPROC:** ProcMgr shutting down – stopping '%s' (PID=%d) with SIGKILL

**Severity:** Info

**Explanation:** ProcMgr will deliver SIGKILL to the listed processes to allow it to shutdown gracefully.

**Recommended Action:** No action is required – this message is for information only.

**TERMINATE\_PROCESS.SIGKILL:** Heartbeats from '%s' (PID=%d) missing for %s secs – terminating it with SIGKILL

**Severity:** Info

**Explanation:** ProcMgr is terminating the specified process because it is not behaving as expected, has been reconfigured, or has been configured to stop.

**Recommended Action:** This message is expected when the system is being reconfigured. If this message appears frequently when the system is not being reconfigured, there may be something wrong with the process.

**TERMINATE\_PROCESS.SIGQUIT:** Heartbeats from '%s' (PID=%d) missing for %s secs – terminating it with SIGQUIT

**Severity:** Warning

**Explanation:** ProcMgr is terminating the specified process because it has detected that the process is not behaving as expected (heartbeats from the process are unexpectedly missing).

**Recommended Action:** Keep an eye on the process – if this happens frequently, there may be something wrong with the process.

**TERMINATE\_RUNNING\_PROCESS:** Terminating deconfigured/reconfigured process '%s' (PID=%d)

**Severity:** Info

**Explanation:** A running process has been configured to stop, or its configuration has changed. ProcMgr will stop the process, and will restart it with a new configuration, if applicable.

**Recommended Action:** This message is informational only – no action is required

**UNEXPECTEDCFGFILESGONE:** %d files disappeared from %s, but no SIGHUP to ProcMgr. Gone are: %s

**Severity:** Warning

**Explanation:** ProcMgr has discovered that some process config files have disappeared without ProcMgr being informed. Running processes will not be stopped by ProcMgr, which is probably not the intention.

**Recommended Action:** Figure out why the files disappeared, and why ProcMgr was not told to rescan the directory (by sending ProcMgr a SIGHUP).

**UNEXPECTEDNEWCFGFILES:** %d new config files in %s, but no SIGHUP to ProcMgr. New are: %s

**Severity:** Warning

**Explanation:** ProcMgr has discovered process config files that it was not told about. The processes will not be started by ProcMgr, which is probably not the intention.

**Recommended Action:** Figure out where the files came from, and why ProcMgr was not told to rescan the directory (by sending ProcMgr a SIGHUP).

**WORKER.COLDSTART:** New ProcMgr worker cold start. (PID=%d) (Master ProcMgr PID=%d)

**Severity:** Info

**Explanation:** The ProcMgr worker thread is ready to begin its work.

**Recommended Action:** No action is required – this message is for information only.

**WORKER.RESTART:** ProcMgr worker (PID=%d) terminated unexpectedly – starting new worker

**Severity:** Error

**Explanation:** The ProcMgr worker process terminated unexpectedly, and is being restarted immediately.

**Recommended Action:** Keep an eye on this message – if it happens frequently, something is wrong with the system.

**WORKER\_WARMSTART:** ProcMgr worker warm start. (PID=%d)

**Severity:** Info

**Explanation:** ProcMgr is doing a warm start (re-reading all config files, starting/stopping/adopting procs as needed).

**Recommended Action:** No action is required – this message is for information only.

**WORKER\_WARMSTART\_DONE:** ProcMgr worker warm start done. (PID=%d)

**Severity:** Debug

**Explanation:** ProcMgr has finished its warm start.

**Recommended Action:** No action is required – this message is for information only.



## 2.41 PTP Messages

**NOT\_SUPPORTED\_VERSION:** PTP V1 packet has been received on interface %s

**Severity:** Warning

**Explanation:** An unsupported 1588 PTP V1 packet has been received on interface %s.

**Recommended Action:** You can configure 'ptp forward-v1' cli command for incoming PTP V1 packets to pass through the switch as normal multicast traffic

## 2.42 PWRMGMT Messages

**INPUT\_POWER\_LOSS:** %s has lost input power.

**Severity:** Warning

**Explanation:** The power supply has lost input power.

**Recommended Action:** Check the input power source to the power supply and that the power supply is properly plugged in. If the problem persists, contact your support representative. Otherwise, no action is required.

**INPUT\_POWER\_OK:** %s has regained input power.

**Severity:** Warning

**Explanation:** The power supply had previously lost input power but is now ok.

**Recommended Action:** No action is required – this message is for information only.

**PSU\_STATUS\_FAILED:** %s has failed and has stopped providing power to the system.

**Severity:** Error

**Explanation:** The power supply has failed and is no longer providing power to the system.

**Recommended Action:** Check the output of 'show environment power' and other log messages for details of why the power supply failed. The power supply may need to be replaced. The problem should be fixed as soon as possible to avoid potential downtime in the future.

**PSU\_STATUS\_OK:** %s has recovered and is providing power to the system.

**Severity:** Error

**Explanation:** The power supply had previously failed but is now ok and is once again providing power to the system.

**Recommended Action:** Check for other log messages detailing why the power supply originally failed. While the power supply has recovered, the problem should be fixed as soon as possible to avoid potential downtime in the future.

## 2.43 QOS Messages

**COPP\_HW\_RESOURCE\_FULL:** Insufficient TCAM resources to program the policy map %s.

**Severity:** Error

**Explanation:** The switch is unable to program QoS CoPP configuration due to insufficient TCAM resources.

**Recommended Action:** Reduce number of ACL rules in policy map classes or reconfigure your ACLs to free some resources for CoPP

**COPP\_HW\_RESOURCE\_NORMAL:** Policy map %s is programmed in TCAM.

**Severity:** Error

**Explanation:** The switch was able to program entire CoPP configuration in the TCAM.

**Recommended Action:** No action is required – this message is for information only.

**ECN\_GLOBAL\_HW\_FULL:** Hardware resources insufficient to program global-buffer ECN

**Severity:** Error

**Explanation:** The switch is unable to program ECN configuration due to insufficient Hardware resources.

**Recommended Action:** No action is required – this message is for information only.

**ECN\_QUEUE\_HW\_FULL:** Hardware resources insufficient to program tx-queue ECN on queue %s for port %s

**Severity:** Error

**Explanation:** The switch is unable to program ECN configuration due to insufficient Hardware resources.

**Recommended Action:** No action is required – this message is for information only.

**HW\_RESOURCE\_FULL:** TCAM resources are insufficient to program %s for port %s

**Severity:** Error

**Explanation:** The switch is unable to program QoS configuration due to insufficient TCAM resources.

**Recommended Action:** Reconfigure your ACLs to free up some resources for QoS.

**HW\_RESOURCE\_NORMAL:** %s is programmed in TCAM for all ports

**Severity:** Error

**Explanation:** The switch was able to program entire QoS configuration in the TCAM.

**Recommended Action:** No action is required – this message is for information only.

**POLICY\_COUNTERS\_AVAILABLE:** A Policer bank is now available to enable counters for policy map based Qos.

**Severity:** Error

**Explanation:** New policies applied will have counters enabled. Reapply existing policies to enable counters on them.

**Recommended Action:** No action is required – this message is for information only.

**POLICY\_COUNTERS\_UNAVAILABLE:** No Policer bank was available to enable counters for policy map based Qos.

**Severity:** Error

**Explanation:** All policies will be programmed but counters will not be available.

**Recommended Action:** Disable features that are using policer banks and re-apply service-policies.

**POLICY\_HW\_RESOURCE\_FULL:** Insufficient hardware resources to program the %s policy-map %s.

**Severity:** Error

**Explanation:** The switch is unable to program QoS policy-map configuration due to insufficient hardware resources.

**Recommended Action:** Reduce number of ACL rules in policy-map classes or reconfigure your ACLs to free some resources for policy-map

**POLICY\_HW\_RESOURCE\_NORMAL:** Programmed %s policy-map %s in hardware.

**Severity:** Error

**Explanation:** The switch was able to program entire policy-map configuration in the hardware.

**Recommended Action:** No action is required – this message is for information only.

**POLICY\_MULTIPLE\_ACTIONS:** Multiple actions are attached to the class-map %s in the policy-map %s.

**Severity:** Error

**Explanation:** In case of conflicting actions only a single action is applied. Dscp rewrite is programmed over any other action, cos rewrite is programmed over traffic-class selection.

**Recommended Action:** Reconfigure policy-map and specify only one action per class.

**SCH\_SHP\_UNIT\_MISMATCH:** Shape rate is in %s and Bandwidth guaranteed is in %s causing unit mismatch for queue %s on port %s. Not programming %s

**Severity:** Error

**Explanation:** Both Shape rate and Bandwidth guaranteed have to be in same units to be programmed properly in hardware.

**Recommended Action:** Reconfigure shaperate units or bandwidth guaranteed units

## 2.44 QUEUEMONITOR Messages

**GLOBAL\_BUFFER\_USAGE\_LOW\_THRESHOLD:** Global Buffer usage is under low threshold now, Maximum buffer usage is %d segments

**Severity:** Info

**Explanation:** Global buffer usage is under threshold.

**Recommended Action:** No action is required – this message is for information only.

**GLOBAL\_BUFFER\_USAGE\_OVER\_THRESHOLD:** Global Buffer usage is over threshold of %d, current length is %d

**Severity:** Info

**Explanation:** Global buffer usage update

**Recommended Action:** No action is required – this message is for information only.

**LENGTH\_OVER\_THRESHOLD:** Interface %s queue length is over threshold of %d, current length is %d

**Severity:** Info

**Explanation:** Interface queue length is over threshold.

**Recommended Action:** No action is required – this message is for information only.

**LENGTH\_UPDATE:** Interface %s to %s queue length is %u, drops on interface is %u

**Severity:** Info

**Explanation:** Interface queue length and queue drop update message.

**Recommended Action:** No action is required – this message is for information only.

**RECOVERED:** Queue monitoring resumed

**Severity:** Debug

**Explanation:** Queue monitoring has recovered from a stall.

**Recommended Action:** No action is required – this message is for information only.

**STALLED:** Queue monitoring has paused briefly, some congestion events may be lost

**Severity:** Debug

**Explanation:** Queue monitoring has stalled briefly. Possible loss of congestion records may occur while it recovers.

**Recommended Action:** No action is required – this message is for information only.

**UNEXPSEQNUM:** Congestion message with un-expected sequence number is received

**Severity:** Warning

**Explanation:** Reinitializing DANZ processor state

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.45 REDUNDANCY Messages

**CONFIG\_SYNC:** %s synchronized from Supervisor %d (active) to Supervisor %d (standby)

**Severity:** Info

**Explanation:** The above configuration was successfully synchronized from the active supervisor to the standby supervisor.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_SYNC\_FAILED:** Failed to synchronize %s from Supervisor %d (active) to Supervisor %d (standby). Reason: %s

**Severity:** Warning

**Explanation:** The active supervisor failed to synchronize the above configuration to the standby supervisor. Active supervisor will keep retrying to synchronize the configuration until successful. The above configuration can be manually copied to the standby supervisor to ensure proper operation on switchover.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CONFIG\_SYNC\_SUCCEEDED:** Synchronized %s from Supervisor %d (active) to Supervisor %d (standby)

**Severity:** Warning

**Explanation:** After the previous synchronization failure, the active supervisor persistently retried and was able to synchronize the above configuration to standby supervisor.

**Recommended Action:** No action is required – this message is for information only.

**ISSHD\_RESTART\_FAILED:** sshd service failed to restart on Supervisor %d (standby).

**Severity:** Notice

**Explanation:** The internal sshd service that runs on standby supervisor has stopped unexpectedly. The service monitoring agent failed to restart it.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**ISSHD\_RESTART\_SUCCEEDED:** sshd service has restarted on Supervisor %d (standby).

**Severity:** Notice

**Explanation:** The internal sshd service that runs on standby supervisor has stopped unexpectedly. The service monitoring agent has restarted it.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**ISSHD\_STOP\_FAILED:** stopping sshd service failed on Supervisor %d (active).

**Severity:** Error

**Explanation:** The internal sshd service should not run on active supervisor. The service monitoring agent failed to stop it.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**IS\_ACTIVE:** Supervisor became active

**Severity:** Notice

**Explanation:** This supervisor has become active. Now it will take over the management interface and control the linecards and fabric cards.

**Recommended Action:** No action is required – this message is for information only.

**IS\_DISABLED:** Supervisor became disabled

**Severity:** Critical

**Explanation:** This supervisor has been disabled, which means that it will not become active even if the active supervisor fails. Now the switch is running with one supervisor less.

**Recommended Action:** If you did not deliberately disable the supervisor, contact your support.

**IS\_STANDBY:** Supervisor became standby

**Severity:** Notice

**Explanation:** This supervisor has become standby. Now it is ready to become active, if the active supervisor fails.

**Recommended Action:** No action is required – this message is for information only.

**OTHER\_ACTIVE:** Other supervisor became active

**Severity:** Notice

**Explanation:** The other supervisor has become active. Now it will take over the management interface and control the linecards and fabric cards.

**Recommended Action:** No action is required – this message is for information only.

**OTHER\_DISABLED:** Other supervisor became disabled

**Severity:** Critical

**Explanation:** The other supervisor has been disabled, which means that it will not become active even if the active supervisor fails. Now the switch is running with one supervisor less.

**Recommended Action:** If you did not deliberately disable the other supervisor, contact your support.

**OTHER\_STANDBY:** Other supervisor became standby

**Severity:** Notice

**Explanation:** The other supervisor has become standby. Now it is ready to become active, if the active supervisor fails.

**Recommended Action:** No action is required – this message is for information only.

**PROTOCOL\_CHANGE:** Operational redundancy protocol changed to %s

**Severity:** Notice

**Explanation:** The operational redundancy protocol changed to %s due to conditions on the standby supervisor.

**Recommended Action:** No action is required – this message is for information only.

**RESTARTING\_SOFTWARE:** Restarting software on Supervisor %d (standby)

**Severity:** Notice

**Explanation:** Software on the standby supervisor is being restarted. This is necessary when a new startup-config is received from the active supervisor while in Route Processor Redundancy Mode. The standby supervisor may temporarily stop participating in the election protocol.

**Recommended Action:** No action is required – this message is for information only.

**SWITCHOVER\_COMPLETE:** Stateful switchover is complete

**Severity:** Notice

**Explanation:** This supervisor has completed stateful switchover.

**Recommended Action:** No action is required – this message is for information only.

**SWITCHOVER\_STAGE\_COMPLETE:** Supervisor stateful switchover resumed after stage %s completed

**Severity:** Warning

**Explanation:** A stage in stateful switchover that had been taking longer than expected to complete has now completed. Stages that depend on this completion are able to proceed.

**Recommended Action:** No action is required – this message is for information only.

**SWITCHOVER\_STAGE\_SLOW:** Supervisor stateful switchover stage %s timed out

**Severity:** Warning

**Explanation:** A stage in stateful switchover is taking longer than expected. Switchover stages that depend on this stage will begin after this stage is completed.

**Recommended Action:** No action is required – this message is for information only.

**SWITCHOVER\_START:** Stateful switchover started

**Severity:** Notice

**Explanation:** This supervisor has initiated stateful switchover.

**Recommended Action:** No action is required – this message is for information only.

**SYNC\_SLOW:** During SSO switchover, %s took longer than expected to sync its hardware shadow.

**Severity:** Info

**Explanation:** During SSO switchover cards have an expected timeframe to sync their hardware shadow. This card took longer than expected to sync its shadow.

**Recommended Action:** No action is required – this message is for information only.

## 2.46 ROUTING Messages

**ECMP\_ROUTE\_MAX\_PATHS\_EXCEEDED:** ECMP route %a has exceeded number of allowed paths.

**Severity:** Info

**Explanation:** An ecmp route has more paths than allowed by the Resilient Ecmp Feature. The extra paths will not be programmed in hardware.

**Recommended Action:** No action is required – this message is for information only.

**ECMP\_ROUTE\_PATH\_NOT\_PROGRAMMED:** Path %a not programmed for ECMP route %a

**Severity:** Info

**Explanation:** Path exceeds number of allowed paths in a resilient ecmp route. Path will not be programmed in hardware.

**Recommended Action:** No action is required – this message is for information only.

**HW\_MAX\_PATHS\_EXCEEDED:** Adjacency %s has too many paths, using only %d

**Severity:** Error

**Explanation:** The switch is unable to program all paths of the route because the number of paths exceeds the maximum supported by the hardware. The extra paths have been discarded from the route.

**Recommended Action:** No action is required – this message is for information only.

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all routes

**Severity:** Error

**Explanation:** The switch is unable to program all routes due to insufficient hardware resources. When the switch is unable to program routes due to insufficient hardware resources, it may drop certain packets in order to avoid potential routing loops in the network. The switch encountered this issue because the routing table exceeds the available hardware resources.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the size of the routing table. When the routing table size reduces, the switch automatically programs any unprogrammed routes in hardware.

**HW\_RESOURCE\_NORMAL:** All routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the routes in the routing table, in hardware and normal hardware routing has resumed.

**Recommended Action:** No action is required – this message is for information only.

**MAX\_PATHS\_EXCEEDED:** Number of paths (%d) for route %s more than supported value (%d)

**Severity:** Error

**Explanation:** The system is trying to allocate an ecmp route with more paths than the maximum allowed by the hardware. The route will be programmed to use only the maximum allowed.

**Recommended Action:** No action is required – this message is for information only.

**PERSISTENT\_CONFIG\_MOVED:** /persist/sys/ribd.ami is obsolete, please use /mnt/flash/rib-startup

**Severity:** Error

**Explanation:** Persistent rib configuration in binary format in /persist/sys/ribd.ami is not recommended. Put a plain-text list of commands in /mnt/flash/rib-startup instead.

**Recommended Action:** Archive the configuration using "show tech-support ribd running-config > flash:old-ribd-config.txt", delete the old /persist/sys/ribd.ami, and move any configuration that EOS does not support natively to /mnt/flash/rib-startup.



**VXLAN\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all vxlan tunnels

**Severity:** Error

**Explanation:** The switch is unable to program all tunnels due to insufficient hardware resources. When the switch is unable to program tunnels due to insufficient hardware resources, it may drop certain packets in order to avoid potential routing loops in the network. The switch encountered this issue because the number of VTEPs peering with this switch exceeds the size of the hardware tunnel table.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the number of remote VTEPs peering. When the tunnel table size reduces, the switch automatically programs any unprogrammed tunnels in hardware tunnel table.

**VXLAN\_VTEP\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all vxlan tunnels

**Severity:** Error

**Explanation:** The switch is unable to program all tunnels due to insufficient hardware resources. When the switch is unable to program tunnels due to insufficient hardware resources, it may drop certain packets in order to avoid potential routing loops in the network. The switch encountered this issue because the tunnel table exceeds the available hardware resources.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the size of the tunnel table. When the tunnel table size reduces, the switch automatically programs any unprogrammed tunnels in hardware.

**VXLAN\_VTEP\_HW\_RESOURCE\_NORMAL:** All tunnels are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the tunnels in the routing table, in hardware and normal hardware routing has resumed.

**Recommended Action:** No action is required – this message is for information only.

## 2.47 SAND Messages

**AGENT\_EXITING:** Agent for %s is exiting and will restart.

**Severity:** Warning

**Explanation:** Sand agent is exiting and will restart.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CARD\_INIT\_FAILED:** Initialization of %s failed because of a software error.

**Severity:** Error

**Explanation:** In some rare cases, a linecard or fabric card cannot be initialized after a switchover because of a software condition.

**Recommended Action:** Turn off and then turn on the power for the card that has failed to initialize.

**DDR\_BIST\_FAILED:** Switch ASIC %d, dram %d failed dram bist

**Severity:** Error

**Explanation:** The Arad switch ASIC failed dram bist test. Please contact support.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**DDR\_NO\_INFO:** Switch ASIC %d, DDR memory bank settings not available.

**Severity:** Error

**Explanation:** The switch ASIC %d cannot be initialized without information about DDR memory banks.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**DDR\_NO\_LOCK:** Switch ASIC %d, DDR memory bank %d was re-initialized.

**Severity:** Info

**Explanation:** When a switch ASIC does not recognize a DDR memory bank during initialization the switch ASIC is re-initialized. No impact to functionality.

**Recommended Action:** No action is required – this message is for information only.

**DRAM\_INIT\_FAILURE:** DRAM %d of %s failed initialization. It did not read back what was written to it.

**Severity:** Error

**Explanation:** After initializing a Petra's DRAMs, software verifies that it can write and read back from them. If the value read back is not what was written to the DRAM, software exits and retries the initialization. This is normally a transient condition, and the next initialization succeeds.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**EGRESS\_CONSISTENT:** Egress buffer counters on %s have returned to normal, and the egress queues are operating normally.

**Severity:** Error

**Explanation:** Egress counters have returned to normal. The chip is operating normally.

**Recommended Action:** No action is required – this message is for information only.

**EGRESS\_INCONSISTENT:** Egress buffer counters on %s are inconsistent with the number of available buffers and/or descriptors. The egress queues may be stuck, causing traffic sent to this device to be dropped.

**Severity:** Error

**Explanation:** Egress counters are showing more buffers or descriptors than actually exist.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**ERROR\_OCCURRED:** %s '%s' occurred. New=%d, Total=%d

**Severity:** Error

**Explanation:** An unusual event has been detected.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FABRICSERDES\_LINK\_FAILED:** SERDES %s failed to link up with SERDES %s:%d

**Severity:** Warning

**Explanation:** The specified SERDES in the sytem has failed to synchronize and link up with the peer SERDES. This link will not be used for sending and receiving traffic anymore. This may affect switching throughput on a fully-loaded system

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FABRIC\_DMA\_ERROR:** DMA operation of multicast table on %s failed with %s error.

**Severity:** Error

**Explanation:** DMA operation of the given table failed on the specified Fabric card ASIC.

**Recommended Action:** This might indicate a potential hardware issue in the specified Fabric. Try powering off and powering back on the Fabric card using the configuration command '[no] power enable module Fabric;n<sub>i</sub>'. If the problem persists, contact your support representative.

**FABRIC\_FIFO\_SIZE\_ERROR:** %s, serdes %s, %s FIFO size out of range, size=%d, max allowed size=%d.

**Severity:** Error

**Explanation:** An unusual event has been detected.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FABRIC\_MCAST\_TABLE\_INIT\_TIMEOUT:** Fabric Chip %s timed-out during initialization of multicast tables.

**Severity:** Warning

**Explanation:** The multicast tables in the specified fabric chip were not properly initialized before enabling traffic to be switched by the fabric chip. This may result in loss of multicast traffic during system boot-up and fabric agent restart.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FABRIC\_NOT\_PRESENT:** %s can no longer access the switching fabric, stopping all traffic.

**Severity:** Error

**Explanation:** The chassis's fabriccards have been removed, or are not working. The chassis must have working fabriccards for traffic to forward.

**Recommended Action:** Reinsert the fabriccards.

**FABRIC\_REQUEST\_AUDIT:** Request audit of switch fabric.

**Severity:** Info

**Explanation:** Switch fabric audit was requested by CLI command.

**Recommended Action:** No action is required – this message is for information only.

**FE600\_RESTORED\_TO\_FABRIC:** %s restored to the switch fabric.

**Severity:** Warning

**Explanation:** Switch fabric redundancy has been restored.

**Recommended Action:** No action is required – this message is for information only.

**FE600\_WITHDRAWN\_FROM\_FABRIC:** %s withdrawn from the switch fabric, causing some loss in redundancy.

**Severity:** Warning

**Explanation:** A fabric chip has been taken offline due to persistent fabric errors. The fabric card may need to be replaced.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**FPGA\_PARITY\_ERROR:** Corrin memory parity errors occurred in %s

**Severity:** Error

**Explanation:** Corrin memory parity errors have been detected.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**INGRESS\_RESET:** Reset ingress blocks of switch chip %s.

**Severity:** Warning

**Explanation:** Software re-initialized the ingress blocks of the chip, causing 50ms of traffic loss.

**Recommended Action:** No action is required – this message is for information only.

**INIT\_FAILED:** Initialization of %s switch asics failed.

**Severity:** Error

**Explanation:** The initialization of the switch asics on this card failed. This could be an intermittent problem, and it will work next time, or it could be bad hardware.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**INIT\_SUCCEEDED:** Initialization of %s switch asics succeeded.

**Severity:** Info

**Explanation:** The switch asics have been successfully initialized, and are operating normally.

**Recommended Action:** No action is required – this message is for information only.

**INIT\_TOO\_LONG:** %s has waited too long for %s during initialization. Exiting.

**Severity:** Error

**Explanation:** The card has taken longer than expected to initialize. Exiting and retrying

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**IPV6\_ROUTING\_OVERFLOW:** %s is unable to fit all the ipv6 routes in hardware due to lack of %s. All ipv6 routed traffic will be dropped.

**Severity:** Error

**Explanation:** All ipv6 routed traffic will be dropped due to lack of hardware resources.

**Recommended Action:** Reconfigure your network.

**IPV6\_ROUTING\_OVERFLOW\_RECOVERY\_COMPLETED:** %s recovered from ipv6 routing overflow.

**Severity:** Error

**Explanation:** All ipv6 routes have been re-added.

**Recommended Action:** No action is required – this message is for information only.

**IPV6\_ROUTING\_OVERFLOW\_RECOVERY\_STARTED:** %s is starting to recover from ipv6 routing overflow.

**Severity:** Error

**Explanation:** All ipv6 routes are being re-added.

**Recommended Action:** Reconfigure your network if ipv6 routing overflow persists.

**MCAST\_BOUNDARY\_UNSUPPORTED\_ERROR:** Multicast boundary is not supported in the current platform.

**Severity:** Error

**Explanation:** A multicast boundary is configured but is currently not supported by the platform. The configuration will be ignored.

**Recommended Action:** To avoid seeing this error again, remove all "ip multicast boundary" commands from your configuration file

**PETRA\_NOT\_QUIET:** %s '%s' are %d, but should be %d

**Severity:** Debug

**Explanation:** Traffic activity has been detected while verifying Petra quiescence

**Recommended Action:** No action is required – this message is for information only.

**POSSIBLE\_FABRIC\_ERROR:** Detected possible fabric error, which was not resolved by resetting the switch fabric. See 'show platform sand health' for more details.

**Severity:** Warning

**Explanation:** Errors occurred which were not resolved by resetting the fabric. This may be a symptom of a possible problem with a fabric card.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POSSIBLE\_STUCK\_PORT:** %s may be stuck. Tx queues should be empty, but descriptors detected UC: %d MC: %d chip: %d

**Severity:** Error

**Explanation:** There are packet descriptors in a disabled port's tx queues. This can be a symptom of a stuck egress port. If you enable the port, and no packets transmit out, the port is unusable until the forwarding agent restarts.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**POWER\_CYCLE\_REQUIRED:** Software detected an error condition which requires a power cycle to recover. Please reload the system at the soonest convenient time.

**Severity:** Error

**Explanation:** Software detected that a power cycle is required, but is unable to power cycle the hardware. Please reload the system to power cycle it, and recover from the error.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**QDR\_ECC\_ERROR:** Ecc errors occurred in %s packet descriptor memory. New=%d, Total=%d

**Severity:** Error

**Explanation:** Ecc errors occurred in qdr packet descriptor memory of a switch chip. If the problem continues to happen, please contact support.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**RACL\_MAX\_LIMIT:** Additional RACL entries could not be programmed on %s for %s

**Severity:** Error

**Explanation:** RACLs on excess VLANs and VRRPs will fail

**Recommended Action:** No action is required – this message is for information only.

**REBOOT\_AFTER\_INIT\_FAILURE:** Initialization of %s switch ASICs failed. Automatically rebooting switch to attempt recovery

**Severity:** Error

**Explanation:** The initialization of switch ASICs failed, and the switch is being rebooted to recover from the failure. If initialization fails a second time, no automatic reboot will occur.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**REQUEST\_RESET:** Request reset of %s.

**Severity:** Warning

**Explanation:** Specified reset was requested by CLI command.

**Recommended Action:** No action is required – this message is for information only.

**RESET\_EGRESS\_SCHEDULER:** Reset egress scheduler of switch chip %s.

**Severity:** Warning

**Explanation:** Software has reset the egress scheduler of the switch chip.

**Recommended Action:** No action is required – this message is for information only.

**RESET\_FULL\_CHIP:** Reset all internal blocks of switch chip %s.

**Severity:** Warning

**Explanation:** Software re-initialized all internal blocks of the switch chip. This reset causes some traffic loss, but does not flap the links.

**Recommended Action:** No action is required – this message is for information only.

**ROUTING\_ARP\_RESOURCE\_FULL:** Hardware resources are insufficient to program all ARP entries

**Severity:** Error

**Explanation:** The switch is unable to program all ARP entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of ARP entries in the switch.

**ROUTING\_ARP\_RESOURCE\_NORMAL:** All ARP entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the ARP entries in hardware.

**Recommended Action:** No action is required – this message is for information only.

**ROUTING\_OVERFLOW:** %s is unable to fit all the routes in hardware due to lack of %s. All routed traffic will be dropped.

**Severity:** Error

**Explanation:** All routed traffic will be dropped due to lack of hardware resources.

**Recommended Action:** Reconfigure your network.

**ROUTING\_OVERFLOW\_RECOVERY\_COMPLETED:** %s recovered from routing overflow.

**Severity:** Error

**Explanation:** All routes have been re-added.

**Recommended Action:** No action is required – this message is for information only.

**ROUTING\_OVERFLOW\_RECOVERY\_STARTED:** %s is starting to recover from routing overflow.

**Severity:** Error

**Explanation:** All routes are being re-added.

**Recommended Action:** Reconfigure your network if routing overflow persists.

**SSO\_NOT\_SUPPORTED:** Redundancy protocol SSO for card %s is not supported in this software version.

**Severity:** Info

**Explanation:** In this software version, Stateful Switchover support for this card is not available.

**Recommended Action:** Configure redundancy protocol to RPR for this chassis.

**STUCK\_SCHEDULER\_SHAPER:** Detected stuck scheduler shaper on %s for flow %d from %s to %s.

**Severity:** Warning

**Explanation:** Software detected a possibly stuck scheduler shaper. If confirmed, software resets the egress scheduler of this switch chip, to correct the condition.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**STUCK\_VOQ\_INCONSISTENT\_QUEUE:** Software has detected that voq %d of switch %s pointing to fap %d port %d with traffic class %d has %dB of packets with no dequeues. Found a queue table with inconsistent entries.

**Severity:** Error

**Explanation:** No description needed

**Recommended Action:** No action is required – this message is for information only.

**STUCK\_VOQ\_WITH\_CREDITS:** Software has detected that voq %d of switch %s pointing to fap %d port %d with traffic class %d has %dB of packets with no dequeues in the last %d ms. It's credit balance is %d and %d credits have arrived in the same amount of time.

**Severity:** Warning

**Explanation:** No description needed

**Recommended Action:** No action is required – this message is for information only.

**SWITCH\_INIT\_FAILED:** %s (%s) initialization failed.

**Severity:** Error

**Explanation:** The initialization sequence of this switch ASIC failed. This could be an intermittent problem, and it will work next time. If it persists, it could be bad hardware.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**TBL\_LOCK\_TIMEOUT:** SandHam table lock timed out.

**Severity:** Error

**Explanation:** Software detected an excessive time required to acquire a lock required for accessing a Petra indirect table. The agent was restarted.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.48 SANDACL Messages

**TTL1\_CONFIG\_CONSISTENT:** The ttl1 trapping configuration on petraA and arad is now consistent

**Severity:** Warning

**Explanation:** Ttl 1 trapping behavior is no longer different

**Recommended Action:** No action is required – this message is for information only.

**TTL1\_CONFIG\_INCONSISTENT:** The ttl 1 trapping configuration on petraA and arad is different.

**Severity:** Warning

**Explanation:** Ttl 1 trapping behavior is different between the petraA and arad linecards. Ingerss behavior will differ depending on the linecard packets ingerss on.

**Recommended Action:** To solve this issue, configure ttl1 trapping on petraA and arad as appropriate using [no] platform petraA ip trap ttl-1 and [no] platform arad ip trap ttl-1

## 2.49 SECURITY Messages

**HW\_ENTROPY\_ERROR:** Hardware entropy generation is encountering errors: %s

**Severity:** Error

**Explanation:** Hardware entropy generation is experiencing problems and the device is being reset. The SECURITY\_HW\_ENTROPY\_RECOVER message will be logged when the device is functioning properly.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**HW\_ENTROPY\_FATAL\_ERROR:** Hardware entropy generation failed: %s: %s

**Severity:** Error

**Explanation:** Hardware entropy generation failed due to an unrecoverable error. The Sol agent will restart.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**HW\_ENTROPY\_RECOVER:** Hardware entropy generation is now working properly.

**Severity:** Error

**Explanation:** Hardware entropy was experiencing problems which have been corrected and the device is functioning properly again.

**Recommended Action:** No action is required – this message is for information only.

**HW\_ENTROPY\_START:** Hardware entropy generation started.

**Severity:** Info

**Explanation:** Notification that the hardware entropy generation is running.

**Recommended Action:** No action is required – this message is for information only.

**HW\_ENTROPY\_STOP:** Hardware entropy generation stopped.

**Severity:** Info

**Explanation:** Notification that the hardware entropy generation is not running.

**Recommended Action:** No action is required – this message is for information only.

**HW\_ENTROPY\_UNSUPPORTED:** %s does not support hardware entropy generation.

**Severity:** Warning

**Explanation:** Hardware entropy generation not supported on platform for the given reason.

**Recommended Action:** No action is required – this message is for information only.

**SSH\_CLIENT\_CONNECTING:** %s is connecting a SSH session from the switch to %s@%s:%s

**Severity:** Info

**Explanation:** A person logged into the switch began a SSH session to an external server.

**Recommended Action:** No action is required – this message is for information only.

**SSH\_CLIENT\_DISCONNECTED:** %s disconnected the SSH session from the switch to %s@%s:%d

**Severity:** Info

**Explanation:** The SSH session from the switch to the remote server is now over

**Recommended Action:** No action is required – this message is for information only.

**SSH\_TUNNEL\_ALGORITHM\_MISMATCH:** SSH tunnel %s was unable to connect to the configured remote server due to not finding a matching %s.

**Severity:** Error

**Explanation:** The remote server did not support an algorithm that the switch could use.

**Recommended Action:** Check if the server and switch are configured correctly.

**SSH\_TUNNEL\_CLOSED\_REMOTELY:** SSH tunnel %s had it's connection closed by the remote host.

**Severity:** Error

**Explanation:** The SSH Tunnels connection was closed by the remote host.

**Recommended Action:** Check the logs for the remote hosts SSH server.



**SSH\_TUNNEL\_CONFIGURED:** SSH tunnel %s from local TCP port %s to %s:%s via %s@%s is fully configured.

**Severity:** Info

**Explanation:** An SSH tunnel was just configured and will try to connect.

**Recommended Action:** No action is required – this message is for information only.

**SSH\_TUNNEL\_CONNECTION\_REFUSED:** SSH tunnel %s had its initial connection refused by the remote host.

**Severity:** Error

**Explanation:** The initial attempt to open an ssh connection was refused by the remote host.

**Recommended Action:** Check that the remote host has its ssh server running and accepting connections on port 22.

**SSH\_TUNNEL\_CORRUPT\_PACKET\_RECEIVED:** SSH tunnel %s received a corrupt packet from the configured remote server.

**Severity:** Error

**Explanation:** A packet from the remote server was received that passed the TCP/IP checksum but failed the SSH checks.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SSH\_TUNNEL\_ESTABLISHED:** SSH tunnel %s from local TCP port %s to %s:%s via %s@%s is established.

**Severity:** Info

**Explanation:** An SSH tunnel was just started to a remote server.

**Recommended Action:** No action is required – this message is for information only.

**SSH\_TUNNEL\_HOSTKEY\_VERIFY\_FAILED:** SSH tunnel %s was unable to connect to the configured host because it could not verify the hostkey of the remote host.

**Severity:** Error

**Explanation:** The switch is set to check all hostkeys of remote entities it connects to. Verification of the remote host failed and the switch did not connect.

**Recommended Action:** Make sure the known hosts for the switch contains the hostkey the remote SSH server is offering upon connection.

**SSH\_TUNNEL\_HOSTNAME:** SSH tunnel %s was unable to resolve hostname: %s

**Severity:** Error

**Explanation:** The SSH tunnel was unable to resolve the hostname and could not connect.

**Recommended Action:** Check the hostname and DNS resolution.

**SSH\_TUNNEL\_INITIAL\_TIMEOUT:** SSH tunnel %s was unable to reach the remote host and the connection timed out.

**Severity:** Error

**Explanation:** SSH Tunnels have a limited amount of time to reach the host to make the connection. The tunnel was unable to find a route to the configured host in that timeframe.

**Recommended Action:** Check that the address for the configured host is correct and that a route exists from the switch to the host.

**SSH\_TUNNEL\_LOCAL\_PORT\_ERROR:** SSH Tunnel %s was unable to use the configured local port.

**Severity:** Error

**Explanation:** The switch was unable to use the local port for an SSH Tunneling connection.

**Recommended Action:** Use a different local port that is not being used by another program.

**SSH\_TUNNEL\_LOG\_FILE\_TOO\_LARGE:** SSH Tunnel %s had its log file grow too large. The tunnel will be restarted since this is indicative of an issue.

**Severity:** Warning

**Explanation:** The log file of an SSH Tunnel is generally a fixed size unless there is an issue. Since the log file got too large a copy will be saved to the disk and the tunnel restarted.

**Recommended Action:** Check syslog and the tunnels log file at /etc/ssh/ to determine if there are any issues.

**SSH\_TUNNEL\_REMOTE\_PORT\_ERROR:** SSH Tunnel %s is unable to open the port on the remote host.

**Severity:** Error

**Explanation:** When the SSH Tunnel attempted to open a connection on the remote side it was prevented from doing so by the remote hosts SSH server.

**Recommended Action:** Make sure the remote server allows TCP forwarding, allows the configured port to be opened, and the port is not the point of a resource allocation conflict.

**SSH\_TUNNEL\_SLOW\_RESTART:** SSH Tunnel %s will be delayed before restarting

**Severity:** Warning

**Explanation:** SSH Tunnels can only restart a limited number of times before they are delayed. This is to prevent bad connections from attempting to connect over and over. Once the tunnel successfully runs for some time, fast restarts will work again.

**Recommended Action:** Check for previous syslog messages regarding SSH tunnels. If this doesn't explain why the SSH Tunnel is restarting so often check the tunnel logs under /etc/ssh.

**SSH\_TUNNEL\_SWITCH\_HOSTKEY\_DENIED:** SSH tunnel %s was unable to log into its configured host via public-key authentication

**Severity:** Error

**Explanation:** The SSH tunnel attempted to log into the configured host with the switch's hostkey and was denied.

**Recommended Action:** Check that the switches public hostkey is installed on the remote host for the username that is being used to log in.

**SSH\_TUNNEL\_TIMEOUT:** SSH tunnel %s had the remote host timeout while connected.

**Severity:** Error

**Explanation:** The SSH tunnel periodically sends server alive messages through the tunnel and timed out on receiving a reply for them.

**Recommended Action:** Check that the remote host has its SSH server running and if it has any error messages in its log.

**SSH\_TUNNEL\_UNCONFIGURED:** SSH tunnel %s from local TCP port %s to %s:%s via %s@%s has been unconfigured.

**Severity:** Info

**Explanation:** An SSH tunnel to a remote server just stopped running and will not be automatically restarted since it was terminated by a command.

**Recommended Action:** No action is required – this message is for information only.

## 2.50 SERVERMONITOR Messages

**SERVER\_DISCOVERED:** Server %s discovered on interface %s.

**Severity:** Info

**Explanation:** Server is discovered on the interface.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_DOWN:** Server %s is down on interface %s.

**Severity:** Info

**Explanation:** Server is disconnected. Either the connecting link is down or the server has shutdown.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_INACTIVE:** Server %s is inactive. It was last seen on interface %s.

**Severity:** Info

**Explanation:** The server is either not responding to any request or there's no active traffic flow. Hence, it's assumed that the server is inactive.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_MOVED:** Server %s moved from interface %s to %s.

**Severity:** Info

**Explanation:** The switch discovered a server, previously learned on one interface, on another, different interface.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_PROXY\_END:** Proxy service ended for server %s on interface %s.

**Severity:** Notice

**Explanation:** Proxy service for the server has ended. Either the proxy service lifetime elapsed or the interface connecting to the server is link up again.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_PROXY\_IGNORED:** Proxy service for server %s on interface %s ignored due to static MAC entry

**Severity:** Notice

**Explanation:** Proxy service for the server is ignored as there is a static mac entry for the MAC Address of the server

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_PROXY\_LIMIT\_EXCEEDED:** Maximum number of servers that can be proxied simultaneously has been reached.

**Severity:** Notice

**Explanation:** A maximum of 256 servers can be proxied simultaneously. No additional failed server will be proxied after that limit has been reached.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_PROXY\_LIMIT\_NO\_LONGER\_EXCEEDED:** Number of servers that are currently being proxied is below the maximum simultaneously proxied server limit.

**Severity:** Notice

**Explanation:** The number of servers currently being proxied is less than the maximum limit of 256. Additional failed servers will be proxied from now on.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_PROXY\_START:** Proxy service started for server %s on interface %s.

**Severity:** Notice

**Explanation:** Proxy service for the server has started. Any host that sends traffic to the server will be notified that the server is down.

**Recommended Action:** No action is required – this message is for information only.

**SERVER\_UP:** Server %s is up on interface %s.

**Severity:** Info

**Explanation:** Server is connected and active on the interface.

**Recommended Action:** No action is required – this message is for information only.

## 2.51 SPANTREE Messages

**BLOCK\_BPDUGUARD:** Received BPDU packet on %s with BPDU guard enabled. Disabling interface. (source mac %s)

**Severity:** Warning

**Explanation:** The switch received a Spanning Tree BPDU packet on a port which has BPDU guard enabled. When the switch receives a BPDU packet on a BPDU guard enabled port, it disables the port and drops the BPDU packet without further processing.

**Recommended Action:** The switch received a Spanning Tree BPDU packet on a port which has BPDU guard enabled. BPDU guard is configured directly for a port, or globally configured for all portfast interfaces. BPDU guard is typically enabled on portfast or edge ports that are connected to end hosts. BPDU packets are not expected to be received on portfast ports by the switch, and processing them can lead to problems in Spanning Tree. So, when the switch receives a BPDU packet on a port with BPDU guard enabled, it disables the port. To address the issue, either remove the device attached to the port that is sending the BPDU packet, or disable BPDU guard. After resolving the issue, the port can be enabled by issuing the shutdown command, followed by no shutdown command in interface configuration mode.

**BLOCK\_RATELIMITER:** Exceeded BPDU rate limiter on %s

**Severity:** Warning

**Explanation:** The switch received more Spanning Tree BPDUs than allowed by the configured maximum. The port has been disabled to prevent a denial-of-service from excessive CPU usage.

**Recommended Action:** The switch received more BPDUs on a given port than allowed by the BPDU rate limiter configured for that port, or the global rate limiter. In order to prevent a suspected denial-of-service attack, the switch has disabled the port. Figure out why the number of BPDUs received on the port exceeds the expected maximum, and re-enable the port.

**DISABLED:** Spanning tree is disabled.

**Severity:** Info

**Explanation:** The spanning tree protocol is disabled. All ports are forwarding.

**Recommended Action:** No action is required – this message is for information only.

**INTERFACE\_ADD:** Interface %s has been added to instance %s

**Severity:** Info

**Explanation:** The given interface is now running the given spanning tree instance.

**Recommended Action:** No action is required – this message is for information only.

**INTERFACE\_BRIDGE\_ASSURANCE\_ENTER:** Interface %s in %s is entering the bridge assurance inconsistent state

**Severity:** Warning

**Explanation:** The given interface is configured as a network port with bridge assurance. Thus, it should be connected to another bridge running bridge assurance at all times. However, the interface has not been receiving BPDUs so it has been set to inconsistent to avoid STP loops.

**Recommended Action:** The port will exit the inconsistent state if it begins receiving BPDUs again, bridge assurance is disabled, or the port is reconfigured as a non-network port.

**INTERFACE\_BRIDGE\_ASSURANCE\_EXIT:** Interface %s in %s is exiting the bridge assurance inconsistent state

**Severity:** Warning

**Explanation:** The given interface was previously in the bridge assurance inconsistent state in order to avoid STP loops. This state has been cleared, and normal operation has resumed.

**Recommended Action:** The port exited the inconsistent state either because it began receiving BPDUs again, bridge assurance was disabled on the interface, or the port is no longer configured a network port.

**INTERFACE\_DEL:** Interface %s has been removed from instance %s

**Severity:** Info

**Explanation:** The given interface is no longer running the given spanning tree instance.

**Recommended Action:** No action is required – this message is for information only.

**INTERFACE\_SELF\_LOOPED:** Interface %s received its own bpdu: blocking interface (bridge mac %s port id %d)

**Severity:** Warning

**Explanation:** The given interface received a bpdu that it transmitted. To prevent a spanning tree loop from developing, the switch blocks the interface.

**Recommended Action:** The interface appears to be looped back to itself. First, find the source of the loop and remove it. Then shutdown and re-enable the interface to restore normal traffic flow.

**INTERFACE\_STATE:** Interface %s instance %s moving from %s to %s

**Severity:** Info

**Explanation:** The spanning tree state of the interface in the given instance changed to the given new state.

**Recommended Action:** No action is required – this message is for information only.

**LOOPGUARD\_BLOCK:** Loop guard blocking port %s on %s

**Severity:** Warning

**Explanation:** The spanning tree message age timer expired, because no BPDUs were received from the designated bridge. Because this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as loop guard inconsistent in order to prevent possible loops from being created.

**Recommended Action:** Use the show spanning-tree inconsistentports command to review the list of interfaces with loop guard inconsistencies. Determine why devices that are connected to the listed ports are not sending BPDUs. One reason could be that they do not run the Spanning Tree Protocol; in this case, you should disable loop guard in the inconsistent interfaces or start the Spanning Tree Protocol on the other side of the links, depending on the context. Another reason could be a failure in the cable. If the link has a failure that makes it unidirectional (you can transmit, but you cannot receive), you should replace the old cable with a new cable.

**LOOPGUARD\_CONFIG\_CHANGE:** Loop guard %s on port %s.

**Severity:** Info

**Explanation:** There was a change in the spanning tree loop guard configuration for the listed interface. When enabled, the interface will be put into blocking state and marked as loop guard inconsistent when the message age timer expires because no BPDUs were received from the designated bridge. This feature is used to detect unidirectional links.

**Recommended Action:** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration; otherwise, no further action is required.

**LOOPGUARD\_UNBLOCK:** Loop guard unblocking port %s on %s

**Severity:** Warning

**Explanation:** The listed interface received a BPDU, and if the inconsistency was due to a unidirectional link failure, the problem does not exist anymore. The loop guard inconsistency is cleared for the interface, which is taken out of the blocking state.

**Recommended Action:** This is an informational message only; no action is required.

**MODE\_CHANGE:** Spanning tree mode is now %s.

**Severity:** Info

**Explanation:** The spanning tree operating mode has changed.

**Recommended Action:** No action is required – this message is for information only.

**OVERRIDE:** Spanning tree is disabled, port state is controlled by %s.

**Severity:** Info

**Explanation:** The spanning tree protocol is disabled and port state is now controlled by the specified feature.

**Recommended Action:** No action is required – this message is for information only.

**ROOTCHANGE:** Root changed for instance %s: new root interface is %s, new root bridge mac address is %s %s

**Severity:** Info

**Explanation:** The spanning tree root bridge of the given instance changed to the given new value.

**Recommended Action:** No action is required – this message is for information only.

**ROOTGUARD\_BLOCK:** Root guard blocking port %s on %s

**Severity:** Warning

**Explanation:** A BPDU was received on the listed interface that advertised a spanning tree root bridge that was superior to the one already in use. The interface is put into a blocking state and marked as root guard inconsistent to prevent a suboptimal spanning tree topology from forming.

**Recommended Action:** Enter the show spanning-tree inconsistentports command to review the list of interfaces with root guard inconsistencies. Determine why devices that are connected to the listed ports are sending BPDUs with a superior root bridge, and then take action to prevent further occurrences. Once the invalid BPDUs have been stopped, the interfaces automatically recover and resume normal operation. By looking at the configuration, ensure that it is appropriate to enable root guard on the interface.

**ROOTGUARD\_CONFIG\_CHANGE:** Root guard %s on port %s.

**Severity:** Info

**Explanation:** There was a change in the spanning tree root guard configuration for the listed interface. If root guard is enabled, any BPDU that is received on the interface that advertises a superior spanning tree root bridge to the one that is already in use will cause the interface to be put into blocking state and marked as root guard inconsistent.

**Recommended Action:** Verify that this is the correct configuration for the listed interface. If this is not the correct configuration, change the configuration to one that is appropriate for the interface.

**ROOTGUARD\_UNBLOCK:** Root guard unblocking port %s on %s

**Severity:** Warning

**Explanation:** The listed interface is no longer receiving BPDUs that are advertising a superior root bridge. The root guard inconsistency is cleared for the interface and then is taken out of the blocking state if appropriate.

**Recommended Action:** This is an informational message only; no action is required.

**RXDOT1QPKT:** A non-standard IEEE BPDU packet was received and discarded on interface %s. The packet was inconsistent with the IEEE standard, because it was encapsulated with an 802.1Q header.

**Severity:** Warning

**Explanation:** The switch received an 802.1Q tagged Spanning Tree BPDU packet. Arista Networks switches drop these packets without further processing, so the protocol may not function properly on the receiving interface. To fix this problem, reconfigure the sending switch to transmit its Spanning Tree BPDU packets untagged or configure 'l2-protocol encapsulation dot1q vlan *jx<sub>i</sub>*' on Arista switches to enable tagged BPDU processing.

**Recommended Action:** The switch received an 802.1Q tagged Spanning Tree BPDU packet. According to the IEEE Spanning Tree standards (802.1D, 802.1w, and 802.1s), Spanning Tree BPDU packets are to be sent untagged. Various vendors use proprietary extensions to the standard that send tagged Spanning Tree BPDU packets. Arista Networks switches drop these tagged packets without further processing, so the Spanning Tree protocol may not function properly on the receiving interface. To fix this problem, reconfigure the sending switch to transmit its Spanning Tree BPDU packets untagged. This usually requires configuring the sending switch to use a single Spanning Tree or to use the IEEE standard Multiple Spanning Tree (802.1s) mode of the protocol. It may also require explicitly configuring the sending switch to send its Spanning Tree BPDU packets untagged. Another workaround is to run the command 'l2-protocol encapsulation dot1q vlan *jx<sub>i</sub>*' command

**TOPOLOGY\_ASSIGNED:** A spanning tree topology has been assigned to VLAN %s

**Severity:** Info

**Explanation:** A VLAN that previously had no assigned topology due to maximum limit exceeded has now been assigned one.

**Recommended Action:** No action is required – this message is for information only.

**TOPOLOGY\_LIMIT\_EXCEEDED:** No topology created for VLAN %s. The maximum number of supported topologies is %s. The number of configured VLANs is %s more than the number of allowed topologies

**Severity:** Warning

**Explanation:** Maximum allowed spanning tree topologies exceeded. All traffic on this VLAN will be discarded.

**Recommended Action:** Remove some active vlans to go within the maximum limit supported.

**TOPOLOGY\_MISMATCH:** VLAN %s is not on the same topology as its primary VLAN %s.

**Severity:** Warning

**Explanation:** A primary VLAN and its secondary VLANs must be on the same topology. Spanning tree is disabled on any secondary VLAN that does not share a topology with its primary VLAN.

**Recommended Action:** Assign the primary and secondary VLANs to the same topology.

## 2.52 STRATA Messages

**40G\_MODE.CHANGE:** Change in interface configuration from 10G to 40G or vice versa, the StrataAgent will restart.

**Severity:** Info

**Explanation:** When a QSFP+ port is reconfigured from 4x10G to 1x40G or vice versa the switch ASIC must be reconfigured, requiring the StrataAgent to restart.

**Recommended Action:** This behavior is expected.

**AGENT.RESTART:** Strata agent requires to be restarted due to an unrecoverable exception.

**Severity:** Error

**Explanation:** An exception %s has occurred on the switch. StrataAgent will be restarted.

**Recommended Action:** No action is required – this message is for information only.

**MMU\_QUEUE\_RESERVED\_INVALID:** Request to reserve %d bytes of memory for the MMU %s cannot be satisfied.

**Severity:** Info

**Explanation:** The number of bytes requested exceeds available memory.

**Recommended Action:** Reduce the amount of memory that should be reserved by reconfiguring the trident mmu queue.

**PORTGROUP\_MODE.CHANGE:** Change in port-group %s configuration, %s has been enabled, the StrataAgent will restart

**Severity:** Info

**Explanation:** When a QSFP+ port or SFP+ port is enabled or disabled the switch ASIC must be reconfigured, requiring the StrataAgent to restart.

**Recommended Action:** No action is required – this message is for information only.

**TEMP\_SENSOR\_INVALID:** Switch sensor %d on %s is reporting an invalid temperature (%f).

**Severity:** Warning

**Explanation:** The specified temp sensor returned an invalid temperature reading. This can happen intermittently but should not persist.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**UFT\_MODE.CHANGE:** Change in Trident Two UFT operating mode to %d

**Severity:** Info

**Explanation:** the StrataAgent will restart.

**Recommended Action:** No action is required – this message is for information only.



## 2.53 SYS Messages

**CLI\_HOSTNAME\_INVALID:** Configured hostname '%s' is invalid

**Severity:** Error

**Explanation:** The configured hostname is invalid and has been ignored. The hostname must contain only alphanumeric characters, '.' and '-'. It must begin and end with an alphanumeric character.

**Recommended Action:** Configure a valid hostname.

**CLI\_SCHEDULER\_ABORT:** Execution of scheduled CLI execution job '%s' was aborted due to an error: %s

**Severity:** Warning

**Explanation:** Scheduled execution of a CLI command was aborted. The output of that command has been stored in a log file on flash if max-log-files > 0.

**Recommended Action:** Please try to execute the CLI command interactively to make sure it works fine.

**CLI\_SCHEDULER\_FILESYSTEM\_FULL:** Execution of scheduled CLI execution job '%s' was aborted due to flash: filesystem being full

**Severity:** Warning

**Explanation:** Scheduled execution of a CLI command was aborted due to lack of space in flash: filesystem.

**Recommended Action:** Please delete unused files to free up space.

**CLI\_SCHEDULER\_JOB\_COMPLETED:** The scheduled CLI execution job '%s' completed successfully.%s

**Severity:** Debug

**Explanation:** A scheduled CLI command successfully executed. The output of that command is stored in a log file on flash if max-log-files > 0.

**Recommended Action:** No action is required – this message is for information only.

**CLI\_SCHEDULER\_SKIP:** Execution of scheduled CLI execution job '%s' was skipped

**Severity:** Notice

**Explanation:** Scheduled execution of a CLI command was skipped since previous execution for this job is yet to complete.

**Recommended Action:** This may be due to CLI command taking long to complete. Please try to increase execution interval to a larger value.

**COMMAND\_REQUEST\_ERROR:** Error (%s) on command execution

**Severity:** Warning

**Explanation:** Unexpected error caught during the execution of the command.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_E:** Enter configuration mode from %s by %s on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has entered global config mode or updated the system configuration from a configuration file.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_I:** Configured from %s by %s on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has exited global config mode or updated the system configuration from a configuration file.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_STARTUP:** Startup config saved from %s by %s on %s (%s).

**Severity:** Notice

**Explanation:** A network administrator has saved the system's startup configuration.

**Recommended Action:** No action is required – this message is for information only.

**EVENT\_ACTION\_FAILED:** Event handler action %s did not complete with exit code 0: %s

**Severity:** Notice

**Explanation:** Event handler action did not exit normally. Check the logs found at /var/log/event/eventName for more information and also examine the bash commands configured to run on activation if the failure persists.

**Recommended Action:** No action is required – this message is for information only.

**EVENT\_ACTION\_FINISHED\_PAST\_EXPECTED:** Event handler action %s finished running, but ran longer than expected.

**Severity:** Warning

**Explanation:** Event handler action has finished, but took longer to run than the expected action timeout.

**Recommended Action:** No action is required – this message is for information only.

**EVENT\_ACTION\_RUNNING\_PAST\_EXPECTED:** Event handler action %s with PID %d is running longer than expected.

**Severity:** Warning

**Explanation:** Currently running event handler action is running longer than the expected action timeout.

**Recommended Action:** Speed up the action or increase the timeout.

**EVENT\_TRIGGERED:** Event handler %s was activated

**Severity:** Info

**Explanation:** Event handler actions are configured from Cli to run when certain conditions are met. To see currently configured event handlers run 'show event-handler' from enabled mode.

**Recommended Action:** No action is required – this message is for information only.

**KERNEL\_PANIC:** Reboot due to kernel panic

**Severity:** Error

**Explanation:** The system rebooted due to a kernel panic.

**Recommended Action:** This may indicate a serious hardware or software problem. Contact your customer support representative.

**LOGMSG\_ALERT:** Message from %s on %s (%s): %s

**Severity:** Alert

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_CRIT:** Message from %s on %s (%s): %s

**Severity:** Critical

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_DBG:** Message from %s on %s (%s): %s

**Severity:** Debug

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_EMRG:** Message from %s on %s (%s): %s

**Severity:** Emergency

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_ERR:** Message from %s on %s (%s): %s

**Severity:** Error

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_INFO:** Message from %s on %s (%s): %s

**Severity:** Info

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_NOTICE:** Message from %s on %s (%s): %s

**Severity:** Notice

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**LOGMSG\_WARN:** Message from %s on %s (%s): %s

**Severity:** Warning

**Explanation:** As a result of 'send log' command from the CLI.

**Recommended Action:** No action is required – this message is for information only.

**PLUGIN\_LOAD\_FAILED:** Unable to load plugin %s, %s

**Severity:** Error

**Explanation:** A plugin could not be loaded. The functionality provided by the plugin is not available. Please check the plugin and restart the agent if necessary.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**RESTART\_SERVICE:** Service %s is not running. Attempting to restart it.

**Severity:** Warning

**Explanation:** Periodic health monitoring found that the said service was not running, and attempted to restart it.

**Recommended Action:** Check if there is a resource conflict which prevents the said service from running. For example, the same TCP listener port may have been allocated to more than one service.

**SCHEDULED\_RELOAD\_FAILED:** Reload scheduled to occur at %s failed %s

**Severity:** Error

**Explanation:** An error occurred while trying to restart the system. Scheduled reload may not function properly

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**SSH\_HOST\_KEY\_REGENERATED:** SSH host keys associated with a different system (mac address %s). Regenerating SSH host keys.

**Severity:** Info

**Explanation:** Software has noticed that the SSH host keys on this system are associated with the mac address of a different system. This can happen in a modular system when a supervisor is moved to a different chassis. New SSH host keys have been generated for the system.

**Recommended Action:** No action is required – this message is for information only.

**SYSTEM\_RESTARTED:** System restarted

**Severity:** Notice

**Explanation:** The system has restarted

**Recommended Action:** No action is required – this message is for information only.

**SYSTEM\_WARMUP\_FAILED:** System warmup after cli configuration by %s on %s (%s) failed

**Severity:** Notice

**Explanation:** The system is taking a long time to warm up after the last configuration request from the Cli. This may mean an unusually large configuration change was requested from the Cli, which resulted in prolonged processing by the switching software.

**Recommended Action:** No action is needed. However avoid loading the switch with large amount of configuration changes in quick succession.

## 2.54 SYSDB Messages

**STARTUP\_CONFIG\_ERROR:** Unable to load initial configuration (code %d)

**Severity:** Emergency

**Explanation:** Error occurred while loading the initial system configuration. Exiting.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**STARTUP\_CONFIG\_PARSE\_ERROR:** Errors encountered in parsing the startup-config

**Severity:** Notice

**Explanation:** One or more errors were encountered while parsing the startup-config due to invalid, incomplete and/or unavailable commands.

**Recommended Action:** Please run 'show startup-config errors' to look at the exact error(s) and fix them in the startup-config.

**STARTUP\_CONFIG\_TIMEOUT:** Timed out loading initial configuration

**Severity:** Emergency

**Explanation:** Loading the initial system configuration took longer than 60000 seconds.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

## 2.55 TAPAGG Messages

**OPERATIONAL\_MODE:** Tap aggregation %s

**Severity:** Info

**Explanation:** Tap aggregation feature is enabled or disabled. Some features and/or ports may be disabled if their configuration is not compatible with the current tap aggregation mode. In exclusive mode the layer2/layer3 protocols may not work as expected

**Recommended Action:** No action is required – this message is for information only.

## 2.56 TCP Messages

**BADAUTH:** Invalid/Unexpected/No MD5 digest from %s(%d) to %s(%d)

**Severity:** Notice

**Explanation:** Passwords of BGP peers are not identical

**Recommended Action:** Make sure that passwords, if configured, are configured on both peers, and that they are identical.

## 2.57 TRANSCEIVER Messages

**DISABLED:** The transceiver for interface %s has been disabled because it is not qualified. (manufacturer %s model %s serial number %s)

**Severity:** Error

**Explanation:** The transceiver is not qualified. It has been disabled.

**Recommended Action:** Replace the transceiver with a qualified one.

**EEPROMREADFAILED:** Timeout while trying to read ID EEPROM for transceiver %s

**Severity:** Error

**Explanation:** The switch was unable to identify a newly discovered transceiver by reading its ID EEPROM. Information about the transceiver is unavailable, and the port can not be brought up.

**Recommended Action:** Try re-inserting the transceiver. If the problem persists, contact your technical support representative.

**SPEED\_UNSUPPORTED:** The transceiver for interface %s is speed %dG, which the interface does not support.

**Severity:** Error

**Explanation:** The transceiver is a speed which the interface does not support.

**Recommended Action:** Replace the transceiver with one which is 10G or 40G.

**UNLOCK\_METHOD\_OBSOLETE:** Obsolete transceiver unlock method ignored.

**Severity:** Warning

**Explanation:** An obsolete transceiver unlock method is configured on the switch.

**Recommended Action:** Disable the obsolete transceiver unlock method.

## 2.58 VM Messages

**SERVICE\_FAILED:** Failed to start the virtual machine service

**Severity:** Error

**Explanation:** Failed to start the virtual machine service. Configured virtual machines may not be running properly.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.



## 2.59 VMTRACERSESS Messages

**ADD\_VMENTRY:** VM %s nic %s mac %s portgroup %s vlan %s switch %s host %s datacenter %s intf %s

**Severity:** Info

**Explanation:** A new VM has been added to the VM Tracer database

**Recommended Action:** No action is required – this message is for information only.

**DEL\_VMENTRY:** VM %s nic %s mac %s portgroup %s vlan %s switch %s host %s datacenter %s intf %s

**Severity:** Info

**Explanation:** VM has been deleted from VM Tracer database

**Recommended Action:** No action is required – this message is for information only.

**RESTART\_CONFIG:** Agent restart due to configuration change

**Severity:** Info

**Explanation:** VmTracerSess agent is restarting due to configuration change

**Recommended Action:** No action is required – this message is for information only.

## 2.60 VMWAREVI Messages

**AGENT\_RESTART:** Agent restarting due to network error.

**Severity:** Error

**Explanation:** This error indicates that there was loss of connectivity after a session was successfully established and the agent is restarting.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**COMMUNICATION\_ERROR:** Loss of connectivity to vCenter.

**Severity:** Error

**Explanation:** This error indicates that there was loss of connectivity after a session was successfully established with vCenter.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CONNECT\_FAILED:** Failed to connect to vCenter. %s

**Severity:** Error

**Explanation:** This error indicates that the VMware VDS agent could not connect to vCenter.

**Recommended Action:** Check the configured URL in vmware vswitch session configuration and verify network connectivity to vCenter.

**LOGIN\_ERROR:** Login to vCenter failed. %s

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent could not login to vCenter using the configured username and password

**Recommended Action:** Check the configured credentials in the VMware vSwitch session configuration.

**RPC\_FAULT:** The RPC %s failed.

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent could not complete the RPC call to vCenter.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**VMOTION\_END:** VM %s migrated to %s.

**Severity:** Info

**Explanation:** Vmotion completed on the VM

**Recommended Action:** No action is required – this message is for information only.

**VMOTION\_STARTED:** VM %s in vmotion from %s to %s.

**Severity:** Info

**Explanation:** Vmotion triggered on the VM

**Recommended Action:** No action is required – this message is for information only.

## 2.61 VMWAREVS Messages

**CONNECTION\_FAILED:** Failed to connect to VShield Manager.

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent could not connect to VShield Manager.

**Recommended Action:** Check the configured URL in VM Tracer session configuration and verify network connectivity to VShield Manager.

**LOGIN\_ERROR:** Login to VShield Manager failed.

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent could not login to VShield Manager using the configured username and password.

**Recommended Action:** Check the configured credentials in the VM Tracer session configuration.

**REST\_FAULT:** The REST request %s failed.

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent could not complete the REST request to VShield Manager.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**SERVER:** VM Tracer detected an internal error in VShield Manager.

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent did not get a timely response to a request of VShield Manager. Check the health of the VShield Manager server.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**XML\_FAULT:** Unable to process XML from the REST request %s.

**Severity:** Error

**Explanation:** This error indicates that the VM Tracer agent could not process the xml returned from REST request of VShield Manager.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.62 VRF Messages

**CREATED:** VRF %s has been created with network namespace %s

**Severity:** Info

**Explanation:** The VRF instance has been successfully instantiated and The is now active.

**Recommended Action:** No action is required – this message is for information only.

**CREATE\_RETRY:** Another attempt to create network namespace %s for VRF %s will be made

**Severity:** Warning

**Explanation:** The network namespace corresponding to the VRF could not be created. Another attempt to create the network namespace will be made.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**DELETED:** VRF %s has been deleted

**Severity:** Info

**Explanation:** The VRF instance has been successfully deleted.

**Recommended Action:** No action is required – this message is for information only.

**DELETE\_RETRY:** Another attempt to delete the network namespace %s for VRF %s will be made

**Severity:** Warning

**Explanation:** The network namespace corresponding to the VRF could not be deleted. Another attempt to delete the network namespace will be made.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**NS\_DELETED:** Unexpected error in VRF %s

**Severity:** Error

**Explanation:** The network namespace corresponding to the VRF instance has been deleted unexpectedly. It will be recreated automatically.

**Recommended Action:** No action is required – this message is for information only.

**STUCK\_PROCESS:** Process %s (pid %d) is still using the namespace for VRF %s, %s

**Severity:** Warning

**Explanation:** The process with the listed pid has not exited and is thus preventing the namespace for the VRF from being removed.

**Recommended Action:** No action is required – this message is for information only.

## 2.63 VRRP Messages

**ADDRESS\_INCOMPATIBLE:** VRRP MAC address %s in VLAN %s is incompatible with the most significant bytes of the currently programmed addresses %s. Addresses may only vary in the lower 3 bits.

**Severity:** Error

**Explanation:** VRRP MAC addresses may only differ in the lower 3 bits.

**Recommended Action:** Remove the incompatible VRRP groups.

**ADDRESS\_RECOVERED:** Successfully programmed VRRP MAC address %s in VLAN %s that was previously unable to fit in hardware.

**Severity:** Error

**Explanation:** Successfully programmed VRRP MAC address that previously was unable to fit in hardware.

**Recommended Action:** No action is required – this message is for information only.

**AND\_VARP\_CONFIGURATION\_CONFLICTING:** VRRP configuration will be ignored because VARP is configured.

**Severity:** Error

**Explanation:** VRRP and VARP cannot be configured at the same time.

**Recommended Action:** Remove either the VRRP or VARP configuration.

**AND\_VARP\_CONFIGURATION\_NO\_LONGER\_CONFLICTING:** %s configuration now in effect because %s was deconfigured.

**Severity:** Error

**Explanation:** VRRP and VARP configuration no longer conflicting.

**Recommended Action:** No action is required – this message is for information only.

**BFD\_EVENT:** %s Grp %d Taking over %s and transitioning to master

**Severity:** Notice

**Explanation:** The VRRP router is transitioning to master because the BFD session goes down

**Recommended Action:** No action is required – this message is for information only.

**BFD\_MISMATCH:** %s Grp %d Bfd peer %s does not match master's address %s

**Severity:** Warning

**Explanation:** The Bfd peer configured in Cli does not match the master's Ip address in advertisement

**Recommended Action:** No action is required – this message is for information only.

**CONFIGURED\_ADDRESSES\_COMPATIBLE:** VRRP configuration is now compatible with hardware.

**Severity:** Error

**Explanation:** VRRP configuration is now compatible with hardware.

**Recommended Action:** No action is required – this message is for information only.

**CONFIGURED\_ADDRESSES\_INCOMPATIBLE:** Configured VRRP groups result in the following incompatible addresses: %s. Addresses may only vary in the lower 3 bits.

**Severity:** Error

**Explanation:** VRRP MAC addresses may only differ in the lower 3 bits.

**Recommended Action:** Remove the incompatible VRRP configuration.

**INCOMPATIBLE\_WITH\_VARP:** Ignoring VRRP MAC address %s in VLAN %s because VARP is configured.

**Severity:** Error

**Explanation:** VRRP and VARP cannot be configured at the same time.

**Recommended Action:** Remove either the VRRP or VARP configuration.

**STATECHANGE:** %s Grp %d state %s -> %s

**Severity:** Notice

**Explanation:** The VRRP router has changed state.

**Recommended Action:** No action is required – this message is for information only.

**UNPROGRAMMED\_ADDRESS\_NO\_LONGER\_CONFIGURED:** No longer need to program VRRP MAC address %s in VLAN %s that was previously unable to fit into hardware.

**Severity:** Error

**Explanation:** No longer need to program VRRP MAC address that was previously unable to fit into hardware.

**Recommended Action:** No action is required – this message is for information only.

## 2.64 VXLAN Messages

**HW\_FLOOD\_RESOURCE\_FAILED:** Internal failure %d detected while programming vxlan multicast tunnels %s.

**Severity:** Error

**Explanation:** The switch is unable to program all multicast tunnels due to internal failure. When the switch is unable to program multicast tunnels due to internal failure, it may drop certain packets in order to avoid potential routing loops in the network.

**Recommended Action:** To solve this issue, one can shut and no shut interface vxlan.If the problem still persists, reconfigure the interface vxlan configuration.

**HW\_FLOOD\_RESOURCE\_FULL:** Hardware resources are insufficient to program all vxlan multicast tunnels.

**Severity:** Error

**Explanation:** The switch is unable to program all multicast tunnels due to insufficient hardware resources. When the switch is unable to program multicast tunnels due to insufficient hardware resources, it may drop certain packets in order to avoid potential routing loops in the network.

**Recommended Action:** To solve this issue, reduce the number of vxlan in the system, followed by shut and no shut of interface vxlan.

**HW\_RESOURCE\_CONFLICT:** Vxlan hardware resources are already in use for IP NAT.

**Severity:** Error

**Explanation:** The switch encountered resource conflict between IP NAT and Vxlan features. It will not be able to support both Vxlan and IP NAT at the same time.

**Recommended Action:** To solve this issue, remove both IP NAT and Vxlan on the switch and reconfigure only vxlan. Please contact your technical support representative if you need additional assistance.

**VTEP\_DEFAULT\_ENTRY\_HW\_RESOURCE\_FULL:** VXLAN initialization failed due to insufficient hardware resources

**Severity:** Error

**Explanation:** The switch is unable to initialize VXLAN in hardware, so VXLAN forwarding may not work as expected.

**Recommended Action:** This is a serious error. Contact your customer support representative with the contents of the message, and plan to be unable to use the system until the problem has been solved.

**VTEP\_MIRROR\_HW\_RESOURCE\_FULL:** Mirroring hardware resources are insufficient to program default vtep learning entry.

**Severity:** Error

**Explanation:** The switch is unable to program mirroring session for the default vtep learning entry. When the switch is unable to program this default entry, it will not be able to learn the remote vtep's or the remote mac addresses dynamically. Only statically configured remote vtep's and remote mac addresses work.

**Recommended Action:** To solve this issue, remove a mirroring session on the switch and reconfigure the vxlan. Please contact your technical support representative if you need additional assistance.

## 2.65 XMPP Messages

**CLIENT\_AUTHEN\_FAIL:** Authentication failure connecting to %s:%s

**Severity:** Error

**Explanation:** The authentication credentials provided are rejected by the configured XMPP server.

**Recommended Action:** Confirm the authentication credentials configured for the XMPP server are correct by checking with your server administrator.

**CLIENT\_CONNECTED:** Connected to %s:%s with JID %s

**Severity:** Info

**Explanation:** The XMPP client is connected to the named server using the specified Jabber ID (JID)

**Recommended Action:** No action is required – this message is for information only.

**CLIENT\_DISCONNECTED:** Connection to %s:%s closed

**Severity:** Info

**Explanation:** The connection between XMPP client and server closed

**Recommended Action:** No action is required – this message is for information only.

**DNS\_LOOKUP\_FAILURE:** DNS lookup for XMPP server %s failed: %s

**Severity:** Error

**Explanation:** There was a problem resolving the XMPP server host name using the DNS.

**Recommended Action:** Confirm the XMPP server hostname exists in the DNS, that your switch has DNS name servers configured, and that they are reachable.

**GROUP\_FORBIDDEN:** Forbidden from joining switch group %s by server %s:%s

**Severity:** Error

**Explanation:** The XMPP server has explicitly banned this switch from joining the switch group

**Recommended Action:** Check with the XMPP multi-user chat room (switch group) owner as to why they have banned this switch.

**GROUP\_NOT\_AUTHORIZED:** Incorrect password for switch group %s

**Severity:** Error

**Explanation:** The XMPP server did not authorize the XMPP client to join the switch group. Configure the correct password on the switch group for the group named in the error

**Recommended Action:** Check with the XMPP multi-user chat room (switch group) owner what the password should be, and configure that under 'management xmpp' on the appropriate 'switch-group' line

**GROUP\_REGISTRATION\_REQUIRED:** Members-only switch-group %s requires pre-registration

**Severity:** Error

**Explanation:** The switch group is configured members-only, and this switch is not on the member list. The owner must add the switch to the member list.

**Recommended Action:** Contact the XMPP multi-user chat room (switch group) owner and ask to have this switch added to the room member list



## 2.66 ZTP Messages

**CANCEL:** Cancelling Zero Touch Provisioning

**Severity:** Notice

**Explanation:** Zero Touch Provisioning was cancelled at the CLI. The system will reboot with Zero Touch disabled.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_DOWNLOAD:** Attempting to download the startup-config from %s

**Severity:** Notice

**Explanation:** Zero Touch Provisioning is attempting to download the startup-config or a config script from the URL specified in the received DHCP response. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_DOWNLOAD\_FAIL:** Failed to download the startup-config from %s. Error: %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to download the startup-config or a config script from the URL specified in the received DHCP response. Check the URL specified in the DHCP response. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CONFIG\_DOWNLOAD\_SUCCESS:** Successfully downloaded %s from %s

**Severity:** Notice

**Explanation:** Zero Touch Provisioning successfully downloaded the startup-config or a config script from the URL specified in the received DHCP response.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_DOWNLOAD\_TIMEOUT:** Timed out trying to download the startup-config or a config script from %s after %u seconds

**Severity:** Warning

**Explanation:** Zero Touch Provisioning timed out trying to download the startup-config or a config script from the URL specified in the received DHCP response. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**DHCP\_QUERY:** Sending DHCP request on %s

**Severity:** Notice

**Explanation:** Zero Touch Provisioning is trying to discover a DHCP server on the network. Zero Touch Provisioning will only accept a DHCP response with a valid DHCP option 67 present. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**DHCP\_QUERY\_FAIL:** Failed to get a valid DHCP response

**Severity:** Notice

**Explanation:** Zero Touch Provisioning failed to get a DHCP response with a valid DHCP option 67 answer from a server on the network. Check your DHCP server for proper Zero Touch Provisioning configuration. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**DHCP\_SUCCESS:** DHCP response received on %s

**Severity:** Notice

**Explanation:** Zero Touch Provisioning successfully received a DHCP response with a valid DHCP option 67 present from a server on the network.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_SCRIPT:** Executing the downloaded config script

**Severity:** Notice

**Explanation:** Zero Touch Provisioning is executing the downloaded config script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_SCRIPT\_FAIL:** Config script exited with an error. Error code: %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to execute the downloaded config script. This usually indicates a problem executing the config script or the config script exiting with a non zero return code.

**Recommended Action:** Check the config script for any errors. If the problem persists, contact your support representative. Otherwise, no action is required.

**EXEC\_SCRIPT\_SIGNALED:** Config script exited with an uncaught signal. Signal code: %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to execute the downloaded config script. This usually indicates a problem executing the config script.

**Recommended Action:** Check the config script for any errors. If the problem persists, contact your support representative. Otherwise, no action is required.

**EXEC\_SCRIPT\_SUCCESS:** Successfully executed the downloaded config script

**Severity:** Notice

**Explanation:** Zero Touch Provisioning successfully executed the downloaded config script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_SCRIPT\_TIMEOUT:** Timed out executing the downloaded config script after %u seconds

**Severity:** Warning

**Explanation:** Zero Touch Provisioning timed out after waiting long enough for the downloaded config script to complete execution. This usually indicates a problem with the config script.

**Recommended Action:** Check the config script for any errors. If the problem persists, contact your support representative. Otherwise, no action is required.

**INIT:** No startup-config found, starting Zero Touch Provisioning

**Severity:** Notice

**Explanation:** No startup-config was found on flash, the system has entered Zero Touch Provisioning mode and is actively trying to download the startup-config from a remote system. To cancel Zero Touch Provisioning, type `zerotouch cancel` at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**INTERFACE\_SPEED:** Setting interface speed to %s for %s

**Severity:** Notice

**Explanation:** Set the global speed on all capable interfaces.

**Recommended Action:** No action is required – this message is for information only.

**RELOAD:** Rebooting the system

**Severity:** Notice

**Explanation:** Zero Touch Provisioning is rebooting the system after either a successful configuration of the system or because Zero Touch Provisioning was cancelled at the CLI

**Recommended Action:** No action is required – this message is for information only.

**RETRY:** Retrying Zero Touch Provisioning from the beginning (attempt %d)

**Severity:** Notice

**Explanation:** Zero Touch Provisioning is retrying from the beginning. To cancel Zero Touch Provisioning, type `zerotouch cancel` at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**STARTUP\_FILE\_SYNC\_FAIL:** Failed to Synchronize the startup-config file with the standby

**Severity:** Notice

**Explanation:** rebooting the Active and Standby.

**Recommended Action:** No action is required – this message is for information only.

**STARTUP\_FILE\_SYNC\_TIMEOUT:** Waiting on File Replicator to synchronize the startup-config

**Severity:** Notice

**Explanation:** with the Standby.

**Recommended Action:** No action is required – this message is for information only.