



---

## **EOS System Message Guide**

---

**Software Release 4.30.4M**

**November 9, 2023**

# Contents

<b>1</b>	<b>System Message Overview</b>	<b>1</b>
1.1	Message Format . . . . .	1
1.2	Severity Levels . . . . .	2
<b>2</b>	<b>System Messages</b>	<b>3</b>
2.1	AAA Messages . . . . .	3
2.2	ACCOUNTING Messages . . . . .	8
2.3	ACE Messages . . . . .	9
2.4	ACL Messages . . . . .	10
2.5	AGENT Messages . . . . .	12
2.6	ALARM Messages . . . . .	14
2.7	ARP Messages . . . . .	15
2.8	ASPATH Messages . . . . .	16
2.9	BFD Messages . . . . .	17
2.10	BFN Messages . . . . .	19
2.11	BGP Messages . . . . .	26
2.12	BIDIR Messages . . . . .	36
2.13	CAPACITY Messages . . . . .	37
2.14	CAPI Messages . . . . .	38
2.15	CARD Messages . . . . .	39
2.16	CFM Messages . . . . .	40
2.17	CLEAR Messages . . . . .	42
2.18	CLOCK Messages . . . . .	43
2.19	CONTAINERMGR Messages . . . . .	44
2.20	CPLD Messages . . . . .	45
2.21	CPU Messages . . . . .	46
2.22	CSPF Messages . . . . .	47
2.23	CVX Messages . . . . .	48
2.24	DATAPLANE Messages . . . . .	53
2.25	DHCP Messages . . . . .	56
2.26	DHCPRELAY Messages . . . . .	57
2.27	DIRECTFLOW Messages . . . . .	58
2.28	DMF Messages . . . . .	59
2.29	DOT1X Messages . . . . .	60
2.30	DUPLICATE Messages . . . . .	64
2.31	DYN Messages . . . . .	65
2.32	ENVMON Messages . . . . .	66
2.33	EOAM Messages . . . . .	72
2.34	EOS Messages . . . . .	73
2.35	ETH Messages . . . . .	74
2.36	EVENTMON Messages . . . . .	80
2.37	EVPN Messages . . . . .	81
2.38	EXTENSION Messages . . . . .	84

2.39	FABRIC Messages	86
2.40	FHRP Messages	87
2.41	FLOW Messages	88
2.42	FLOWCONTROL Messages	89
2.43	FLowsPEC Messages	90
2.44	FLowTRACKING Messages	91
2.45	FPGA Messages	92
2.46	FPGASWITCH Messages	93
2.47	FRU Messages	94
2.48	FWK Messages	98
2.49	GMP Messages	99
2.50	HARDWARE Messages	100
2.51	HEALTH Messages	117
2.52	IGMP Messages	118
2.53	IGMPSNOOPING Messages	119
2.54	INCOMPATIBLE Messages	120
2.55	INTF Messages	121
2.56	IP6 Messages	122
2.57	IP6ROUTING Messages	123
2.58	IPRIB Messages	126
2.59	IPSEC Messages	127
2.60	IPV6 Messages	128
2.61	IRA Messages	129
2.62	ISIS Messages	130
2.63	KERNELFIB Messages	131
2.64	L1PROFILE Messages	132
2.65	L1SOURCE Messages	133
2.66	LACP Messages	134
2.67	LAG Messages	136
2.68	LAUNCHER Messages	138
2.69	LAYER1MONITOR Messages	139
2.70	LDP Messages	143
2.71	LICENSE Messages	144
2.72	LINEPROTO Messages	145
2.73	LLDP Messages	146
2.74	LOADBALANCE Messages	147
2.75	LOGMGR Messages	149
2.76	LOOPBACK Messages	150
2.77	LOOPPROTECT Messages	151
2.78	MACSEC Messages	152
2.79	MAPREDUCEMONITOR Messages	153
2.80	MATCH Messages	154
2.81	MAX24305 Messages	155
2.82	MCS Messages	156
2.83	MESSAGE Messages	157
2.84	MGMTSECURITY Messages	158
2.85	MIRRORING Messages	159
2.86	MKA Messages	161
2.87	MLAG Messages	163
2.88	MLD Messages	166
2.89	MLDSNOOPING Messages	167
2.90	MMODE Messages	168
2.91	MPLS Messages	169
2.92	MPLSUTILS Messages	170
2.93	MROUTE Messages	171

---

2.94	MRP Messages	172
2.95	MSDP Messages	173
2.96	MSRP Messages	174
2.97	MULTIHOMING Messages	176
2.98	MVRP Messages	177
2.99	NAT Messages	178
2.100	OPENFLOW Messages	182
2.101	OSPF Messages	184
2.102	OSPF3 Messages	187
2.103	PACKAGE Messages	189
2.104	PBR Messages	190
2.105	PCAP Messages	191
2.106	PFC Messages	192
2.107	PHY Messages	194
2.108	PIM Messages	195
2.109	PIMBSR Messages	197
2.110	PM853X Messages	198
2.111	POE Messages	199
2.112	POLICING Messages	200
2.113	POLICY Messages	201
2.114	PORTSECURITY Messages	202
2.115	PREFIX Messages	203
2.116	PREFIXLIST Messages	204
2.117	PROCESS Messages	205
2.118	PROCMGR Messages	206
2.119	PTP Messages	211
2.120	PW Messages	214
2.121	PWRMGMT Messages	215
2.122	QOS Messages	216
2.123	QUARTZY Messages	219
2.124	QUEUEMONITOR Messages	220
2.125	RADIUS Messages	221
2.126	RCF Messages	222
2.127	RECOVERY Messages	223
2.128	REDUNDANCY Messages	224
2.129	RIB Messages	226
2.130	ROUTING Messages	228
2.131	RPKI Messages	234
2.132	RSVP Messages	235
2.133	SAND Messages	237
2.134	SANACL Messages	257
2.135	SANDIPSEC Messages	259
2.136	SANDMACT Messages	260
2.137	SANDOAM Messages	261
2.138	SECUREBOOT Messages	262
2.139	SECURITY Messages	263
2.140	SERVERMONITOR Messages	269
2.141	SERVERPROBE Messages	270
2.142	SFE Messages	271
2.143	SFLOW Messages	272
2.144	SPANTREE Messages	274
2.145	SRP2MP Messages	278
2.146	SRTE Messages	280
2.147	SRV6 Messages	281
2.148	SSO Messages	282

---

2.149	STAGEMGR Messages	283
2.150	STORAGEDEVICE Messages	284
2.151	STORM Messages	285
2.152	STRATA Messages	286
2.153	STRATANAT Messages	304
2.154	STRATAQOS Messages	306
2.155	STUN Messages	307
2.156	SUBINTERFACE Messages	308
2.157	SYNCE Messages	309
2.158	SYS Messages	310
2.159	SYSDB Messages	317
2.160	SZTP Messages	318
2.161	TAPAGG Messages	323
2.162	TCAM Messages	324
2.163	TCP Messages	325
2.164	TCPAO Messages	326
2.165	TRAFFICPOLICY Messages	327
2.166	TRANSCIEVER Messages	329
2.167	TUNNEL Messages	333
2.168	TUNNELINTF Messages	334
2.169	UCMP Messages	335
2.170	UNEXPECTED Messages	336
2.171	UNKNOWN Messages	337
2.172	UNSUPPORTED Messages	338
2.173	UPDATE Messages	339
2.174	UPRF Messages	340
2.175	VLAN Messages	341
2.176	VMTRACERSESS Messages	342
2.177	VMWAREVI Messages	343
2.178	VMWAREVS Messages	344
2.179	VNI Messages	345
2.180	VPLS Messages	346
2.181	VRF Messages	347
2.182	VRFLEAK Messages	348
2.183	VRRP Messages	349
2.184	VXLAN Messages	351
2.185	VXLANSEC Messages	356
2.186	XMPP Messages	357
2.187	ZTP Messages	358

# 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' for user %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).

**AUTHEN\_UNEXPECTED\_MESSAGE:** Unexpected message for login service '%s' user '%s' (%s)

**Severity:** Error

**Explanation:** AAA received unexpecte message for authentication

**Recommended Action:** AAA server should only ask for username/password

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

**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\_PERSISTENT\_FILE\_ERROR:** A problem occurred setting up persistent file links in the home directory for user %s (errors: %d)

**Severity:** Warning

**Explanation:** AAA creates links in user's home directory pointing to persistent files under flash:/home/<user> when a user logs in. A problem occurred during this process, and the user's home directory may not have created all links to the persistent files.

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

**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.

**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\_RULE:** Invalid rule '%s' for RADIUS user '%s'

**Severity:** Error

**Explanation:** The configuration file on RADIUS server contains invalid rules.

**Recommended Action:** Correct the invalid rules on RADIUS server.

**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\_LDAP\_SERVERS:** No valid LDAP servers for method list '%s'

**Severity:** Error

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

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

**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.

**SSHDIR\_FILESYSTEM\_ERROR:** Error generating ssh %s at path %s (%s)

**Severity:** Error

**Explanation:** An attempt to create a file in the ssh directory failed because of a filesystem error.

**Recommended Action:** Check to see if the filesystem 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.

**USERINFO\_IO\_ERROR:** Error generating user info file (%s)

**Severity:** Error

**Explanation:** An attempt to generate user info file failed because of a filesystem error.

**Recommended Action:** Check to see if the filesystem has run out of disk space. Contact TAC Support if this problem persists

**USER\_SESSION\_LIMIT:** User %s has reached maximum session limit (%d)

**Severity:** Error

**Explanation:** The user has reached its configured session limit under 'management accounts'.

**Recommended Action:** Investigate whether the user has logged in too many times. If the user is an automation account, check if the automation system is misbehaving.

## 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 ACE Messages

**ACTION\_NOT\_AVAILABLE:** The %s action configured in the %s policy map is not in the TCAM action set

**Severity:** Info

**Explanation:** A policy map action is not present in the configured TCAM action set. The corresponding rules will not be programmed in the TCAM. Remove the action from the policy map or add the action to the TCAM action set.

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

## 2.4 ACL Messages

**ACTIVE\_ON\_INTERFACE:** All ACLs applied on %s are now in effect

**Severity:** Warning

**Explanation:** All ACLs are applied to the interface successfully

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

**COMPUTATION\_FAILED:** Computing resources to program ACLs failed (%s).

**Severity:** Error

**Explanation:** The switch is unable to program the ACLs into hardware due to insufficient hardware resources. The ACL will not be active.

**Recommended Action:** Reconfigure your ACLs to reduce the resource usage

**COMPUTATION\_SUCCESS:** Computing resources to program ACLs succeeded (%s).

**Severity:** Info

**Explanation:** The switch has successfully programmed ACLs into hardware. The ACLs are now active.

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

**DISCONTIG\_MASK:** ACL with unsupported discontinuous mask (%s)

**Severity:** Warning

**Explanation:** The switch is unable to enforce this rule. It will be ignored.

**Recommended Action:** Reconfigure the ACL to use contiguous masks.

**EGRESS\_LOGGING\_NOT\_SUPPORTED:** Egress ACL logging is not supported

**Severity:** Warning

**Explanation:** This hardware platform does not support egress ACL logging. ACL rules with log actions are still applied to the interface without logging functionality

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

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all ACLs (%s)

**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 (%s)

**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:** %slist %s %s %s %s %s -> %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:** %slist %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.

**IPACCESS2:** %slist %s%s %s %s

**Severity:** Notice

**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\_ERACL\_ROUTEDPORT:** The IPv6 Egress ACL that was applied to interface %s will now be installed

**Severity:** Info

**Explanation:** IPv6 Egress ACLs on routed ports are supported. Since the interface has become a routed port, the previously configured IPv6 Egress ACL will now be installed

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

**IPV6\_ERACL\_SWITCHPORT:** The IPv6 Egress ACL applied to switchport %s will not be installed until the switchport is converted to a routed port

**Severity:** Info

**Explanation:** IPv6 Egress ACLs on switch (non-routed) ports are not yet supported but the user configuration will be stored. The ACL will become active when the interface is changed to a routed interface

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

**IPV6\_RACL\_DSCP:** IPv6 ACLs with DSCP will not be applied to VLAN interfaces

**Severity:** Info

**Explanation:** This platform does not support the application of IPv6 ACLs with DSCP to VLAN interfaces

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

**MACACCESS:** list %s %s %s %s %s -> %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.

**NOT\_ACTIVE\_ON\_INTERFACE:** One or more ACLs not in effect on interface %s

**Severity:** Warning

**Explanation:** The ACL is not applied on the interface due to contention with other ACLs applied on the same interface. The action is performed based on the priority of different types of ACLs as specified in the ACL limitation policy on the platform

**Recommended Action:** Remove contending ACLs applied on this interface

**SUBINTF\_UNSHARED\_NOT\_SUPPORTED:** IPv4 egress ACLs are not supported on subinterfaces (%s) in unshared mode

**Severity:** Info

**Explanation:** The user configuration will be stored. The ACL will become active when the egress ACL sharing mode is changed to share resources

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

**UNSUPPORTED\_HARDWARE:** ACL ( %s ) cannot be applied on %s.

**Severity:** Error

**Explanation:** The named ACL is not programmed on the named device because ACLs are not supported on the device.

**Recommended Action:** Remove ACLs from interfaces on the named device.

**WITH\_MIRROR\_ACTION\_UNSUPPORTED:** Mirror action is unsupported on %s %s %s ACL.

**Severity:** Error

**Explanation:** ACL with mirror action is used on a switch where it is not supported.

**Recommended Action:** Remove mirror action from ACL.

## 2.5 AGENT Messages

**DELETE\_RETRY:** Another attempt to delete the agent %s in the VRF %s will be made (%s)

**Severity:** Warning

**Explanation:** The agent in the VRF could not be deleted. Another attempt to delete the agent will be made.

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

**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).

**INITIALIZED:** Agent '%s' initialized; pid=%d

**Severity:** Info

**Explanation:** The specified agent has initialized, and is using the specified process ID.

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

**MEMORY\_RECLAIM:** Agent reclaimed %u bytes of unused pages in the slab allocator and %u bytes from malloc%s.

**Severity:** Info

**Explanation:** The agent reacted to 'agent NAME memory reclaim now' and reclaimed unused memory.

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

**PYTHON\_LOADED:** Python loaded in agent %s

**Severity:** Notice

**Explanation:** Python libraries were loaded in the agent's memory to support functionality. This message is logged to indicate the use of additional memory by the process.

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

**SHADOW\_CORRUPTION\_HITFUL\_RESTART:** SandTopo agent detected shadow memory corruption

**Severity:** Error

**Explanation:** The agent detected shadow memory corruption while initializing.

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

**SHADOW\_CORRUPTION\_HITLESS\_RELOAD:** SandTopo agent detected shadow memory corruption

**Severity:** Error

**Explanation:** The agent detected shadow memory corruption while reloading. A fatal error is generated, and a hitful reload will ensue.

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

**SHADOW\_CORRUPTION\_HITLESS\_RESTART:** SandTopo agent detected shadow memory corruption

**Severity:** Error

**Explanation:** The agent detected shadow memory corruption while restarting. The restart is not hitless.

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

**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.

**STARTUP\_FAILED:** %s agent failed to start in %s seconds due to: %s.

**Severity:** Error

**Explanation:** The agent could not be started.

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

**STARTUP\_SUCCEEDED:** %s agent started successfully.

**Severity:** Info

**Explanation:** The agent has started successfully.

**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.

## 2.6 ALARM Messages

**ASSERTED:** Alarm %d asserted. Description: %s. Polarity: %s.

**Severity:** Info

**Explanation:** External alarm asserted

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

**DEASSERTED:** Alarm %d deasserted. Description: %s. Polarity: %s.

**Severity:** Info

**Explanation:** External alarm deasserted

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

## 2.7 ARP Messages

**CACHE\_CAPACITY\_NORMAL:** The %s neighbor cache for %s has dropped below its configured capacity for %s entries (%d)

**Severity:** Warning

**Explanation:** [ The system dropped below the configured capacity for the number of entries for the specified neighbor cache. It will resume caching additional neighbor address resolutions. ]

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

**CACHE\_CAPACITY\_REACHED:** The %s neighbor cache for %s has reached its configured capacity for %s entries (%d)

**Severity:** Warning

**Explanation:** [ The system reached the configured capacity for the number of entries in the specified neighbor cache. It will not cache additional neighbor address resolutions. ]

**Recommended Action:** [ To solve the issue, clear the specified neighbor cache of undesired entries. ]

**DUPLICATE\_ADDRESS\_WITH\_INTF:** A host on interface %s with MAC address %s and IP address %a is using an IP address configured on an interface in VRF %s

**Severity:** Warning

**Explanation:** The switch detected a host using an IP address that is configured on an interface on the switch.

**Recommended Action:** Please check the host IP address and IP address configurations of interfaces on the switch.

**RELOAD\_HITLESS\_NEIGHBOR\_STATE\_RESTITUTION\_TIMEOUT:** Failed to restore state for %d ARP and IPv6 Neighbor entries.

**Severity:** Warning

**Explanation:** This may result in some traffic disruption during the hitless reload.

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

## 2.8 ASPATH Messages

**ACCESS\_LIST\_IMPORT\_FAILED:** Failed to import ip as-path access-list %s from source %s. Possible reason: %s. Please check source validity.

**Severity:** Error

**Explanation:** An as-path access-list is set up with an import source URL to load its list of as-path access-list entries. The source is either a local file or a remote URL and must be available at the time of import. The entries in the file must conform to the as-path access-list entry syntax.

**Recommended Action:** Check the URL and content of the file

**ACCESS\_LIST\_IMPORT\_SUCCEEDED:** Imported ip as-path access-list %s from source %s.

**Severity:** Info

**Explanation:** An as-path access-list is set up with an import source URL to load its list of as-path access-list entries. The source is either a local file or a remote URL and must be available at the time of import. The entries in the file must conform to the as-path access-list entry syntax.

**Recommended Action:** No action required

## 2.9 BFD Messages

**HARDWARE\_ACCELERATION\_DISABLED:** Hardware accelerated BFD is disabled

**Severity:** Info

**Explanation:** Hardware accelerated BFD is enabled if it is supported on the system and if there are hardware acceleration eligible BFD sessions.

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

**HARDWARE\_ACCELERATION\_ENABLED:** Hardware accelerated BFD is enabled

**Severity:** Info

**Explanation:** Hardware accelerated BFD is enabled if it is supported on the system and if there are hardware acceleration eligible BFD sessions.

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

**HARDWARE\_RESOURCE\_FULL:** Hardware resource %s reached its maximum capacity of %d hardware accelerated BFD sessions

**Severity:** Info

**Explanation:** Maximum hardware BFD resource capacity was reached. Any other BFD session on this resource will not be hardware accelerated.

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

**HARDWARE\_RESOURCE\_NORMAL:** Next hardware acceleration eligible BFD session on resource %s may be hardware accelerated

**Severity:** Info

**Explanation:** Hardware resource can now accept hardware accelerated BFD sessions. The next eligible BFD session on this resource will be hardware accelerated.

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

**INCOMPATIBLE\_DETECT\_MULT:** Received a BFD detect multiplier from peer %s of %d, outside of the supported range of 3-50.

**Severity:** Notice

**Explanation:** Remote peer's BFD interval is out of the supported range of 3-50.

**Recommended Action:** No action required.

**INCOMPATIBLE\_ECHO\_RX\_INTERVAL:** Received a BFD echo rx interval from peer %s of %u milliseconds, outside of the supported range of 50-60000 milliseconds.

**Severity:** Notice

**Explanation:** Remote peer's BFD echo rx interval is outside of the supported range of 50-60000 milliseconds.

**Recommended Action:** No action required.

**INCOMPATIBLE\_MODE:** Received an incompatible BFD mode from peer %s (local BFD mode %s)

**Severity:** Warning

**Explanation:** Remote peer's BFD mode is incompatible with local BFD mode

**Recommended Action:** Please match the remote peer's BFD mode with local configuration

**INCOMPATIBLE\_RX\_INTERVAL:** Received a BFD rx interval from peer %s of %u milliseconds, outside of the supported range of 50-60000 milliseconds.

**Severity:** Notice

**Explanation:** Remote peer's BFD rx interval is outside of the supported range of 50-60000 milliseconds.

**Recommended Action:** No action required.

**INCOMPATIBLE\_TX\_INTERVAL:** Received a BFD tx interval from peer %s of %u milliseconds, outside of the supported range of 50-60000 milliseconds.

**Severity:** Notice

**Explanation:** Remote peer's BFD tx interval is outside of the supported range of 50-60000 milliseconds.

**Recommended Action:** No action required.

**INTERFACE\_NOENT:** Invalid BFD peer Request by protocol: %s for peer: %d. No such interface

**Severity:** Error

**Explanation:** A Bfd application has requested a Bfd peer add for an interface that does not exist

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

**IP\_CONFLICT:** Local IP address %s same as peer IP address for peer %s

**Severity:** Warning

**Explanation:** BFD session local IP address is the same as peer's IP address

**Recommended Action:** Please configure different local and peer IP addresses

**PER\_LINK\_CONFIG\_CHANGE:** Interface %s bfd per-link changed from %s to %s, peer sessions reconfigured

**Severity:** Notice

**Explanation:** Interface bfd per-link config changed, the BFD session was reconfigured to match new config

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

**PER\_LINK\_ECHO\_CONVERGED:** peer %s BFD per-link echo converged

**Severity:** Notice

**Explanation:** BFD per-link echo has converged on the specified port-channel. The peer system ready for SSO if other port-channels with BFD per-link echo have also converged.

**Recommended Action:** No action required

**PER\_LINK\_ECHO\_FAILED\_TO\_CONVERGE:** peer %s BFD per-link echo failed to converge in %d seconds

**Severity:** Warning

**Explanation:** BFD agent will continue attempting per-link echo converge. Currently the peer system is not ready for SSO

**Recommended Action:** To avoid BFD per-link flaps, hold off any planned SSO on the peer system until BFD per-link echo convergence. Please shutdown any unstable links in the port-channel. Please avoid round robin hashing policy at the peer side

**PER\_LINK\_ECHO\_INITIATED:** peer %s BFD per-link echo bringup initiated

**Severity:** Notice

**Explanation:** BFD per-link echo bringup initiated. Currently the peer system is not ready for SSO

**Recommended Action:** To avoid BFD per-link flaps, hold off any planned SSO on the peer system until BFD per-link echo convergence. Please shutdown any unstable links in the port-channel. Please avoid round robin hashing policy at the peer side

**ROUTE\_UPDATE\_FAILED:** %s route %s for interface %s in VRF %s failed

**Severity:** Error

**Explanation:** An error occurred when trying to add or remove route for per-link rfc-7130

**Recommended Action:** Delete and reconfigure per-link rfc-7130 for the interface

**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

**STATE\_CHANGE:** peer %s changed state from %s to %s diag %s

**Severity:** Notice

**Explanation:** Peer's BFD state has changed

**Recommended Action:** No action required

## 2.10 BFN Messages

**APP\_FILTER\_HW\_RESOURCE\_FULL:** Unable to allocate segment %s due to hardware resource exhaustion

**Severity:** Error

**Explanation:** The specified segment was not programmed in the hardware.

**Recommended Action:** To solve this issue, reduce the number of segments.

**APP\_FILTER\_RPF\_HW\_RESOURCE\_FULL:** Unable to allocate subscriber segment %s due to hardware resource exhaustion for RPF table

**Severity:** Error

**Explanation:** The specified segment was not programmed in the hardware.

**Recommended Action:** To solve this issue, reduce the number of subscriber segments.

**APP\_FILTER\_SERVICE\_SEGMENTS\_RESOURCE\_FULL:** Unable to allocate service side segment %s due to hardware resource exhaustion

**Severity:** Error

**Explanation:** The specified segment was not programmed in the hardware. The switch only supports %d service side segments. This number was exceeded leading to hardware resource exhaustion.

**Recommended Action:** To solve this issue, reduce the number of service side segments.

**CENTRAL\_POST\_FAILURE:** Unable to initialize chip %s due to Power-On-Self-Test %s failure

**Severity:** Error

**Explanation:** The system cannot be initialized

**Recommended Action:** Please contact support

**COUNTERS\_COUNTER\_RESOURCE\_FULL:** Unable to allocate counter for VLAN %d due to hardware resource exhaustion. Counter for this VLAN will not be available

**Severity:** Warning

**Explanation:** The specified VLAN counter could not be allocated in the switching ASIC due to hardware resource exhaustion. Statistics will not be available for this VLAN while the system is in this state

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

**COUNTERS\_COUNTER\_RESOURCE\_NORMAL:** Statics counter for VLAN %d was successfully programmed in hardware.

**Severity:** Warning

**Explanation:** The specified VLAN counter was successfully allocated in the switching ASIC. Normal statistic collection should resume for this VLAN.

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

**COUNTERS\_OVERFLOW\_ERROR:** Received wrong hardware counter value for interface %s.

**Severity:** Error

**Explanation:** The interface counters may not be accurate

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

**GRE\_DECAP\_DUPLICATE\_KEY\_IGNORED:** The specified GRE key to forwarding VRF mapping [%u -> %s] in decap-group %s was ignored as the same key already maps to a different VRF in decap-group %s.

**Severity:** Warning

**Explanation:** The specified GRE key to forwarding VRF mapping could not be programmed into the switching chip.

**Recommended Action:** Unconfigure this mapping and use a new GRE key in decap-group %s.

**INTERNAL\_BUFFER\_ERROR:** An internal buffer accounting error was detected and corrected.

**Severity:** Error

**Explanation:** An internal buffer accounting error was detected and corrected causing approximately 100ms of traffic loss.

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

**L2\_HW\_RESOURCE\_FULL:** Unable to program the L2 tables 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 L2 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.

**L2\_HW\_RESOURCE\_NORMAL:** All MAC addresses are programmed in hardware.

**Severity:** Warning

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

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

**MIRRORING\_BUFID\_ALLOC\_ERROR:** Unable to add mirror source %s due to hardware resource limitation

**Severity:** Warning

**Explanation:** The latest configured mirror source is not programmed in hardware

**Recommended Action:** Reduce the number of mirror sessions, or sources

**MIRRORING\_EGRESS\_MIRROR\_SESSION\_HW\_RESOURCE\_FULL:** Unable to program egressMirrorSession Table entry for src intf %s due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The mirror session entry could not be programmed and no mirroring action will take place for this source interface

**Recommended Action:** Reduce the number of mirror sessions or mirror ACLs

**MIRRORING\_INGRESS\_MIRROR\_SESSION\_HW\_RESOURCE\_FULL:** Unable to program ingressMirrorSession Table entry for src intf %s due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The mirror session entry could not be programmed and no mirroring action will take place for this source interface

**Recommended Action:** Reduce the number of mirror sessions or mirror ACLs

**MIRRORING\_RID\_ALLOC\_ERROR:** Unable to add mirror destination %s to session %s due to hardware resource limitation

**Severity:** Warning

**Explanation:** The latest configured mirror destination is not programmed in hardware

**Recommended Action:** Reduce the number of mirror sessions, or destinations

**MIRRORING\_XFORM\_MGR\_ERROR:** Unable to apply mirror ACL for mirror session %s due to hardware resource limitation

**Severity:** Warning

**Explanation:** The latest configured ACL is discarded while the previously applied ACL, if any, remains operational

**Recommended Action:** Reduce the number of rules or ACLs

**MIRROR\_PACKET\_ENCAP\_HW\_RESOURCE\_FULL:** Unable to program mirrorPacketEncap Table entry for mirror session %u with destination %s due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The mirror packet encap entry could not be programmed and the mirroring action will be incorrect for this destination interface

**Recommended Action:** Reduce the number of mirror sessions

**MTU\_ID\_RESOURCE\_FULL:** Unable to allocate a hardware index for L3 MTU %d for interface %s due to hardware resource exhaustion. Instead it is now programmed to use L3 MTU %d

**Severity:** Warning

**Explanation:** The number of unique L3 MTU values in the system are limited to 4 and all of them have been used. The interface has been allocated minimum L3 MTU in the switch. But the running-config will continue to show the configured value

**Recommended Action:** Reuse one of the existing L3 MTU values

**MTU\_ID\_RESOURCE\_NORMAL:** Hardware index resource for L3 MTU is normal

**Severity:** Info

**Explanation:**

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

**NAT\_DUPLICATE\_ENTRY:** Found unexpected duplicate NAT rules for address %s

**Severity:** Info

**Explanation:** Found an unexpected duplicate NAT rule for address, which could be caused by a misconfiguration

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

**NAT\_FLOW\_RANGE\_OVERLAP:** Detected two overlapping NAT flow entries in profile %s between profile/match %s/%s and %s/%s. NAT flow entry: %s.

**Severity:** Info

**Explanation:** There are two overlapping NAT flow entries defined in two separate policies. Packet traffic cannot be forwarded as expected because only one of the two entries can be hit. The NAT flow configuration should be modified to avoid the overlap.

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

**NAT\_FULL\_CONE\_RANGE\_OVERLAP:** Detected two overlapping full cone NAT pool ranges, %s and %s

**Severity:** Info

**Explanation:** There are two NAT pool ranges configured for full cone entries with overlapping range. The configuration must be modified in order for the NAT forwarding to work correctly

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

**NAT\_TWICE\_DUPLICATE\_ENTRY:** Found unexpected duplicate NAT rules for entry %s:%d, %s:%d, vrf %d

**Severity:** Info

**Explanation:** Found an unexpected duplicate NAT rule for address, which could be caused by a misconfiguration

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

**NAT\_UNSUPPORTED\_FULL\_CONE\_SNAT\_ACL:** Unsupported protocol %d used in dynamic SNAT ACL : Source:%s Destination:%s Protocol:%d Source Port:%s Destination Port %s

**Severity:** Error

**Explanation:** The dynamic SNAT ACL configuration contains protocol rules that are unsupported for fullcone operation. The configuration must be fixed for it to take effect.

**Recommended Action:** Remove the described access rules. Only UDP protocol access list rules are allowed with this feature.

**QOS\_INTF\_CPU\_POLICER\_BURST\_UNIT\_NOT\_SUPPORTED:** Unable to program the policer profile %s on interface %s because interface CPU policers do not support bytes burst rates on this platform.

**Severity:** Warning

**Explanation:** The specified policer profile could not be programmed on the specified interface. Interface CPU policers only support packets burst rates on this platform. The policer configuration for the specified interface has been reset.

**Recommended Action:** Apply a different policer profile with a burst unit in packets on the specified interface.

**QOS\_INTF\_CPU\_POLICER\_HW\_RESOURCE\_FULL:** Unable to program the policer profile %s on interface %s due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The switch failed to program the specified policer profile configuration on the specified interface for CPU traffic policing. This occurred because the hardware resources used to perform this action are exhausted.

**Recommended Action:** Remove some of the entries configured with the policer profile PROFILE cpu command to make room for the new entry being configured.

**QOS\_INTF\_CPU\_POLICER\_RATE\_UNIT\_NOT\_SUPPORTED:** Unable to program the policer profile %s on interface %s because interface CPU policers do not support bytes per second (bps) rates on this platform.

**Severity:** Warning

**Explanation:** The specified policer profile could not be programmed on the specified interface. Interface CPU policers only support packets per second (pps) rates on this platform. The policer configuration for the specified interface has been reset.

**Recommended Action:** Apply a different policer profile with a rate unit in packets per second (pps) on the specified interface.

**QOS\_INTF\_DATA\_POLICER\_BURST\_UNIT\_NOT\_SUPPORTED:** Unable to program the policer profile %s on interface %s because interface %s policers do not support packets burst rates on this platform.

**Severity:** Warning

**Explanation:** The specified policer profile could not be programmed on the specified interface. Interface ingress and egress policers only support bytes burst rates on this platform. The policer configuration for the specified interface has been reset.

**Recommended Action:** Apply a different policer profile with a burst unit in bytes on the specified interface.

**QOS\_INTF\_DATA\_POLICER\_RATE\_UNIT\_NOT\_SUPPORTED:** Unable to program the policer profile %s on interface %s because interface %s policers do not support packets per second (pps) rates on this platform.

**Severity:** Warning

**Explanation:** The specified policer profile could not be programmed on the specified interface. Interface ingress and egress policers only support bytes per second (bps) rates on this platform. The policer configuration for the specified interface has been reset.

**Recommended Action:** Apply a different policer profile with a rate unit in bytes per second (bps) on the specified interface.

**SDK\_ERROR:** Error in the bf SDK: %s

**Severity:** Error

**Explanation:** Received an error notification from the bf SDK

**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.

**SFLOW\_BUFID\_ALLOC\_ERROR:** Unable to enable sflow due to hardware resource limitation

**Severity:** Warning

**Explanation:** The latest configured mirror source is not associated with mirror buffer for supporting sflow in the hardware

**Recommended Action:** Reduce the number of mirror sessions, or sources

**SLICE\_CPU0\_LINK\_DOWN:** The CPU link has gone down

**Severity:** Warning

**Explanation:** Traffic going to CPU will be impacted

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

**SLICE\_CPU0\_OPERSTATUS\_DOWN:** The operstatus of the CPU link has gone down

**Severity:** Warning

**Explanation:** Traffic going to CPU will be impacted

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

**SLICE\_UNEXPECTED\_PCIE\_SPEED:** The PCIe link to the switching ASIC settled in an unexpected speed

**Severity:** Warning

**Explanation:** Some correctable errors might be detected on the PCIe root port before the link speed has been corrected

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

**SWITCH\_CONF\_ERROR:** There was an error in the provided switch.conf for profile %s: %s.

**Severity:** Warning

**Explanation:** If a switch.conf file is provided that isn't valid JSON or have the expected fields, BfnSliceAgent will restart until the switch.conf file is corrected

**Recommended Action:** Correct the switch.conf file.

**TM\_QUEUE\_RESERVED\_INVALID:** Request to reserve %d buffers of 80 bytes each for %s traffic-manager cannot be satisfied.

**Severity:** Error

**Explanation:** The number of cells requested exceeds available memory.

**Recommended Action:** Reduce the amount of memory that should be reserved by reconfiguring the traffic-manager profiles.

**TM\_QUEUE\_RESERVED\_NORMAL:** Reserved buffers programmed in %s traffic-manager

**Severity:** Info

**Explanation:** The switch was able to reserve requested memory.

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

**TRANSCEIVER\_MODE\_CHANGE:** Change in interface %s configuration from %s to %s, the BfnSliceAgent will restart.

**Severity:** Info

**Explanation:** When a multi-lane speed change is initiated on a port, the switch ASIC must be reconfigured, requiring the BfnSliceAgent to restart.

**Recommended Action:** This behavior is expected.

**TUNNEL\_GLOBAL\_FIELDS\_RESOURCE\_FULL:** Unable to program global fields for vxlan tunnel due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified global fields could not be programmed into the switching ASIC.

**Recommended Action:** Reduce the number of global field entries that need to be programmed into the switching ASIC.

**TUNNEL\_VNI\_HW\_RESOURCE\_FULL:** Unable to program tunnel vni table entry for vlan %d vni %u due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified vlan to vni mapping could not be programmed into the switching ASIC. Packets belonging to this vlan will not be forwarded into the vxlan tunnel.

**Recommended Action:** Reduce the mnumber of vlan to vni mapping entries that need to be programmed into the switching ASIC.

**VLAN\_TAG\_CONFLICT:** Unable to program %s with VLAN tag %d on interface %s because the same VLAN tag is already in use by a %s.

**Severity:** Error

**Explanation:** To resolve this conflict,

**Recommended Action:** please remove both the conflicting VLAN mapping and subinterface configurations and then reconfigure only the VLAN mapping or subinterface that you want to work.

**VNI\_QOS\_EGRESS\_METER\_COUNTER\_HW\_RESOURCE\_FULL:** Unable to program egress meter counter table entry for VLAN %d due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The specified policer profile could not be attached to the counter table. Counters for attached policer profile for this VLAN will not be available.

**Recommended Action:** Reduce the number of attached policer profile entries that needed to be programmed into the switching chip.

**VNI\_QOS\_EGRESS\_METER\_HW\_RESOURCE\_FULL:** Unable to program egress meter table entry for VLAN %d due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The specified policer profile could not be attached to the meter table. Egress traffic belonging to this VLAN will not be metered.

**Recommended Action:** Reduce the number of attached policer profile entries that needed to be programmed into the switching chip.

**VNI\_QOS\_INGRESS\_METER\_COUNTER\_HW\_RESOURCE\_FULL:** Unable to program ingress meter counter table entry for VLAN %d due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The specified policer profile could not be attached to the counter table. Counters for attached policer profile for this VLAN will not be available.

**Recommended Action:** Reduce the number of attached policer profile entries that needed to be programmed into the switching chip.

**VNI\_QOS\_INGRESS\_METER\_HW\_RESOURCE\_FULL:** Unable to program ingress meter table entry for VLAN %d due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The specified policer profile could not be attached to the meter table. Ingress traffic belonging to this VLAN will not be metered.

**Recommended Action:** Reduce the number of attached policer profile entries that needed to be programmed into the switching chip.

**VTEP\_SIP\_HW\_RESOURCE\_FULL:** Unable to program the L2 table for tunnel SIP validation entry %s due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified tunnel SIP could not be programmed into the switching ASIC because the hardware table reached capacity. Incoming packets with this address as the source IP will be dropped

**Recommended Action:** Reduce the number of SIP validation entries that need to be programmed into the switching ASIC. This can be achieved by decreasing the number of unique VTEPs with SIP validation enabled

**VTEP\_SIP\_HW\_RESOURCE\_NORMAL:** All SIP validation entries are programmed in hardware

**Severity:** Warning

**Explanation:** The switch was able to program all source IP addresses that have SIP validation enabled

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

**VXLAN\_INTF\_MAC\_REWRITE\_TABLE\_FULL:** Failed to program VXLAN forwarding source MAC address rewrite action for VLAN ID: %s due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The switch failed to program the hardware entry to perform a source MAC address rewrite action for VXLAN forwarded packets matching the specified VLAN ID. This occurred because the hardware resources used to perform this action are exhausted.

**Recommended Action:** Remove some of the entries configured with the vxlan forwarding match local-interface <VTI> vni <VNI> action rewrite src-mac <M> to make room for the new entry being configured.

**VXLAN\_INVALID\_VNI\_IGNORED:** The specified VXLAN Network Identifier value of %u was ignored as it's greater than the allowed range of 1-16777215.

**Severity:** Warning

**Explanation:** The specified VNI to VLAN mapping could not be programmed into the switching ASIC. Packets belonging to this VNI will be dropped.

**Recommended Action:** Use VNI values in the range of 1-16777215.

**VXLAN\_IPV6\_TUNNEL\_MAPPING\_DATA\_RESOURCE\_FULL:** Unable to program VXLAN IPv6 tunnel destination address %s due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified VXLAN IPv6 tunnel destination address was not programmed in hardware. The switch only supports 256 unique values for the top 48 bits of the IPv6 tunnel destination. This number was exceeded leading to hardware resource exhaustion.

**Recommended Action:** Select IPv6 tunnel destination addresses in such a way that the number of unique values for the top 48 bits is less than 256.

**VXLAN\_IPV6\_TUNNEL\_MAPPING\_DATA\_RESOURCE\_NORMAL:** All the IPv6 tunnel destination addresses are programmed in hardware.

**Severity:** Info

**Explanation:** The switch was able to program all the IPv6 tunnel destination addresses in hardware.

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

**VXLAN\_MAC\_REWRITE\_TABLE\_FULL:** Failed to program VXLAN forwarding source MAC address rewrite action for VRF: %s source IP: %s due to hardware resource exhaustion.

**Severity:** Warning

**Explanation:** The switch failed to program the hardware entry to perform a source MAC address rewrite action for VXLAN forwarded packets matching the specified VRF and source IPv4 address. This occurred because the hardware resources used to perform this action are exhausted.

**Recommended Action:** Remove some of the entries configured with the vxlan forwarding match vrf <VRF> src-ip <IP> action rewrite src-mac <M> to make room for the new entry being configured.

**VXLAN\_UNSUPPORTED\_IPV6\_TUNNEL\_DESTINATION:** Ignoring unsupported VXLAN IPv6 tunnel destination address %s.

**Severity:** Warning

**Explanation:** The specified VXLAN IPv6 tunnel destination address was not programmed in hardware as it was found to be in an unsupported format. A non zero value is not supported in the bits marked 0 in the following IPv6 address mask: ffff:fff:fff:fff:0000:000f:fff:fff.

**Recommended Action:** Use a valid IPv6 address for the VXLAN tunnel destination. A non zero value is not supported in the bits marked 0 in the following IPv6 address mask: ffff:fff:fff:fff:0000:000f:fff:fff.

**VXLAN\_VNI\_FORMAT\_CHANGED:** The VXLAN Network Identifier format changed from %s to %s.

**Severity:** Warning

**Explanation:** The VXLAN Network Identifier format changed from %s to %s. Restarting BfnTunnel agent.

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

**VXLAN\_VNI\_RESOLUTION\_HW\_RESOURCE\_FULL:** Unable to program vxlanVniResolution table entry for vlan %d vni %u due to hardware resource exhaustion

**Severity:** Warning

**Explanation:** The specified vni to vlan mapping could not be programmed into the switching ASIC. Packets belonging to this vni will be dropped.

**Recommended Action:** Reduce the mnumber of vni to vlan mapping entries that need to be programmed into the switching ASIC.

## 2.11 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.

**AFI\_SAFI\_GR\_STALE\_PATHS\_DELETED:** Deleted %d unrefreshed stale paths from peer %s for the address family %s

**Severity:** Warning

**Explanation:** BGP has deleted paths that the graceful restart procedure previously marked as stale because they were not relearned in time. Removal of those paths may impact traffic forwarding.

**Recommended Action:** Check to see whether stale path deletion reflects a need to adjust the configured graceful restart parameters.

**AFI\_SAFI\_MAX\_ACCEPTED\_ROUTES\_LIMIT:** Peer %s has exceeded its configured maximum total number of accepted routes (%d) of address family %s; Put into idle state forever

**Severity:** Notice

**Explanation:** BGP has accepted more routes of this address family 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 accepted BGP routes of this address family is reasonable. If not, try to reduce the number of routes of this being shared by your BGP peers, or apply policies to filter out more routes. If the number of routes is reasonable, increase the maximum-accepted-routes limit of this address family. After taking either of these actions issue the 'clear ip bgp \*|<peer>' command, to reset the BGP peer connection.

**AFI\_SAFI\_MAX\_ACCEPTED\_ROUTES\_WARNING:** Peer %s has exceeded its configured threshold for total number of accepted routes (%d) of address family %s

**Severity:** Notice

**Explanation:** Bgp has accepted more routes of this address family than its configured early warning limit for this BGP peer.

**Recommended Action:** Determine whether the number of accepted BGP routes of this address family is reasonable. If not, try to reduce the number of routes of this address family being shared by your BGP peers, or apply policies to filter out more routes. If the number of routes is reasonable, increase the maximum-accepted-routes limit of this address family. If the number of sessions continues to increase beyond the configured limit, this BGP peer will be put into an idle state.

**AFI\_SAFI\_MAX\_ADV\_ROUTES\_LIMIT:** Number of routes advertised to peer %s has exceeded the configured maximum number of routes (%d) for address family %s; Put into idle state forever

**Severity:** Notice

**Explanation:** BGP has advertised more routes of this address family than it is configured for this BGP peer to receive. 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 advertised BGP routes of this address family is reasonable. If not, then apply policies to filter out more routes for this address family. If the number of routes is reasonable, then increase maximum-advertised-routes limit for this address family. After taking either of these actions issue the 'clear ip bgp \*|<peer>' command, to reset the BGP peer connection.

**AFI\_SAFI\_MAX\_ADV\_ROUTES\_WARNING:** Number of routes advertised to peer %s has exceeded the configured threshold (%d) for address family %s;

**Severity:** Notice

**Explanation:** BGP has advertised more routes of this address family to this BGP peer than its configured early warning limit.

**Recommended Action:** Determine whether the number of advertised BGP routes of this address family is reasonable. If not, then apply policies to filter out more routes of this address family. If the number of routes is reasonable, then increase maximum-advertised-routes limit for this address family. If the number of routes of this address family continues to increase beyond the configured limit, this BGP peer will be put into an idle state.

**AFI\_SAFI\_MAX\_ROUTES\_EARLY\_WARNING:** Number of paths received from peer %s has exceeded the configured early warning limit (%d) of address family %s

**Severity:** Notice

**Explanation:** Bgp has received more routes of this address family than its configured early warning limit for this BGP peer.

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

**AFI\_SAFI\_MAX\_ROUTES\_LIMIT:** Peer %s has exceeded its configured maximum total number of routes (%d) of address family %s; Put into idle state forever

**Severity:** Notice

**Explanation:** BGP has received more routes of this address family 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 of this address family is reasonable. If not, try to reduce the number of routes of this address family being shared by your BGP peers. If the number of routes is reasonable, increase the maximum-routes limit of this address family. After taking either of these actions issue the 'clear ip bgp \*|<peer>' command, to reset the BGP peer connection.

**AFI\_SAFI\_MAX\_ROUTES\_RECOVER:** Peer %s has managed to drop below its configured maximum total number of routes (%d) of address family %s; routing information is no longer being lost

**Severity:** Notice

**Explanation:** The number of routes of this address family 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 of this address family in the first place.

**AFI\_SAFI\_MAX\_ROUTES\_WARNING:** Peer %s has exceeded its configured maximum total number of routes (%d) of address family %s; ROUTING INFORMATION IS BEING LOST

**Severity:** Notice

**Explanation:** BGP has received more routes of address family 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 of this address family is reasonable. If not, try to reduce the number of routes of this address family being shared by your BGP peers. If the number of routes is reasonable, increase the maximum-routes limit of this address family.

**ASPATH\_MAX\_PREPEND:** ASPATH prepend exceeded max limit %d, ignoring extra prepend

**Severity:** Notice

**Explanation:** Exceeding the maximum prependable AS's causes the last setter to be ignored.

**Recommended Action:** Reduce the number of AS's to prepend in order to not exceed the limit.

**ASPATH\_MAX\_PREPEND\_LASTAS:** Max prepend (%u) exceeded - reducing last AS prepend to %u

**Severity:** Notice

**Explanation:** Exceeding the maximum prependable AS's causes the ASPATH to be truncated.

**Recommended Action:** Reduce the number of AS's to prepend in order to not exceed the limit.

**BAD\_AS\_NUMBER:** Connection rejected from peer %s (VRF %s) due to bad AS %u

**Severity:** Error

**Explanation:** The AS number in the Open message does not match the configured remote AS number.

**Recommended Action:** If peering is expected, configure the AS number consistently.

**CONVERGED:** BGP in VRF %s has converged and its routes are in FIB

**Severity:** Notice

**Explanation:** BGP has converged after receiving the initial set of updates from peers (if any) and is now ready to advertise best path routes to peers

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

**DISCARD\_RXATTRIBUTES:** Attribute(s) %s discarded for peer %s in address family %s

**Severity:** Info

**Explanation:** Received attribute discard is enabled and has discarded attributes in the given address family in an update from the given peer

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

**DROP\_TXUPDATE:** Dropped updates for peer %s because a local Nexthop was not configured for AFI/SAFI %s/%s

**Severity:** Error

**Explanation:** A local address has not been configured for this peer for the Afi/Safi. Updates with route advertisements using nexthop-self could not be sent out as they require a valid nexthop.

**Recommended Action:** Configure a local address that can be used as a nexthop in routes advertised to this peer, for the Afi/Safi.

**DROP\_TXUPDATE\_EXCEEDED\_NUMLABELS:** Dropped updates for peer %s because the number of labels exceed the receive capability of %d advertised by the peer for AFI/SAFI %s/%s

**Severity:** Error

**Explanation:** The advertised capability of the peer to receive multiple labels is less than the number of labels in the update and as a result some routes could not be sent to the peer.

**Recommended Action:** Check peer configurations

**DROP\_UPDATE\_LARGE\_ATTR:** Dropped updates for peer %s for AFI/SAFI %s/%s due to oversized path attributes

**Severity:** Error

**Explanation:** Updates for paths whose serialized length exceeds the BGP update maximum size (4096 octets) are sent out as withdrawals instead of positive advertisements. AS path prepend, peer specific outbound policy, export extended communities, or four-byte AS configuration may contribute to the size of the serialized path attributes.

**Recommended Action:** Look for BGP routes with large AS paths or large number of communities and modify configuration to reduce the attribute data that needs to be encoded in the BGP update.

**DYNAMIC\_PEER\_REJECTED\_OVER\_LIMIT:** Rejected connection from %s to avoid exceeding the dynamic peer limit (%u)

**Severity:** Warning

**Explanation:** BGP has received more dynamic connection requests than the configured listen limit

**Recommended Action:** If this warning persists, then determine whether the number of dynamic peer requests is reasonable. If the number of dynamic peer requests is reasonable, then increase the listen limit to allow more dynamic peer connections.

---

**GRACEFUL\_RESTART\_TIMEOUT:** Deleting stale routing information from peer %s

**Severity:** Notice

**Explanation:** Session with graceful restarting speaker has not been established within the advertised restart time. Deleting the routes from this peer.

**Recommended Action:** Check to see why the peer session did not get re-established.

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

**Severity:** Notice

**Explanation:** BGP has accepted 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 accepted BGP routes is reasonable. If not, then, try to reduce the number of routes being shared by your BGP peers, or apply policies to filter out more routes. If the number of routes is reasonable, then increase the maximum-accepted-routes limit. After taking either of these actions issue the 'clear ip bgp \*|<peer>' command, to reset the BGP peer connection.

**IF\_MAXROUTESEARLYWARNING:** Number of paths received from peer %s has exceeded the configured early warning limit (%d)

**Severity:** Notice

**Explanation:** Bgp has received more routes than its configured early warning limit for this BGP peer.

**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 warning threshold.

**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 \*|<peer>' 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.

**IF\_MAX\_ACCEPTED\_ROUTES\_WARNING:** Peer %s has exceeded its configured threshold for total number of accepted routes (%d)

**Severity:** Notice

**Explanation:** Bgp has accepted more routes than its configured early warning limit for this BGP peer.

**Recommended Action:** Determine whether the number of accepted BGP routes is reasonable. If not, then, try to reduce the number of routes being shared by your BGP peers, or apply policies to filter out more routes. If the number of routes is reasonable, then increase the maximum-accepted-routes limit. If the number of sessions continues to increase beyond the configured limit, this BGP peer will be put into an idle state.

**IGNORED\_LU\_PATH\_LARGE\_LABEL\_STACK:** Ignored LU path (from peer %s) due to large label stack

**Severity:** Error

**Explanation:** An LU update had a label stack that was larger than what the platform can support, so dropping it.

**Recommended Action:** Look for BGP LU routes with large label stacks and modify configuration/topology to reduce the number of labels in the label stack.

**INVALID\_AS\_FOR\_AUTO\_RT:** Automatic route target configuration for MAC-VRF 'vlan %d' requires a 2 byte AS number, but the configured AS number %d is 4 bytes

**Severity:** Error

**Explanation:** Route targets can only encode a 2 byte AS number.

**Recommended Action:** Either explicitly configure one or more route targets, or configure a 2 byte AS number.

**INVALID\_ZERO\_ASN:** peer %s has sent invalid ASN 0 in the %s path attribute

**Severity:** Notice

**Explanation:** BGP has received an invalid ASN 0 in the AS4\_PATH/AS4\_AGGREGATOR path attribute from this peer

**Recommended Action:** Check to see why the peer sent ASN 0 in the AS4\_PATH path attribute

**LLGR\_WITHOUT\_GR:** Long lived graceful restart negotiation failed as peer %s has not negotiated graceful restart capability.

**Severity:** Notice

**Explanation:** Long lived graceful restart requires graceful restart to be negotiated between the peers.

**Recommended Action:** Enable graceful restart or graceful restart helper on the peer.

**LS\_CONFLICTING\_ID\_FOR\_MULTIPLE\_INSTANCES:** BGP Link State cannot be enabled on %s instance %s due to conflicting identifier on %s

**Severity:** Warning

**Explanation:** Every IGP instance exported by BGP Link State should have a unique identifier.

**Recommended Action:** Fix the identifier configured on different BGP Link State instances to be unique.

**MAC\_VRF\_CONFLICT:** VLAN %u assigned to multiple MAC-VRFs in BGP configuration

**Severity:** Error

**Explanation:** A VLAN is assigned to multiple BGP VLAN bundles, or is configured both standalone and as part of a bundle

**Recommended Action:** Adjust the local BGP configuration

**MAC\_VRF\_CONFLICT\_RECOVERY:** VLAN %u is no longer assigned to multiple MAC-VRFs

**Severity:** Error

**Explanation:** A VLAN that was previously configured to be part of multiple MAC-VRFs now belongs to at most one

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

**MAINTENANCE\_MODE\_ENTER:** peer %s (VRF %s AS %d) is placed under maintenance

**Severity:** Info

**Explanation:** The given peer is now under maintenance

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

**MAINTENANCE\_MODE\_EXIT:** peer %s (VRF %s AS %d) is taken out of maintenance

**Severity:** Info

**Explanation:** The given peer is now no longer under maintenance

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

**MAINTENANCE\_MODE\_SEND\_COMM:** peer %s (VRF %s AS %d) is placed under maintenance without enabling send-community

**Severity:** Error

**Explanation:** The given peer is placed under maintenance with a route-map using community , however send-community is not enabled for the peer. This will prevent the community from being sent in the route updates

**Recommended Action:** Configure send-community for the peer

**MALFORMED\_PMSI\_TUNNEL\_ATTRIBUTE:** Received an update with malformed PMSI tunnel attribute from peer %s

**Severity:** Error

**Explanation:** Received an update with PMSI tunnel attribute containing either undefined tunnel type or invalid tunnel identifier

**Recommended Action:** Examine the reason for peer sending a malformed PSMI tunnel attribute

**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 \*|<peer>' command, to reset the BGP peer connection.

**MONITORING\_STATION\_STATUS:** Connection to monitoring station %s (VRF %s, address %s) is %s

**Severity:** Info

**Explanation:** Indicates connection status to the specified BMP monitoring station

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

**NOTIFICATION:** %s neighbor %s%s %d/%d (%s/%s%s)%s

**Severity:** Error

**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.

**ORR\_ADD\_PATH\_BACKUP:** Peer %s is configured with BGP optimal route reflection and send additional backup path, the combination is not supported; Put into idle state forever

**Severity:** Error

**Explanation:** The peer is configured with BGP optimal route reflection and send additional backup path, the combination is not supported. 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:** Remove either "neighbor PEERIGROUP route-reflector-client optimal-route-reflection" or "neighbor PEERIGROUP additional-paths send backup" configuration from this peer or peer group.

**ORR\_CONFIGURATION\_INCOMPLETE:** Peer %s is configured with BGP optimal route reflection position %s that is either not configured or does not have one or more IGP prefixes configured; Put into idle state forever

**Severity:** Error

**Explanation:** The peer is configured with a BGP optimal route reflection position that is not configured, or does not have at least one IGP prefix configured. 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:** Verify that "optimal-route-reflection position NAME" is configured and has at least one IGP prefix configured under it.

**ORR\_LINK\_LOCAL\_PEER\_NOT\_SUPPORTED:** Peer %s is configured with BGP optimal route reflection that is not supported for link-local peers; Put into idle state forever

**Severity:** Error

**Explanation:** BGP optimal route reflection is not supported for link-local peers. 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:** Remove "neighbor PEERIGROUP route-reflector-client optimal-route-reflection" configuration from this peer or peer group.

**ORR\_MAX\_POSITION\_LIMIT:** Peer %s is configured with BGP optimal route reflection position %s that could not be assigned a numeric ID as the number of ORR positions exceeds the maximum (%u); Put into idle state forever

**Severity:** Error

**Explanation:** The number of BGP optimal route reflection positions configured exceeds the maximum supported, peers configured with positions that we could not assign a numeric ID to are put into idle state. 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:** Check the number of ORR positions configured, including implicit positions per peer for peers configured with "neighbor PEERIGROUP route-reflector-client optimal-route-reflection peer-address".

**ORR\_PEER\_ADDRESS\_DYNAMIC\_PEER\_NOT\_SUPPORTED:** Peer %s is configured with BGP optimal route reflection position peer-address that is not supported for dynamic peers; Put into idle state forever

**Severity:** Error

**Explanation:** BGP optimal route reflection position peer-address is not supported for dynamic peers. 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:** Remove "neighbor PEERIGROUP route-reflector-client optimal-route-reflection peer-address" configuration from this peer or peer group.

**PEER\_CLEAR:** BGP %s by %s on %s (%s)%s

**Severity:** Notice

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

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

**RFD\_CONFIG\_CHANGE:** Route flap damping configuration changed for peer %s policy %s

**Severity:** Info

**Explanation:** Paths from the peer are re-evaluated because of RFD configuration change Additional paths may be suppressed or reused after re-evaluation.

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

**RFD\_PATH\_REUSED:** Path %s from peer %s is reused

**Severity:** Warning

**Explanation:** Path penalty has decayed below the reuse threshold.

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

**RFD\_PATH\_REUSE\_MONITOR:** Monitored path %s from peer %s has decayed below the reuse threshold

**Severity:** Info

**Explanation:** Path penalty has decayed below the reuse threshold (monitor mode).

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

**RFD\_PATH\_SUPPRESSED:** Path %s from peer %s is suppressed

**Severity:** Warning

**Explanation:** Path flapping has caused the path to exceed the suppression penalty threshold. It will remain suppressed until the penalty falls below the reuse threshold.

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

**RFD\_PATH\_SUPPRESSION\_MONITOR:** Monitored path %s from peer %s has exceeded suppression threshold

**Severity:** Info

**Explanation:** Path flapping has caused the path to exceed the suppression penalty threshold but the path is not suppressed (monitor mode).

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

**SAME\_RT\_FOR\_MULTIPLE\_MACVRF:** %d MAC-VRFs have the same import route target

**Severity:** Warning

**Explanation:** Configuring multiple MAC-VRFs to import routes with the same RT will replicate the same routes in those MAC-VRFs. Typically each MAC-VRF would import routes with a different RT.

**Recommended Action:** Typically each MAC-VRF should be associated with routes with unique RTs.

**SRTE\_IGNORED\_SEGMENT\_LIST\_EXCEEDS\_MSD:** Ignored segment list with %u labels %s in candidate path with endpoint %s, color %u, distinguisher %u, from peer %s

**Severity:** Warning

**Explanation:** Received segment list exceeds the maximum software SID depth

**Recommended Action:** Candidate path needs to be modified such that the received segment list does not exceed the software MSD

**SRTE\_IGNORED\_SEGMENT\_LIST\_UNSUPPORTED\_SEGMENTS:** Ignored segment list in candidate path with endpoint %s, color %u, distinguisher %u, from peer %s

**Severity:** Warning

**Explanation:** Received segment list contains at least one segment that is of an unsupported type

**Recommended Action:** Candidate path needs to be modified such that the received segment list contains only supported segment types

**SRTE\_POLICY\_SEGMENT\_LISTS\_EXCEEDED:** Number of segment lists(%u) in candidate path with endpoint %s, color %u, distinguisher %u from peer %s exceeds the maximum supported(%u)

**Severity:** Warning

**Explanation:** Received candidate path contains more than maximum supported segment lists

**Recommended Action:** Candidate path needs to be modified such it contains less than or equal to maximum supported segment lists

**TRAFFICPOLICY\_FIELD\_SET\_MAPPING\_CONFLICT:** IPv%u prefix field set %s has been assigned to multiple VRFs: %s

**Severity:** Error

**Explanation:** A Traffic Policy prefix field set is assigned to multiple BGP VRFs in order to be updated based on BGP routes.

**Recommended Action:** Adjust the local BGP configuration to associate the field set with at most one VRF.

**TRAFFICPOLICY\_FIELD\_SET\_MAPPING\_CONFLICT\_RECOVERY:** IPv%u prefix field set %s is no longer assigned to multiple VRFs

**Severity:** Error

**Explanation:** A Traffic Policy prefix field set that was previously assigned to multiple BGP VRFs now belongs to at most one.

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

**UPDATE\_ERROR:** attribute %s in update from peer %s (AS %u) is malformed, disabling AFI/SAFI %s.

**Severity:** Notice

**Explanation:** BGP has removed existing routes and disabled processing of subsequent NLRI of that AFI/SAFI because a peer sent a malformed update message as outlined in RFC7606

**Recommended Action:** Disabled AFI/SAFIs, and their respective reasons for being disabled, can be seen with the 'show ip bgp neighbor' command. Disabled AFI/SAFIs can be re-enabled with the 'clear ip bgp' command.

**VPN\_ADD\_PATH\_SEND\_DROP\_TXUPDATE:** Dropped %s updates to peer %s as additional-paths send with next-hop-self is not supported

**Severity:** Error

**Explanation:** Readvertising received VPN updates when both next-hop-self and additional-paths send are enabled is not supported

**Recommended Action:** Either remove next-hop-self or additional-paths send configuration for the VPN peer

**VPN\_LOCAL\_LABEL\_UNAVAILABLE\_DROP\_TXUPDATE:** Dropped %s updates to peer %s as local label was not available

**Severity:** Error

**Explanation:** The local label required for readvertising VPN updates with next-hop-self was not available

**Recommended Action:** Enable allocation of local label for received VPN routes to be advertised with next-hop-self. If this is already enabled, ensure that the MPLS label range is not exhausted. If the MPLS label range is exhausted, then try increasing the label range to be large enough to accommodate local labels for the received VPN routes.

**VPN\_NEIGHBOR\_WITHOUT\_EXT\_COMM:** Updates to peer %s for %s will be sent without route-targets as send-community extended is not configured.

**Severity:** Notice

**Explanation:**

**Recommended Action:** Configure send-community extended for the peer

**VPN\_PRUNE\_SESSION\_RESET\_REQUIRED:** VPN import configuration has changed - a BGP session reset is required for peer %s (AS %u).

**Severity:** Notice

**Explanation:** VPN routes that do not match any VRF import Route Targets are being discarded and the VRF import configuration has changed. This requires the recovery and re-evaluation of any discarded routes. However, this BGP peer doesn't support the Route Refresh capability, and so a manual session reset is required instead.

**Recommended Action:** Issue the 'clear ip bgp <peer>' command to reset the BGP peer connection.

**VPN\_RT\_MEMBERSHIP\_RECEIVED\_CONFLICTING\_DEFAULT\_ROUTES:** RT membership received conflicting default routes from peer %s, both with and without an origin AS

**Severity:** Error

**Explanation:** The peer has advertised to us two separate RT membership default routes. One of them has an unspecified origin-AS and a zero NLRI length. The other has a specified origin-AS and a 32 bit NLRI length. These two routes conflict, and withdrawing one of them will result in the deletion of both, resulting in missing VPN routes.

**Recommended Action:** Correct the neighbor's BGP RT membership configuration to only advertise one of the two types of default route.

**VPN\_RT\_MEMBERSHIP\_SUPPRESSED\_DEFAULT\_ROUTE\_WITH\_ORIGIN\_AS:** Suppressed advertisement of RT membership default route with origin AS %u to peer that only supports the unspecified origin AS default route

**Severity:** Error

**Explanation:** The BGP peer is activated under the rt-membership address family. For compatibility, the peer is configured to advertise a default route without the origin AS. The effect of this configuration is that a default RT membership route that originates in our AS, will be advertised as an unspecified origin-AS RT membership default route to the peer. However, a default route originating from the specified AS, had to be advertised to the peer, and that cannot be translated. The suppression of the this default RT membership route may result in missing VPN routes from the peer.

**Recommended Action:** Please upgrade the peer to an implementation capable of exchanging an RT membership default route that includes a specified origin AS, and remove the "neighbor <peer> default-route-target encoding origin-as omit" configuration.

**VRF\_AFI\_SAFI\_RIB\_READY:** BGP in VRF %s has converged and all routes for address family %s have been processed

**Severity:** Notice

**Explanation:** BGP has converged after receiving the initial set of updates from peers (if any) and has processed all routes for the specified address family. Best path routes for this address family are also ready to be advertised to peers

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

## 2.12 BIDIR Messages

**RPA\_RESOURCE\_FULL:** RPA used in Pim bidirectional has exceeded the limit.

**Severity:** Error

**Explanation:** Please make sure the number of RP used for Pim Bidirectional from BSR and static RP configuration are not exceeding the limit.

**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.

## 2.13 CAPACITY Messages

**UTILIZATION\_HIGH:** %s table utilization is currently at %d%%, crossed threshold %d%%

**Severity:** Alert

**Explanation:** The hardware table utilization has crossed the configured alert threshold value and may be reaching its maximum limit

**Recommended Action:** Check the utilization of hardware table resources using "show hardware capacity" and remove unwanted entries / configuration to free up space

**UTILIZATION\_NORMAL:** %s table utilization is back to normal

**Severity:** Alert

**Explanation:** The hardware table utilization has come below the configured alert threshold value

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

## 2.14 CAPI Messages

**CERTIFICATE\_CONFIGURATION\_CONFLICT:** Certificate/key pair in the SSL Profile will not be used

**Severity:** Warning

**Explanation:** A server certificate is configured in HTTPS config. Only one server certificate can be configured at a time.

**Recommended Action:** Remove the server certificate in HTTPS config with 'no protocol https certificate' in 'management api http-commands'

**CIPHERSUITE\_AND\_HTTPS\_CONFIG\_INCOMPATIBLE:** SSL profile ciphersuite and protocol HTTPS cipher configuration are incompatible, so HTTP server will not start.

**Severity:** Warning

**Explanation:** Configure either SSL profile ciphersuite or HTTPS ciphers, mac algorithms and key-exchange. They cannot both be configured.

**Recommended Action:** Remove the cipher, mac, and key-exchange configurations in HTTPS config with 'no protocol https cipher', 'no protocol https mac', and 'no protocol https key-exchange' in 'management api http-commands'.

## 2.15 CARD Messages

**DATA\_PLANE\_INCOMPATIBLE:** %s is not supported because %s.

**Severity:** Error

**Explanation:** The forwarding plane of the linecard inserted is incompatible with other linecards in the system

**Recommended Action:** Remove the offending card and reboot the system

**NOT\_COMPATIBLE:** %s (%s) is not supported because %s.

**Severity:** Error

**Explanation:** In the current configuration, this card is incompatible.

**Recommended Action:** Change configuration using 'platform sand {fabricforwarding} mode <mode>', save configuration and reboot the system

## 2.16 CFM Messages

**MEP\_CROSS\_CONNECTION\_CLEARED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d is not receiving cross connection CCM from MEP %d. %s

**Severity:** Notice

**Explanation:**

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

**MEP\_CROSS\_CONNECTION\_DETECTED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d detected cross connection CCM from remote MEP %d; LOC timeout is %s %s. %s

**Severity:** Notice

**Explanation:**

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

**MEP\_ERROR\_CCM\_CLEARED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d is not receiving error CCM from MEP %d. %s

**Severity:** Notice

**Explanation:**

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

**MEP\_ERROR\_CCM\_DETECTED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d detected error CCM with remote MEP %d; LOC timeout is %s %s. %s

**Severity:** Notice

**Explanation:**

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

**MEP\_LOC\_CLEARED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d restored continuity with remote MEP %d.

**Severity:** Notice

**Explanation:** Local MEP has restored connectivity with remote MEP.

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

**MEP\_LOC\_DETECTED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d detected loss of continuity with remote MEP %d at %s UTC; LOC timeout is %s %s.

**Severity:** Notice

**Explanation:** Local MEP has lost connectivity with remote MEP.

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

**MEP\_RDI\_CLEARED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d received CCM with RDI field cleared from remote MEP %d.

**Severity:** Notice

**Explanation:** Local MEP received a CCM with RDI field cleared from remote MEP.

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

**MEP\_RDI\_CONDITION\_CLEARED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d has cleared RDI condition.

**Severity:** Notice

**Explanation:** Local MEP has cleared RDI condition because it received CCMs with RDI field cleared from all the remote MEPs.

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

**MEP\_RDI\_CONDITION\_DETECTED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d has detected RDI condition.

**Severity:** Notice

**Explanation:** Local MEP has detected RDI condition because it received a CCM with RDI field set from at least one remote MEP.

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

**MEP\_RDI\_RECEIVED:** CFM MEP %d on interface %s in maintenance association %s in maintenance domain %s:%d received CCM with RDI field set from remote MEP %d.

**Severity:** Notice

**Explanation:** Local MEP received a CCM with RDI field set from remote MEP.

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

## 2.17 CLEAR Messages

**COUNTERS:** Clear %scounters %sby %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.

## 2.18 CLOCK Messages

**UNSUPPORTED:** The clock module is not supported

**Severity:** Error

**Explanation:** The clock module is not supported by this release.

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

## 2.19 CONTAINERMGR Messages

**CONTAINER\_START\_FAILED:** Container %s failed to run, container-runtime reported "%s" while running "%s".

**Severity:** Error

**Explanation:** Configured container didn't start successfully.

**Recommended Action:** If the problem persists, please check container configuration. Otherwise, no action required.

**DOCKER\_NOT\_INSTALLED:** Docker is not installed

**Severity:** Error

**Explanation:** ContainerMgr depends on docker to work properly. Docker RPM is not packaged with EOS.swi. docker.x86\_64.swix needs to be installed before ContainerMgr is configured.

**Recommended Action:** Install docker.x86\_64.swix, and then reconfigure ContainerMgr.

**IMAGE\_LOAD\_FAILED:** Image load from %s failed, container-runtime reported "%s".

**Severity:** Error

**Explanation:** Configured container image wasn't loaded successfully.

**Recommended Action:** Please check the configured image.

## 2.20 CPLD Messages

**HARDWARE\_KERNEL\_PANIC\_EEPROM\_RW\_FAIL:** CPLD 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.

**RELOAD\_CAUSE\_READ\_FAILED:** Software failed to read and clear the current reload cause stored in the CPLD.

**Severity:** Error

**Explanation:** Software tried to read and clear the current reload cause but failed. This was due to a communication error with the system's CPLD.

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

## 2.21 CPU Messages

**LOOPBACK\_UTILIZED:** Mirroring session [%s] is now utilizing a Loopback port

**Severity:** Notice

**Explanation:** A session for egress mirror to CPU is now using a Loopback port. This channel will recirculate egress traffic mirrored from the source interface to the CPU.

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

**RECIRC\_NOT\_PROGRAMMED:** Mirroring session [%s] requires a recirculation channel

**Severity:** Warning

**Explanation:** Creating more than one egress mirror to Cpu session requires a Recirc-Channel with at least one member port. The Recirc-Channel must also have the cpu-mirror feature set.

**Recommended Action:** Create a recirculation channel, add a port to it, and activate cpu-mirror.

**RECIRC\_UTILIZED:** Mirroring session [%s] is now utilizing a Recirc-Channel

**Severity:** Notice

**Explanation:** A session for egress mirror to CPU is now using a Recirc-Channel. This channel will recirculate egress traffic mirrored from the source interface to the CPU.

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

## 2.22 CSPF Messages

**DUPLICATE\_TE\_ROUTER\_ID:** TE router ID %s for %s router %s conflicts with router %s, router %s ignored

**Severity:** Warning

**Explanation:** Router with duplicate TE Router ID is ignored

**Recommended Action:** Please configure unique TE Router IDs

**ORR\_CLIENT\_NODE\_CHANGE:** BGP optimal route reflection client node for position %s changed from %s to %s in %s topology

**Severity:** Info

**Explanation:** The BGP optimal route reflection client node for a configured optimal route reflection position changed

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

**ORR\_UNSUPPORTED\_TOPOLOGY:** BGP optimal route reflection unsupported IGP topologies found

**Severity:** Error

**Explanation:** BGP optimal route reflection is only supported with IS-IS in instance 0 and level 2

**Recommended Action:** Unconfigure other IS-IS/OSPF protocols except IS-IS in instance 0 and level 2

## 2.23 CVX Messages

**CLIENT\_DEREGISTRATION:** CVX client %s (%s) has deregistered.

**Severity:** Info

**Explanation:** Indicates that a CVX client connection has been torn down.

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

**CLIENT\_REGISTRATION:** CVX client %s (%s) has registered.

**Severity:** Info

**Explanation:** Indicates that a CVX client has established a connection.

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

**CLUSTER\_MASTER:** CVX cluster master is %s (%s).

**Severity:** Info

**Explanation:** Indicates the master of a CVX cluster, as determined by the leader election protocol.

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

**CLUSTER\_STATE:** CVX cluster state is %s.

**Severity:** Info

**Explanation:** Indicates that this CVX cluster member has changed state, as determined by the leader election protocol.

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

**DEREGISTRATION:** Deregistered from %s (%s).

**Severity:** Info

**Explanation:** Indicates that a CVX connection has been torn down.

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

**HOSTNAME\_LOOKUP\_FAIL:** Resolution of CVX hostname '%s' failed

**Severity:** Error

**Explanation:** Switch failed to resolve the controller's hostname. Switch registration cannot proceed.

**Recommended Action:** Check the configured name or use the controller's IP address.

**HSC\_HOSTNAME\_COLLISION:** Multiple physical switches with hostname %s found; assigning %s until this is resolved

**Severity:** Error

**Explanation:** Indicates that multiple physical switches are using the same hostname.

**Recommended Action:** Alter the configuration on affected devices to eliminate the conflict.

**HSC\_INVALID\_VLAN\_MAP:** [ %s ]: Invalid Vlan map on %s VlanId: %s, Error: %s

**Severity:** Warning

**Explanation:** The controller specified a VLAN to logical switch mapping that cannot be implemented due to the current configuration of the switch.

**Recommended Action:** Inspect switch system logs for more information.

**HSC\_IP\_PORT\_ERROR:** [ %s ]: %s: %s: %s

**Severity:** Warning

**Explanation:** Indicates that the switch has been unable to create the routed interfaces requested by the NVC due to conflicting configurations or a lack of hardware resources.

**Recommended Action:** Verify that the routed interface requested by the NVC does not conflict with the local switch configurations.

**HSC\_IP\_UPLINK\_ERROR:** [ %s ]: %s: %s: %s

**Severity:** Warning

**Explanation:** Indicates that the switch has been unable to create the routed interfaces requested by the NVC due to conflicting configurations or a lack of hardware resources.

**Recommended Action:** Verify that the routed interface requested by the NVC does not conflict with local switch configurations.

**HSC\_LR\_CREATION\_ERROR:** [ %s ]: %s: %s

**Severity:** Warning

**Explanation:** Indicates that the switch has been unable to create the VRF requested by the NVC due to conflicting configurations or a lack of hardware resources.

**Recommended Action:** Verify that the VRF configuration requested by the NVC does not conflict with local switch configurations.

**HSC\_MAC\_TABLE\_EXHAUSTION\_ERROR:** [ %s ]: %s: %s: %s

**Severity:** Warning

**Explanation:** Indicates that the switch has been unable to process MAC entries requested by the NVC due to lack of table resources.

**Recommended Action:**

**HSC\_MANAGER\_CONNECTED:** Network virtualization controller %s is connected to OVSDB

**Severity:** Info

**Explanation:** The network virtualization controller has connected to OVSDB

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

**HSC\_MANAGER\_DISCONNECTED:** Network virtualization controller %s is disconnected from OVSDB

**Severity:** Warning

**Explanation:** The network virtualization controller has disconnected from OVSDB

**Recommended Action:** Verify the connection between the OVSDB and network virtualization controller.

**HSC\_STATIC\_ROUTES\_ERROR:** [ %s ]: %s: %s: %s

**Severity:** Warning

**Explanation:** Indicates that the switch has been unable to create the static routes requested by the NVC due to conflicting configurations.

**Recommended Action:** Verify that the static routes requested by the NVC does not conflict with local switch configurations.

**HSC\_UNSPECIFIED\_FAULT:** [ %s ]: %s: %s

**Severity:** Warning

**Explanation:** Indicates that an error has occurred in the switch but that no additional information is available.

**Recommended Action:** Inspect switch system logs for more information.

**HSC\_VIRTUAL\_ROUTER\_MAC\_ERROR:** [ %s ]: %s: %s

**Severity:** Warning

**Explanation:** Indicates that the switch has been unable to configure the Virtual Router MAC requested by the NVC due to conflicting configurations or a lack of hardware resources.

**Recommended Action:** Verify that the virtual MAC requested by the NVC does not conflict with local switch configurations.

**LEADER\_CHANGE:** CVX cluster leadership change: Leader is %s (%s), UUID %s

**Severity:** Info

**Explanation:** The CVX cluster leader has changed, as determined by the cluster members in the leader election protocol.

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

**MOUNT\_TIMEOUT:** %s is unable to mount from %s %s.

**Severity:** Error

**Explanation:** A mount request to synchronize state between CVX and switch has timed out. The services that depend on the state can be dysfunctional.

**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.

---

**MSS\_FIREWALL\_ACCESS\_ERROR:** Unable to access firewall %s: %s

**Severity:** Error

**Explanation:** Unable to access firewall

**Recommended Action:** Check firewall credentials and network reachability, contact Arista support as needed

**MSS\_FIREWALL\_ACCESS\_RECOVERED:** Access to firewall %s is restored

**Severity:** Error

**Explanation:** Access to firewall is restored

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

**MSS\_FIREWALL\_API\_ERROR:** Firewall %s API request failed: HTTP status %d, error code %s

**Severity:** Error

**Explanation:** Firewall API request failed

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

**MSS\_FIREWALL\_API\_RECOVERED:** Firewall %s API request succeeded

**Severity:** Error

**Explanation:** Firewall API request succeeded

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

**MSS\_FLOW\_NEXT\_HOP\_ERROR:** Unable to install MSS rule for policy %s of firewall %s, VRF %s (Failed to resolve next hop for %s)

**Severity:** Error

**Explanation:** Failed to resolve next hop for source IP in firewall's routing table

**Recommended Action:** Check firewall's routing table, contact Arista support as needed

**MSS\_GRACEFUL\_RESTART\_TIMEOUT:** A timeout occurred while waiting to receive the latest state from firewalls and switches at CVX.

**Severity:** Warning

**Explanation:** States of firewalls and switches did not converge within the graceful restart window of MSS. As a result, some churn may occur in policy enforcement.

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

**MSS\_HOST\_PROGRAM\_ERROR:** Unable to install MSS rule for host %s of firewall %s, VRF %s, Switch ID %s

**Severity:** Error

**Explanation:** Unable to install MSS rule for a host

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

**MSS\_HOST\_RECOVER:** MSS rule for host %s of firewall %s, VRF %s is out of error state

**Severity:** Error

**Explanation:** MSS rule for a host is out of error state

**Recommended Action:** No action is required

**MSS\_HOST\_UNPROGRAM\_ERROR:** Unable to uninstall MSS rule for host %s of firewall %s, VRF %s, Switch ID %s

**Severity:** Error

**Explanation:** Unable to uninstall MSS rule for a host

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

**MSS\_INCOMPATIBLE\_FW\_CONFIGURATION:** %s configuration is incompatible: %s

**Severity:** Error

**Explanation:** Device configuration is incompatible.

**Recommended Action:** Check device configuration. Contact your technical support representative as needed.

**MSS\_INVALID\_CONFIGURATION:** Configuration is invalid: %s

**Severity:** Error

**Explanation:** MSS configuration is invalid.

**Recommended Action:** Check MSS configuration. Contact your technical support representative as needed.

**MSS\_RULE\_PROGRAMMED:** MSS rule for policy %s of firewall %s, VRF %s was installed

**Severity:** Info

**Explanation:** MSS rule for a security policy was installed

**Recommended Action:** No action is required

**MSS\_RULE\_PROGRAM\_ERROR:** Unable to install MSS rule for policy %s of firewall %s, VRF %s, Switch ID %s

**Severity:** Error

**Explanation:** Unable to install MSS rule for a security policy

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

**MSS\_RULE\_RECOVER:** MSS rule for policy %s of firewall %s, VRF %s is out of error state

**Severity:** Error

**Explanation:** MSS rule for a security policy is out of error state

**Recommended Action:** No action is required

**MSS\_RULE\_UNPROGRAM\_ERROR:** Unable to uninstall MSS rule for policy %s of firewall %s, VRF %s, Switch ID %s

**Severity:** Error

**Explanation:** Unable to uninstall MSS rule for a security policy

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

**MSS\_SKIPPING\_POLICY:** Skipping policy %s from firewall %s, virtual instance %s: %s

**Severity:** Warning

**Explanation:** A tagged policy is ignored by MSS

**Recommended Action:** Check policy config, contact Arista support as needed

**MSS\_SOUTHBOUND\_REDIRECT:** Southbound redirect rules won't be installed from firewall %s, VRF %s

**Severity:** Info

**Explanation:** A default route on the firewall is needed to redirect southbound traffic to an east-west only firewall

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

**MSS\_ZONE\_INTERFACE\_DOWN:** Interface %s from firewall %s zone %s is down

**Severity:** Warning

**Explanation:** A source or destination zone interface is down

**Recommended Action:** Check firewall interface status, contact support as needed

**MSS\_ZONE\_INTERFACE\_UP:** Interface %s from firewall %s zone %s is up

**Severity:** Warning

**Explanation:** A source or destination zone interface is up

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

**OPENSTACK\_INVALID\_NETWORK\_VLAN:** OpenStack tried to allocate VLAN %d to network %s from outside the region's VLAN assignment

**Severity:** Warning

**Explanation:** When using the arista VLAN type driver, only VLANs from within the assigned VLAN pool may be allocated to OpenStack networks.

**Recommended Action:** If you do not wish to allocate this VLAN to an OpenStack network, no action is required. If you would like to allow OpenStack to provision this VLAN, then either use the default VLAN type driver or modify this region's VLAN assignment.

**PEER\_DEREGISTRATION:** CVX cluster peer %s (%s) has deregistered.

**Severity:** Info

**Explanation:** Indicates that a CVX cluster peer connection has been torn down.

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

**PEER\_REGISTRATION:** CVX cluster peer %s (%s) has registered.

**Severity:** Info

**Explanation:** Indicates that a CVX cluster peer connection has been established.

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

**PEER\_SERVICE\_COMPATIBLE:** Services of CVX cluster peer %s are compatible.

**Severity:** Info

**Explanation:** This message indicates that the services of the CVX cluster peer are fully compatible.

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

**PEER\_SERVICE\_INCOMPATIBLE:** Services %s of CVX cluster peer %s are incompatible.

**Severity:** Info

**Explanation:** This message indicates that one or more of the services of the CVX cluster peer are not compatible. The compatible services will continue to run and be failover ready.

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

**REGISTRATION:** Registered with %s (%s).

**Severity:** Info

**Explanation:** Indicates that a CVX connection has been established.

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

**SERVICE\_NEGOTIATION\_FAILURE:** Negotiation failed for service %s with CVX (%s, System ID: %s) because %s.

**Severity:** Error

**Explanation:** CVX may refuse to provide a service to the client if the service is not enabled or the service version is not compatible with the service versions supported by CVX.

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

**SSL\_CONN\_ERROR:** SSL error with peer IP address %s and port %s, message: %s

**Severity:** Error

**Explanation:** There's an SSL error, which may cause CVX connections to fail.

**Recommended Action:** Check if the SSL profiles and certificates have all required fields set properly.

**SSL\_ERROR:** SSL error: %s

**Severity:** Error

**Explanation:** There's an SSL error, which may cause CVX setup to fail.

**Recommended Action:** Check if the SSL profiles and certificates have all required fields set properly.

## 2.24 DATAPLANE Messages

**COUNTER\_ENGINE\_RESOURCE\_FULL:** Counter engine resources are insufficient to enable counters for feature %s on switch chip type %s

**Severity:** Warning

**Explanation:** The switch is unable to program the named counter feature due to insufficient counter engine resources on the named switch chip type.

**Recommended Action:** Use counter feature command (no hardware counter feature FEATURE) to disable some features

**COUNTER\_RESOURCE\_AVAILABLE\_EGRESS:** Hardware resource became available for egress counters

**Severity:** Info

**Explanation:** Counter pool is freed and hw resource became available for egress

**Recommended Action:** Use counter feature command (no hardware counter feature FEATURE) to disable some features

**COUNTER\_RESOURCE\_AVAILABLE\_INGRESS:** Hardware resource became available for ingress counters

**Severity:** Info

**Explanation:** Counter pool is freed and hw resource became available for ingress

**Recommended Action:** Use counter feature command (no hardware counter feature FEATURE) to disable some features

**COUNTER\_RESOURCE\_CONFLICT:** Counter resource conflict between features %s and %s

**Severity:** Warning

**Explanation:** The named counter features are mutually exclusive. Only one of them can be enabled.

**Recommended Action:** Use counter feature command to enable only one of the features

**COUNTER\_RESOURCE\_FULL\_EGRESS:** Hardware resource is insufficient to enable counters for egress

**Severity:** Warning

**Explanation:** The switch is unable to program counter feature due to insufficient hardware resources for egress counters.

**Recommended Action:** Use counter feature command (no hardware counter feature FEATURE) to disable some features

**COUNTER\_RESOURCE\_FULL\_INGRESS:** Hardware resource is insufficient to enable counters for ingress

**Severity:** Warning

**Explanation:** The switch is unable to program counter feature due to insufficient hardware resource for ingress counters.

**Recommended Action:** Use counter feature command (no hardware counter feature FEATURE) to disable some features

**COUNTER\_SOURCE\_RESOURCE\_FULL:** Counter source resources are insufficient to enable counters for feature %s on switch chip type %s

**Severity:** Warning

**Explanation:** The switch is unable to program the named counter feature due to insufficient counter source resources on the named switch chip type.

**Recommended Action:** Use counter feature command (no hardware counter feature FEATURE) to disable some features

**L2\_PROTOCOL\_FORWARDING\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program L2 protocol forwarding profile %s on %s

**Severity:** Error

**Explanation:** The switch is unable to program the L2 protocol forwarding profile

**Recommended Action:** Reconfigure the L2 protocol forwarding profile rules

**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\_INTERNAL\_SESSION\_RESOURCES\_UNAVAILABLE:** Insufficient hardware resources are available to program the internal session %s with destination interface %s.

**Severity:** Warning

**Explanation:** The switch is unable to program the internal mirror session because one or more modules does not have sufficient resources to program a mirror session.

**Recommended Action:** To solve this issue, unprogram a mirror session from all the modules that have all the mirror resources being used.

**MIRROR\_INVALID\_SESSION\_IN\_CUT\_THROUGH:** Attempt to add mirror source %s in mirror session %s has failed.

**Severity:** Warning

**Explanation:** This system does not support mirror sessions that have both ingress mirror sources and egress mirror sources to the same mirror destination port while in cut-through forwarding mode.

**Recommended Action:** To resolve the issue switch to store-and-forward forwarding mode where this mirroring configuration can be supported.

**MIRROR\_SESSION\_RESOURCES\_FULL:** Mirroring hardware resources are insufficient to program the mirror session %s.

**Severity:** Error

**Explanation:** The switch is unable to program the mirroring session due to the unavailability of hardware resources. The maximum mirror sessions limit has been exceeded. As a result this mirroring session is not operational.

**Recommended Action:** To solve this issue, remove a mirroring session or unconfigure a feature that is using a mirror session.

**MIRROR\_SOURCE\_RESOURCES\_FULL:** Insufficient hardware resources are available to add interface %s as a source to session %s. There is a maximum of %d bidirectional sources or %d unidirectional sources available for a mirror session.

**Severity:** Warning

**Explanation:** The switch is unable to program the source interface due to unavailability of hardware resources. The limit of source interfaces that can be programmed in a mirror session has been exceeded. As a result traffic on this interface shall not be mirrored.

**Recommended Action:** To solve this issue, remove a source interface or use fewer mirror sources in the mirror sessions 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, exceeding the limit of %d ( group address, VLAN ) pairs.

**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 ( 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.

**STORMCONTROLLER\_POLICER\_RESOURCE\_FULL:** Insufficient hardware resources to program the police action for the StormController setting on Unit %s Port %s TC %s

**Severity:** Error

**Explanation:** Remove some features using policer banks and reapply the StormController setting to the port or the traffic-class to enable police action

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

**TRUNCATION\_RESOURCE\_FULL:** Hardware resources are insufficient to enable truncation for group %s on Fap %d

**Severity:** Warning

**Explanation:** The switch is unable to program tap aggregation truncation for group %s on Fap %d due to insufficient hardware resources.

**Recommended Action:** It may happen if tap interfaces on the same Fap have forwarding rules toward tool interfaces on which egress truncation is turned on. Try to turn off egress truncation on the tool ports or remove the forwarding rules from the tap interfaces.

## 2.25 DHCP Messages

**ADDRESS\_ASSIGNMENT\_FAIL:** Interface %s failed to acquire an IP address

**Severity:** Warning

**Explanation:** The DHCP client for the named interface is unable to acquire an IP address. This could be because the DHCP server is unreachable or the server is unable to provide an address at this time.

**Recommended Action:** Check that there is a DHCP server in the network that is reachable from the named interface (directly or via a DHCP relay), and that the DHCP server is configured to provide an address for the named interface on the switch.

**ADDRESS\_ASSIGNMENT\_SUCCESS:** Interface %s assigned IP address %s/%s for %s seconds

**Severity:** Info

**Explanation:** A DHCP server responded with the IP address for the named interface. After the allotted time, this IP address will expire.

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

**ADDRESS\_EXPIRE:** Lease for IP address %s/%s on interface %s expired

**Severity:** Warning

**Explanation:** The IP address lease for the named interface has expired. The DHCP client for the interface is unable to acquire an IP address. This could be because the DHCP server is unreachable or the server is unable to provide an address at this time.

**Recommended Action:** Check that there is a DHCP server in the network that is reachable from the named interface (directly or via a DHCP relay), and that the DHCP server is configured to provide an address for the named interface on the switch.

**ADDRESS\_RELEASE:** Releasing IP address %s/%s on interface %s

**Severity:** Info

**Explanation:** Removing the DHCP client configuration from the named interface causes the system to release the address currently assigned to the interface.

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

## 2.26 DHCPRELAY Messages

**REQUEST\_FLOODING\_SUPPRESSION\_DISABLED:** DHCP/DHCPv6 client request flood suppression is non-operational

**Severity:** Info

**Explanation:** Enabling DHCP or DHCPv6 snooping will disable DHCP/DHCPv6 client request flood suppression

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

## 2.27 DIRECTFLOW Messages

**DROP\_LOG:** dropped: %s

**Severity:** Info

**Explanation:** Packet matched by DirectFlow has been dropped due to configured action

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

**IP\_VRF\_DUPLICATE\_ENDPOINT:** IP address %s in VRF %s is already in use by another endpoint.

**Severity:** Warning

**Explanation:** The specified IP address in VRF conflicts with the other DirectFlow endpoints

**Recommended Action:** To solve this conflict, please remove the configuration from all the conflicting DirectFlow endpoints and try again.

**MAC\_VLAN\_DUPLICATE\_ENDPOINT:** MAC address %s in VLAN %d is already in use by another endpoint.

**Severity:** Warning

**Explanation:** The specified MAC address in VLAN conflicts with the other DirectFlow endpoints

**Recommended Action:** To solve this conflict, please remove the configuration from all the conflicting DirectFlow endpoints and try again.

## 2.28 DMF Messages

**CONTROLLER\_DOWNLOAD\_FAILED:** Downloading %s from the DMF controller failed

**Severity:** Error

**Explanation:** The switch failed to download a file from the DMF controller. This led to failure of the handshake or syncing with the controller.

**Recommended Action:** Verify network reachability to the controller. The switch will continue to retry downloading the file.

**CONTROLLER\_HANDSHAKE\_COMPLETE:** The handshake with the DMF controller completed

**Severity:** Info

**Explanation:** The switch was able to connect to the controller and is running with the config and image provisioned by the DMF controller.

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

**CONTROLLER\_HANDSHAKE\_FAILED:** The handshake with the controller failed because %s

**Severity:** Error

**Explanation:** The switch downloads and installs the startup-config and the image received from the controller as part of the initial handshake. If these actions fail, the switch will continue to run with the existing running-config but the controller will not have impact on the switch.

**Recommended Action:** Verify the version of the controller and the image provisioned on the controller for the switch. The switch and the controller will continue to try to complete the handshake with each other.

**CONTROLLER\_HANDSHAKE\_INIT:** Initiating handshake with the DMF controller for provisioning the switch

**Severity:** Info

**Explanation:** DMF is configured. The switch is initiating a handshake with the DMF controller to become a member of the fabric.

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

**CONTROLLER\_SYNC\_COMPLETE:** Synchronization of the configuration and EOS image from the controller on the switch is complete

**Severity:** Info

**Explanation:** Upon receiving a request from the controller to resynchronize, the switch has downloaded the config and image from the controller and applied it successfully.

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

**CONTROLLER\_SYNC\_FAILED:** Synchronizing with the controller failed because %s

**Severity:** Error

**Explanation:** After downloading the config or image from the controller, the switch attempted to install it. The sync operation is determined as failed if the config contains invalid commands or if the image is invalid.

**Recommended Action:** Verify the version of the controller and the image provisioned on the controller for the switch.

**CONTROLLER\_SYNC\_START:** Synchronizing the configuration and image with the controller started

**Severity:** Info

**Explanation:** The switch received a request from the controller to synchronize the config and the EOS image. It will download the config and image from the controller. If this operation does not complete in 90 seconds, serving the request will be aborted.

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

**CONTROLLER\_SYNC\_TIMEOUT:** Synchronizing the configuration and image with the controller timed out

**Severity:** Error

**Explanation:** After attempting to download the manifest, config or image and applying them, the switch has set the result of sync request as timed out.

**Recommended Action:** Verify network reachability to the controller and zerotouch status on the controllers.

## 2.29 DOT1X Messages

**AAA\_UNRESPONSIVE\_FALLBACK:** %s with identity %s and MAC %s on port %s could not be authenticated because the AAA server is unresponsive. The supplicant will be put in %s VLAN %s.

**Severity:** Error

**Explanation:** The AAA server timed out while authenticating a supplicant

**Recommended Action:** Check the availability and reachability of the AAA server

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

**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 message has been dropped.

**Severity:** Warning

**Explanation:** None of the accounting servers are responsive, and the switch has dropped the message.

**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.

**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).

**AV\_PAIR\_ERROR:** Failed to handle AV pair for attribute %s: %s

**Severity:** Error

**Explanation:** We encountered an error in processing an attribute-value pair sent by AAA server

**Recommended Action:** Investigate AAA server configuration.

**DUPLICATE\_SUPPLICANT:** Supplicant with MAC %s authenticated on port %s attempted to communicate using the 802.1X protocol on another port %s.

**Severity:** Error

**Explanation:** An authenticated supplicant appeared on another port.

**Recommended Action:** The supplicant will need to log off on former port in order to log on another port

**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.

**NO\_AUTHN\_METHODLIST:** No authentication method list configured for 802.1x

**Severity:** Error

**Explanation:** An attempt to authenticate a port failed because there is no authentication method list configured for 802.1x.

**Recommended Action:** Add an authentication method list for 802.1x.

**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.

**Recommended Action:** Add at least one RADIUS server to the server group.

**RADIUS\_FRAMED\_MTU\_EXCEEDED:** Received from RADIUS server '*%s*' a packet *%d* bytes long which exceeds the configured Framed-MTU of *%d* bytes; Rejecting the Supplicant.

**Severity:** Error

**Explanation:** The RADIUS server did not honor the Frame-MTU attribute sent by the NAS.

**Recommended Action:** Either increase the MTU of the port which is to be authenticated, or configure the RADIUS server to honor the Frame-MTU attribute in an Access-Request packet.

**SESSION\_REPLACE\_DETECTED:** *%u* session replacements in *%s* seconds detected on single host interface *%s*

**Severity:** Warning

**Explanation:** Multiple supplicants are communicating on single host port with session replace enabled which will lead to the supplicants replacing each other indefinitely. This message will continue to be logged every 30s until continuous session replacements are no longer detected

**Recommended Action:** Investigate if multiple supplicants are communicating on the port. Please ensure that there is only one supplicant communicating on the single host port.

**SUPPLICANT\_AUTHENTICATED:** Supplicant with identity *%s*, MAC *%s* and dynamic VLAN *%s* successfully authenticated on port *%s*.

**Severity:** Info

**Explanation:** A supplicant was successfully authenticated on a 802.1X enabled port.

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

**SUPPLICANT\_AUTH\_FAILED:** A Dot1x supplicant failed authentication on interface *%s* with EAP method *%s*, identity *%s* and mac *%s*.

**Severity:** Error

**Explanation:** A Dot1x supplicant failed to authenticate with an authenticator.

**Recommended Action:** Verify that the credentials provided for the supplicant are correct and match what the authenticator expects.

**SUPPLICANT\_AUTH\_SUCCEEDED:** A Dot1x supplicant has successfully authenticated on interface *%s* with EAP method *%s*, identity *%s* and mac *%s*.

**Severity:** Info

**Explanation:** A Dot1x supplicant successfully authenticated with an authenticator.

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

**SUPPLICANT\_BLOCKED\_AND\_LOG\_OFF:** Supplicant with identity *%s* and MAC *%s* was blocked via dynamic authorization and has been logged off of interface *%s*.

**Severity:** Info

**Explanation:** Authenticated supplicant has been logged off after receiving a dynamic authorization message from radius server.

**Recommended Action:** The supplicant is blocked, which can be verified with 'show dot1x hosts blocked' output. Unblock the supplicant via dynamic authorization to allow authentication

**SUPPLICANT\_FAILED\_ACL\_AUTHORIZATION:** Supplicant with identity *%s*, MAC *%s* and dynamic VLAN *%s* successfully authenticated but failed authorization on port *%s* because *%s*.

**Severity:** Error

**Explanation:** A supplicant was not authorized on a 802.1X enabled port due to an issue with ACL config received by AAA server or ACL config on the switch

**Recommended Action:** Investigate AAA server configuration and ACL config on the switch

**SUPPLICANT\_FAILED\_ACL\_AUTHORIZATION\_AFVLAN:** Supplicant with identity *%s*, MAC *%s* and dynamic VLAN *%s* successfully authenticated but failed authorization on port *%s* because *%s*. The supplicant will be put in auth-fail VLAN *%s*.

**Severity:** Error

**Explanation:** A supplicant was not authorized on a 802.1X enabled port due to an issue with ACL config received by AAA server or ACL config on the switch

**Recommended Action:** Investigate AAA server configuration and ACL config on the switch

**SUPPLICANT\_FAILED\_AUTHENTICATION:** Supplicant with identity %s, MAC %s and dynamic VLAN %s failed authentication on port %s.

**Severity:** Error

**Explanation:** A supplicant attempted to authenticate using 802.1X but did not have the proper credentials.

**Recommended Action:** Verify the credentials the supplicant has for the identity it provided.

**SUPPLICANT\_FAILED\_AUTHENTICATION\_AFVLAN:** Supplicant with identity %s, MAC %s and dynamic VLAN %s failed authentication on port %s. The supplicant will be put in auth-fail VLAN %s

**Severity:** Error

**Explanation:** A supplicant attempted to authenticate using 802.1X but did not have the proper credentials.

**Recommended Action:** Verify the credentials the supplicant has for the identity it provided.

**SUPPLICANT\_FAILED\_AUTHORIZATION:** Supplicant with identity %s, MAC %s and dynamic VLAN %s successfully authenticated but failed authorization on port %s.

**Severity:** Error

**Explanation:** A supplicant was not authorized on a 802.1X enabled port due to an incorrect or missing dynamic VLAN ID.

**Recommended Action:** Investigate if the dynamic VLAN ID associated with the supplicant matches that of the port.

**SUPPLICANT\_FAILED\_AUTHORIZATION\_AFVLAN:** Supplicant with identity %s, MAC %s and dynamic VLAN %s successfully authenticated but failed authorization on port %s. The supplicant will be put in auth-fail VLAN %s.

**Severity:** Error

**Explanation:** A supplicant was not authorized on a 802.1X enabled port due to an incorrect or missing dynamic VLAN ID.

**Recommended Action:** Investigate if the dynamic VLAN ID associated with the supplicant matches that of the port.

**SUPPLICANT\_FAILED\_INTERNAL\_VLAN\_CONFLICT:** Supplicant with identity %s, MAC %s and dynamic VLAN %s successfully authenticated but failed authorization on port %s.

**Severity:** Error

**Explanation:** A supplicant was not authorized on a 802.1X enabled port due to conflicting internal vlan

**Recommended Action:** Investigate if the dynamic VLAN ID associated with the supplicant conflicts with any of the internal vlans

**SUPPLICANT\_FALLBACK\_TO\_MBA:** Supplicant with identity %s and MAC %s on interface %s failed EAPOL authentication. Falling back to MBA.

**Severity:** Info

**Explanation:** The supplicant failed EAPOL authentication. Authentication failure fallback is enabled, so falling back to MBA for the supplicant.

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

**SUPPLICANT\_FORCEFULLY\_AUTHORIZED:** Phone with identity %s and MAC %s forcefully authorized on port %s and VLAN %s

**Severity:** Info

**Explanation:** A phone supplicant was forcefully authorized on a 802.1X enabled port.

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

**SUPPLICANT\_IDLE\_TIMEOUT:** Supplicant with identity %s and MAC %s has logged off of port %s due to their idle timeout timer expiring after a period of inactivity.

**Severity:** Info

**Explanation:** A supplicant that was associated with an 802.1X port has logged off after a period of inactivity.

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

**SUPPLICANT\_INCOMPLETE\_CONFIGURATION:** A Dot1x supplicant is incompletely configured on interface %s. Missing configuration is %s.

**Severity:** Error

**Explanation:** A Dot1x supplicant failed to start owing to incomplete configuration information.

**Recommended Action:** Provide the missing configuration information through CLI.

**SUPPLICANT\_LOG\_OFF:** Supplicant with identity %s and MAC %s has logged off of port %s.

**Severity:** Info

**Explanation:** A supplicant that was associated with an 802.1X port has logged off of it.

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

**SUPPLICANT\_MOVE\_DETECTED:** Supplicant with MAC %s has moved from port %s to another port %s.

**Severity:** Info

**Explanation:** An authenticated supplicant appeared on another port. Session move is enabled and the session on the former port has been cleaned up.

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

**SUPPLICANT\_MULTIPLE\_SUPPLICANTS\_COMMUNICATING:** Supplicant with MAC %s on port %s attempted to %sbut MAC %s is already associated with this port.

**Severity:** Warning

**Explanation:** Only one MAC address can be associated with an 802.1X port at a time for communicating 802.1X operations.

**Recommended Action:** Investigate if the latter supplicant should be the one authenticating. The former supplicant will need to log off or time out to allow the latter supplicant to authenticate.

**SUPPLICANT\_REMOVED:** Supplicant with MAC %s has been removed from port %s.

**Severity:** Info

**Explanation:** A supplicant that was associated with an 802.1X port has been removed.

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

**SUPPLICANT\_TIMEOUT:** Supplicant with identity %s and MAC %s timed out during authentication on port %s.

**Severity:** Warning

**Explanation:** A supplicant timed out during the authentication sequence on a 802.1X enabled port.

**Recommended Action:** Examine the authentication software used if this persists.

**SUPPLICANT\_UNRESPONSIVE:** Unresponsive supplicant with MAC %s on interface %s moved to VLAN %s.

**Severity:** Info

**Explanation:** Supplicant not responding to 802.1x packet

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

**TAGGED\_SUPPLICANT\_FAILED\_AUTHORIZATION:** Supplicant with identity %s, MAC %s successfully authenticated but failed authorization on port %s.

**Severity:** Error

**Explanation:** VLAN received from AAA server %s, VLAN on packets %d.

**Recommended Action:** Verify the VLAN Id and Supplicant VLAN.

**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.

## 2.30 DUPLICATE Messages

**ROUTE\_WARNING:** Neighbor entry %s generates attached-host route %s, also generated by another pre-existing neighbor entry %s, both matching to same configured match-prefix %s

**Severity:** Warning

**Explanation:** Multiple neighbor entries matching to a same match-prefix generates same attached-host route

**Recommended Action:** Increase the configured export prefix-length for this match-prefix.

## 2.31 DYN Messages

**VLAN\_REJECT:** Dynamic VLAN %s requested by %s was rejected.

**Severity:** Warning

**Explanation:** Dynamic VLAN configuration needs to be synchronized with the allowed dynamic range on the switch.

**Recommended Action:** Please update the source configuration to use VLANs from within the locally allowed dynamic VLAN range.

## 2.32 ENVMON Messages

**ADT7483\_NOT\_UPDATING:** %s is not updating correctly

**Severity:** Warning

**Explanation:** The temperature sensor is not updating correctly and may be showing an incorrect temperature

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

**ADT7483\_RECOVERED:** %s has started updating correctly

**Severity:** Warning

**Explanation:** The temperature sensor was not updating correctly but has now recovered

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

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

**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., port-side intake vs port-side exhaust 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.

**FABRIC\_MISSING:** %d fabric card(s) missing.

**Severity:** Emergency

**Explanation:** The specified number of fabric cards are missing from the system.

**Recommended Action:** Insert the missing fabric cards.

**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\_AIRFLOW\_DIRECTION\_INCORRECT:** Airflow of %s is incompatible with the system airflow.

**Severity:** Emergency

**Explanation:** The specified fan's airflow is opposite to the correct system airflow.

**Recommended Action:** Replace the fan with a fan that has correct airflow.

**FAN\_AIRFLOW\_DIRECTION\_OK:** Airflow of %s has been restored to compatible with the system airflow.

**Severity:** Emergency

**Explanation:** The specified fan's airflow was previously wrong but is now correct.

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

**FAN\_FAULT:** %s logged a fan fault.

**Severity:** Error

**Explanation:** This may be caused by a defective fan or an overcurrent condition.

**Recommended Action:** Please try to re-seat the fan. If the problem persists, replace the specified fan as soon as possible.

**FAN\_FAULT\_OK:** %s has recovered from a fan fault.

**Severity:** Error

**Explanation:** The specified fan previously had an overcurrent condition but is now ok.

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

**FAN\_SPEED\_FORCED:** All fan speeds have been forced to %d percent because one or more of the following conditions have positive quantities : %s.

**Severity:** Notice

**Explanation:** System and PSU fan speeds forced to a set number.

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

**FAN\_SPEED\_NORMAL:** All fan speeds have returned to normal operation.

**Severity:** Notice

**Explanation:** Conditions that mandate using a set speed have subsided.

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

**FAN\_SPEED\_OK:** The speed of %s has recovered.

**Severity:** Error

**Explanation:** The specified fan was previously too slow or too fast but is now ok.

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

**FAN\_SPEED\_STABLE:** The speed of the fan %s has been stabilized

**Severity:** Info

**Explanation:** The fan speed's stability is changed to the value shown

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

**FAN\_SPEED\_TOO\_FAST:** The speed of %s is faster 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, replace the specified fan as soon as possible.

**FAN\_SPEED\_TOO\_SLOW:** The speed of %s is slower than its configured value.

**Severity:** Error

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

**Recommended Action:** Please try to re-seat the fan. If the problem persists, replace the specified fan as soon as possible.

**FAN\_SPEED\_UNSTABLE:** The speed of the fan %s is being stabilized

**Severity:** Info

**Explanation:** The fan speed's stability is changed to the value shown

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

**FORCED\_SYSTEM\_TEMP:** The system temperature is forced to %d due to the presence of %s file

**Severity:** Warning

**Explanation:** This may be caused by a leftover debug file.

**Recommended Action:** Please remove the debug file if not needed.

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

**Severity:** Emergency

**Explanation:** All fans must be the same type (i.e. port-side intake or port-side exhaust) 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., port-side intake vs port-side exhaust airflow), and replace any differing fan(s) immediately.

**INSUFFICIENTFANSDETECTED:** Too few working fans detected. If not resolved, the %s will be %s in %d minute(s).

**Severity:** Emergency

**Explanation:** Not enough fans of the correct type are functioning and the system will be shut down or power cycled 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:** %s being %s 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 or power cycled 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.

**PSU\_FANS\_INCOMPATIBLE:** 2 or more incompatible power supply fans have been detected. If not resolved, the system will be shut down in %d minute(s).

**Severity:** Emergency

**Explanation:** At most one PSU fan can be incompatible, but more than one incompatible PSU fans have been detected. The system will be shut down if the problem is not resolved.

**Recommended Action:** Replace any incompatible PSU(s) immediately.

**PSU\_FANS\_OK:** Previously incompatible power supply fans have been restored to be compatible with the system airflow. The system will not shut down.

**Severity:** Emergency

**Explanation:** At least all but one PSU fans must match the system airflow, and they do now.

**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.

**SYSTEMOVERHEATPOWERCYCLE:** System temperature critical and will be power-cycled %s

**Severity:** Emergency

**Explanation:** The system has surpassed its critical temperature and will be power-cycled 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.

**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.

**SYSTEM\_AIRFLOW\_DIRECTION\_ELECTED:** The correct airflow for the system is %s.

**Severity:** Notice

**Explanation:** Correct system airflow either found for first time or changed.

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

---

**SYSTEM\_FANS\_MISSING\_FAILED:** %d system fan(s) missing or failed.

**Severity:** Emergency

**Explanation:** The specified number of system fans are missing from the system.

**Recommended Action:** Insert the missing fans and replace the failed fans.

**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.

**TEMPSENSOR\_GROUP\_FAILURE\_SHUTDOWN:** '%s' temperature sensors on %s have failed, and the card is being shutdown.

**Severity:** Emergency

**Explanation:** All the temperature sensors in the specified group have failed, and the card 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.

**TEMPSENSOR\_GROUP\_FAILURE\_WARNING:** '%s' temperature sensors on %s have failed.

**Severity:** Error

**Explanation:** If none of the failed temperature sensors of the group recover, the card 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.

**TEMPSENSOR\_GROUP\_OK:** Failed temperature sensor group(s) on %s have recovered.

**Severity:** Error

**Explanation:** One or more temperature sensors in all the groups that had failed have recovered.

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

**TEMPSENSOR\_OVERHEAT\_CRITICAL:** %s is reporting %sC, which is above its critical threshold of %dC

**Severity:** Emergency

**Explanation:** The specified temp sensor is reporting a temperature above its critical threshold. The system will disable the overheating component to prevent damage.

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

**TEMPSENSOR\_OVERHEAT\_WARNING:** %s is reporting %sC, which is above its overheat threshold of %dC

**Severity:** Error

**Explanation:** The specified temp sensor is reporting a temperature above its overheat threshold, indicating a component is overheating.

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

**TEMPSENSOR\_TEMP\_NORMAL:** %s is reporting %sC, which is within the normal range

**Severity:** Error

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

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

**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.

## 2.33 EOAM Messages

**ACTION\_NOT\_SUPPORTED:** The action %s in Profile %s, error type %s is not supported. no action will be taken

**Severity:** Warning

**Explanation:**

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

**ACTION\_NOT\_SUPPORTED\_CLEARED:** The action %s in Profile %s, error type %s, is applied.

**Severity:** Warning

**Explanation:**

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

**INTERFACE\_RECOVERED:** The interface %s has now been recovered, after %s

**Severity:** Warning

**Explanation:**

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

**THRESHOLD\_EXCEEDED:** The number of %s errors on interface %s exceeded the configured threshold %d.

Action %s is being taken.

**Severity:** Warning

**Explanation:**

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

## 2.34 EOS Messages

**ARCHIVE\_FS\_ERROR:** An error occurred getting filesystem information for the archive destination path: %s

**Severity:** Error

**Explanation:** We are unable to get filesystem information for the destination path or the mountpoint of the filesystem. This means the path does not exist or the filesystem is not mounted.

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

**ARCHIVE\_INV\_CONFIG\_ERROR:** Unable to use the currently configured archive

**Severity:** Error

**Explanation:** Unable to read the configuration file /mnt/flash/.arista\_archive\_config or its content is invalid.

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

**ARCHIVE\_NO\_CONFIG\_ERROR:** Unable to get the currently configured archive

**Severity:** Error

**Explanation:** File /mnt/flash/.arista\_archive\_config does not exist.

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

**ARCHIVE\_QUOTACMD\_ERROR:** An error occurred managing linux quota: %s

**Severity:** Error

**Explanation:** Updating quota limit failed. It could mean that the filesystem is mounted without quota options or that the quota database file aquota.user is missing or corrupted.

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

## 2.35 ETH Messages

**ARP\_CACHE\_CLEAR:** ARP cache of VRF %s 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.

**ARP\_CACHE\_INTERFACE\_CLEAR:** ARP cache of VRF %s for interface %s cleared by %s on %s (%s)

**Severity:** Notice

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

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

**ARP\_CACHE\_IP\_CLEAR:** IP (%s) cleared from ARP cache of VRF %s by %s on %s (%s)

**Severity:** Notice

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

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

**AUTONEGUNSUPPORTED:** 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.

**CONGESTION\_DROPS:** Interface %s is experiencing congestion drops, %s

**Severity:** Info

**Explanation:** The interface's frame buffer limits have been exceeded, causing packets to be dropped

**Recommended Action:** If the problem persists, consider redesigning your network to avoid congestion

**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.

**IPv6\_NEIGHBOR\_CLEAR:** IPv6 neighbors of VRF %s cleared by %s on %s (%s)

**Severity:** Notice

**Explanation:** IPv6 neighbors cleared by CLI command

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

**IPv6\_NEIGHBOR\_INTERFACE\_CLEAR:** IPv6 neighbors of VRF %s for interface %s cleared by %s on %s (%s)

**Severity:** Notice

**Explanation:** IPv6 neighbors for interface cleared by CLI command

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

**IPV6\_NEIGHBOR\_INTERFACE\_IP\_CLEAR:** IP (%s) cleared from IPv6 neighbors of VRF %s for interface %s by %s on %s (%s)

**Severity:** Notice

**Explanation:** IP cleared from IPV6 interface by CLI command

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

**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, %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.

**MAINTENANCE\_DOWN:** Interface %s has been shutdown for maintenance.

**Severity:** Info

**Explanation:** This interface has been shutdown for maintenance.

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

**NETLINKFAIL:** Cannot init netlink stats cache : %s Error %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.

**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.

**PORT\_ID\_ERROR:** Unable to allocate a port ID for interface %s

**Severity:** Error

**Explanation:** No unallocated port ID's are available.

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

**PORT\_ID\_LIMIT\_EXCEEDED:** Ethernet port ID allocation exceeds maximum limit of %d. Some allocations are pending.

**Severity:** Error

**Explanation:** Some interface do not have port ID allocated and stay in pending allocation state. It can be a transient state during a bootup or a config change. Some interfaces might transition to inactive and free up port IDs.

**Recommended Action:** Determine if there is no more than maximum active interfaces in configuration.

**PORT\_ID\_LIMIT\_OK:** Ethernet port ID allocation is within maximum limit. All allocations have succeeded.

**Severity:** Error

**Explanation:** Some interfaces have transitioned to inactive and freed up port IDs that are now assigned to previously pending port ID allocation active interfaces.

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

**PORT\_MODE\_COMPATIBLE:** Speed on interface %s is now compatible with the speed on %s.

**Severity:** Warning

**Explanation:** Interface speed configurations may affect other ports and be incompatible with each other – correcting an incompatibility clears the misconfiguration.

**Recommended Action:** This behavior is expected.

**PORT\_MODE\_INCOMPATIBLE:** Speed on interface %s is incompatible with the speed on %s.

**Severity:** Warning

**Explanation:** Interface speed configurations may affect other ports and be incompatible with each other, which causes a misconfiguration.

**Recommended Action:** This behavior is expected.

**PORT\_MODE\_INCOMPATIBLE\_IN\_SPEED\_GROUP:** Speed on interface %s is incompatible with the setting of speed group %s.

**Severity:** Warning

**Explanation:** The interface speed configuration and speed group configuration are incompatible with each other.

**Recommended Action:** This behavior is expected.

**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.

**STORMCONTROL\_DISCARDS:** Storm Control discarded packets on Interface %s: UUcast %L, Broadcast %L, Multicast %L, All %L

**Severity:** Info

**Explanation:** The interface's traffic is exceeding the configured storm-control threshold causing packets to be discarded

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

**UNKNOWN\_MULTICAST\_FORWARDING\_DISABLED:** IPv4 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:** IPv4 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.

**UNKNOWN\_MULTICAST\_V6\_FORWARDING\_DISABLED:** IPv6 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 MLD 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\_V6\_FORWARDING\_RESUMED:** IPv6 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 MLD 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\_MAC\_LIMIT\_REACHED:** Configured limit of %d for locally learned MAC entries reached for VLAN %d. No new MAC entries will be learned on the specified VLAN but bridging will continue.

**Severity:** Info

**Explanation:** Configuration is limiting the number of locally learned MAC entries on the specified VLAN and the limit is reached. Bridging will continue as normal but no new MAC entries will be learned on this VLAN until the VLAN is no longer at limit.

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

**VLAN\_MAPPING\_CONFLICT:** VLAN mapping %d to %d for interface %s on %s required by %s is already in use by %s

**Severity:** Warning

**Explanation:** The specified VLAN mapping has already been programmed, and now conflicts with the other source

**Recommended Action:** To solve this conflict, please remove the configuration from one of the sources and try again.

**VLAN\_MAPPING\_PROGRAMMED:** VLAN mapping %d to %d for interface %s on %s required by %s is now programmed

**Severity:** Warning

**Explanation:** The conflicting config from the other source has been removed and the config from this source has been programmed

**Recommended Action:** No action is needed

**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. 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.

**VRF\_ASSIGNMENT\_FAILED:** Failed to assign interface %s to %s

**Severity:** Warning

**Explanation:** An attempt to assign the interface to a VRF failed.

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

**VXLAN\_CORE\_SIDE\_FLOODSET\_FORWARDING\_DISABLED:** Traffic sent to the vxlan core side 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 vxlan core side 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

**VXLAN\_CORE\_SIDE\_FLOODSET\_FORWARDING\_RESUMED:** Traffic sent to the vxlan core side floodset will be forwarded normally in vlan %d

**Severity:** Error

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

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

## 2.36 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.

## 2.37 EVPN Messages

**AD\_ROUTE\_RT\_LIMIT\_EXCEED:** Per MAC-VRF export RT count limit of %u exceeded during AD per ES route advertisement

**Severity:** Error

**Explanation:** One of the MAC-VRFs is found to have export RT count greater than the supported max limit. The advertised AD per ES routes may not have all the configured export RTs of respective MAC-VRFs

**Recommended Action:** Verify that number of export RTs in MAC-VRFs sharing an ES are within the supported count limit.

**DEFAULT\_GATEWAY\_IP\_NOT\_PRESENT:** Received default-gateway extended community for IP address %s on VLAN: %d that is not configured as default-gateway IP on this device

**Severity:** Error

**Explanation:** Received an EVPN type2 MAC-IP advertisement with default-gateway extended community with IP address that is not configured as default gateway ( virtual address ) on this device

**Recommended Action:** Check the virtual IP address configuration on both devices and correct them to have identical virtual IP addresses

**DF\_ELECTION\_CONFLICT:** Originating router IP conflict detected for esid %s

**Severity:** Error

**Explanation:** A remote PE sent an ES route with originating router IP that matches the one used by local PE. The DF election result may not be correct.

**Recommended Action:** Verify that the BGP peers are configured properly.

**DROP\_TXUPDATE\_NEXTHOPSELF\_NOT\_SUPPORTED:** Dropped %s updates as nexthop-self is not supported for this Evpn route type

**Severity:** Error

**Explanation:** Evpn doesn't support nexthop-self for this route type

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

**DUP\_VNI\_ROUTERMAC:** Evpn nexthop (vtep: %s, vni: %d, router mac: %s) has been ignored: vni %d, router mac %s cannot be present on multiple vteps.

**Severity:** Error

**Explanation:** An evpn nexthop has been ignored because (vni, router mac) of the nexthop is present on multiple vteps. In Arista EOS, a (vni, router mac) can be present only on one vtep.

**Recommended Action:** Change the configuration on the vteps so that a (vni, router mac) is present only on one vtep.

**DUP\_VNI\_ROUTERMAC\_CLEAR:** Evpn nexthop conflict for (vni: %d, router mac: %s) is resolved.

**Severity:** Info

**Explanation:** An evpn nexthop was ignored earlier because the (vni, router mac) of the nexthop was present on multiple vteps. The nexthop is no longer ignored because (vni, router mac) of the nexthop is now present only on one vtep.

**Recommended Action:** No action is required. An error condition got cleared.

**INVALID\_ETID:** Invalid Ethernet tag in EVPN path %s

**Severity:** Warning

**Explanation:** The Ethernet tag advertised with the EVPN path is MAX\_ETID (0xffffffff), which is invalid. This is indicative of a malformed incoming BGP update message.

**Recommended Action:** Contact your technical support representative for the BGP peer device

**INVALID\_TUNNEL\_ENCAP:** Unsupported tunnel encapsulation for EVPN path %s

**Severity:** Warning

**Explanation:** The prefix advertised in the EVPN path is not reachable through VXLAN encapsulation, Arista EOS only supports VXLAN tunneling

**Recommended Action:** Verify that the BGP peer that originated / advertised the EVPN path is configured to support VXLAN encapsulation.

**INVALID\_VTEP\_IP:** Invalid VTEP address for EVPN path %s

**Severity:** Warning

**Explanation:** The VTEP IP advertised with the EVPN path is not a valid unicast IP address

**Recommended Action:** Verify the VXLAN VTEP IP configuration on the BGP peer

**INVALID\_VTEP\_ROUTER\_MAC:** Invalid VTEP router MAC for EVPN path %s

**Severity:** Warning

**Explanation:** The MAC address advertised with the EVPN path is not a valid unicast MAC address

**Recommended Action:** Verify the router MAC configuration on the BGP peer

**MAC\_VRF\_MAX\_ROUTES\_EXCEEDED:** MAC-VRF %s has exceeded its configured maximum total number of routes (%d)

**Severity:** Notice

**Explanation:** EVPN has received more routes than it is configured to accept for this MAC-VRF

**Recommended Action:** Determine whether the number of installed routes on this MAC-VRF is acceptable. If yes, increase the maximum-routes limit. If no, consider clearing dynamically learned MAC entries on this MAC-VRF or try to reduce the routes being shared by peers that export this MAC-VRF.

**MAX\_L2ECMP\_EXCEEDED:** The number of multi-homed edges connected to ESI %s has exceeded the maximum number for load balancing. Traffic forwarding will be limited to %d destination TEPs.

**Severity:** Warning

**Explanation:** The number of available TEPs for a Ethernet Segment exceeds the maximum supported for load balancing.

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

**MPLS\_ARP\_SUPPRESSION\_ESI\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to process incoming ARP requests

**Severity:** Error

**Explanation:** The device may not send the ESI label for ARP requests ingressing on the device.

**Recommended Action:** Reconfigure the network to reduce the scale of the ethernet segments.

**MPLS\_ARP\_SUPPRESSION\_ESI\_HW\_RESOURCE\_NORMAL:** Hardware resources are available to process incoming ARP requests

**Severity:** Error

**Explanation:** The device will send the ESI label for ARP requests ingressing on the device.

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

**MPLS\_SHARED\_ESI\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to allocate the shared ESI label for all the peers of some ethernet segments.

**Severity:** Error

**Explanation:** The switch may send the ESI label only to the designated forwarder of some ethernet segments.

**Recommended Action:** Reconfigure the network to reduce the number of peers for ethernet segments with shared ESI label configured.

**MPLS\_SHARED\_ESI\_HW\_RESOURCE\_NORMAL:** Hardware resources are available to send shared ESI label to all the peers of all ethernet segments.

**Severity:** Error

**Explanation:** The switch will send the shared ESI label to all the peers of all the ethernet segments.

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

**MPLS\_SHARED\_ESI\_INDEX\_CONFLICT:** EVPN MPLS shared ESI index %d is configured on multiple interfaces. Shared ESI labelling will be disabled for all interfaces with this conflicting ESI index

**Severity:** Error

**Explanation:** Multiple interfaces are sharing an ESI label, causing the shared ESI label feature to be disabled

**Recommended Action:** Adjust the local BGP configuration

---

**MPLS\_SHARED\_ESI\_INDEX\_CONFLICT\_RECOVERY:** EVPN MPLS shared ESI index %d is no longer configured on multiple interfaces

**Severity:** Error

**Explanation:** An ESI label that was assigned to multiple interfaces now belongs to at most one

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

**NON\_ZERO\_ESI:** EVPN path not considered for import, multi-homing is not supported: %s

**Severity:** Warning

**Explanation:** The segment identifier advertised with the EVPN path is non-zero. Arista EOS does not support multi-homing for EVPN IP prefix routes

**Recommended Action:** Adjust the EVPN configuration on the BGP peer

**NON\_ZERO\_ETID:** Unsupported Ethernet tag in EVPN path %s

**Severity:** Warning

**Explanation:** The Ethernet tag advertised with the EVPN path is non-zero. Arista EOS does not support VLAN-aware mode for IP prefix routes

**Recommended Action:** Adjust the EVPN configuration on the BGP peer

**NON\_ZERO\_GATEWAY\_ADDRESS:** Unsupported gateway address in EVPN path %s

**Severity:** Warning

**Explanation:** The gateway address advertised with the EVPN path is non-zero. Arista EOS does not support non-zero gateway addresses for EVPN IP prefix routes

**Recommended Action:** Adjust the EVPN configuration on the BGP peer

**SUPPRESSED\_DUPLICATE\_MAC:** MAC address %s on VLAN %u has been suppressed for moving %u or more times within the past %f seconds

**Severity:** Error

**Explanation:** This MAC address has been flapping between local and remote EVPN peers. EVPN routes for this address will be ignored until the conflict is resolved.

**Recommended Action:** Take corrective action to resolve MAC conflict. Call 'clear bgp evpn host-flap' to remove MACs from the suppression list.

**SUPPRESSED\_DUPLICATE\_MAC\_RECOVERY:** MAC address %s on VLAN %u has been removed from the MAC move suppression list

**Severity:** Error

**Explanation:** MAC address that was suppressed for exceeding the host flap threshold has been cleared from the suppression list.

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

**UNSUPPORTED\_VNI:** Unsupported VNI for EVPN path %s

**Severity:** Warning

**Explanation:** Arista EOS does not support VNI 0 for L3 EVPN

**Recommended Action:** Verify that the BGP peer that originated / advertised the EVPN path is configured with non-zero VNI.

## 2.38 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.

**LOAD\_ERROR:** Extension failed to load: %s

**Severity:** Error

**Explanation:** The extension failed to load. The log message or extension load log file may contain a reason why it failed, such as a broken config file.

**Recommended Action:** Determine why the extension failed to load. If you are unsure how to proceed, contact the developer of the extension or your support representative.

**RESTARTING\_AGENTS:** Extension installation finalization: restarting agents: %s

**Severity:** Info

**Explanation:** Agents are being restarted by operator request, in order to cause a software upgrade/patch to become effective.

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

**SIGNATURE\_INVALID:** Extension %s has an invalid signature: %s

**Severity:** Warning

**Explanation:** The extension has an invalid signature, or the signature could not be determined. The log message may contain a reason for the error.

**Recommended Action:** Examine the extension and determine if the contents are correct. If the contents are not as expected, uninstall the extension immediately. If you are unsure how to proceed, contact the developer of the extension or your support representative.

**SIGNATURE\_VALID:** Extension %s has a valid signature.

**Severity:** Info

**Explanation:** The extension has a valid digital signature.

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

**STATUS\_SAVE\_ERROR:** Failed to write extension status to %s: %s

**Severity:** Error

**Explanation:** Cannot write extension status to the filesystem. Extension status may not be restored if Sysdb restarts.

**Recommended Action:** Check if the filesystem is full.

**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.

## 2.39 FABRIC Messages

**CARD\_SHUTDOWN\_INSUFFICIENT\_BANDWIDTH:** Fabric bandwidth for ports on %s reduced to %d%% (Threshold %d%%), %s will be powered off

**Severity:** Warning

**Explanation:** Fabric bandwidth fell below the configured threshold due to multiple failed fabric links. The card will be powered off.

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

**LINK\_STATE\_CHANGE:** Line protocol on fabric 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 internal forwarding through this fabric interface is not possible.

**Recommended Action:** This message is for information only and may occur during normal operation. If the link state changes continue to occur outside of card insertions and removals or configuration changes, contact your technical support representative.

**WARNING\_INSUFFICIENT\_BANDWIDTH:** Fabric bandwidth for ports on %s reduced to %d%% (Threshold %d%%)

**Severity:** Warning

**Explanation:** Fabric bandwidth fell below the configured threshold due to multiple failed fabric links.

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

## 2.40 FHRP Messages

**ADVERTISEMENT\_DROPPED:** Advertisement dropped on interface %s for virtual address %s

**Severity:** Warning

**Explanation:** Gratuitous ARP/Neighbor Advertisement messages exceed system maximum rate

**Recommended Action:** May require increasing configured advertisement interval.

## 2.41 FLOW Messages

**ERROR\_TIMEOUT:** Flow %s programming failed as Tcam Programming Timeout

**Severity:** Error

**Explanation:** The switch is unable to program the flow.

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

**ERROR\_UNSUPPORTED\_ACTION:** Flow %s programming failed as the %s action is unsupported on %s.

**Severity:** Error

**Explanation:** The switch is unable to program the flow with the specified action on the specified hardware

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

**TCAM\_ERROR:** Unable to add TCAM entry for OpenFlow/DirectFlow flow %s, error %s

**Severity:** Error

**Explanation:** The specified flow has not been created in hardware since TCAM entry could not be added

**Recommended Action:** If the error is because there is no space left in TCAM, remove some flows and retry adding this flow

## 2.42 FLOWCONTROL Messages

**PAUSE\_FRAME\_RECEIVED:** Flow Control receive is disabled on Interface %s.Interface received %u pause frames.

**Severity:** Warning

**Explanation:**

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

## 2.43 FLOWSPEC Messages

**HW\_RESOURCE\_FULL:** Failed programming %d %s rules for the BGP Flowspec policy '%s' on %s: Rules exceed hardware capacity.

**Severity:** Error

**Explanation:** The switch is unable to program all BGP Flowspec rules due to insufficient hardware resources.

**Recommended Action:** Reduce number of BGP Flowspec rules or reconfigure other features to free up hardware resources for BGP Flowspec

**HW\_RESOURCE\_NORMAL:** Successfully programmed %d %s rules for the BGP Flowspec policy '%s' on %s: Rules are within hardware capacity limits.

**Severity:** Error

**Explanation:** The switch was able to program all BGP Flowspec rules in the hardware.

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

**HW\_RESOURCE\_UNSUPPORTED:** unsupported action %s rule for BGP Flowspec. It will be ignored.

**Severity:** Warning

**Explanation:** Please configure your flowspec rules with supported actions.

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

**POLICER\_RESOURCE\_FULL:** Insufficient hardware resources to program the police action for the policy-map %s on %s %s.

**Severity:** Error

**Explanation:** Remove some features using policer banks and reapply the policy-map to the interface to enable police action.

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

## 2.44 FLOWTRACKING Messages

**ACTIVE:** %s flow tracking is active.

**Severity:** Info

**Explanation:** Flow tracking is active.

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

**COLLECTOR\_ACTIVE:** %s collector %s for exporter %s in %s flow tracker %s is active.

**Severity:** Info

**Explanation:** Packets will be exported to this collector if the exporter is active.

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

**COLLECTOR\_INACTIVE:** %s collector %s for exporter %s in %s flow tracker %s is inactive.

**Severity:** Info

**Explanation:** Packets will not be exported to this collector.

**Recommended Action:** Ensure that if collector is configured, its IP address is valid.

**EXPORTER\_ACTIVE:** %s exporter %s in VRF %s, in %s flow tracker %s is active.

**Severity:** Info

**Explanation:** This exporter is ready to export packets.

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

**EXPORTER\_INACTIVE:** %s exporter %s in VRF %s, in %s flow tracker %s is inactive.

**Severity:** Info

**Explanation:** This exporter is not ready to export packets.

**Recommended Action:** Ensure that both the local interface, and at least one collector, have been configured, and that both have valid IP addresses.

**HARDWARE\_OFFLOAD\_ACTIVE:** Sampled flow tracking hardware offload for %s traffic is active.

**Severity:** Info

**Explanation:** Flow tracking hardware offload is active.

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

**HARDWARE\_OFFLOAD\_INACTIVE:** Sampled flow tracking hardware offload for %s traffic is inactive.

**Severity:** Info

**Explanation:** Flow tracking hardware offload is inactive.

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

**INACTIVE:** %s flow tracking is inactive.

**Severity:** Info

**Explanation:** Flow tracking is inactive.

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

**TRACKER\_ACTIVE:** %s flow tracker %s is active on interface %s for %s direction.

**Severity:** Info

**Explanation:** Flow tracker is active on an interface for the specified direction.

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

**TRACKER\_INACTIVE:** %s flow tracker %s is inactive on interface %s for %s direction.

**Severity:** Info

**Explanation:** Flow tracker is inactive on an interface for the specified direction.

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

## 2.45 FPGA Messages

**APPLICATION\_INTERFACE\_CONFIG\_REMOVED:** Functional interface configuration on FPGA %s removed due to incompatible application profile for configuration. current profile: %s previous profile: %s

**Severity:** Info

**Explanation:** Application functional interface configuration removed

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

**APPLICATION\_UNSUPPORTED:** FPGA application %s is not supported by EOS version %s.

**Severity:** Error

**Explanation:** The current EOS version does not support the version of the FPGA application.

**Recommended Action:** Install an EOS version that supports this version of FPGA application. If you are unsure how to proceed, please contact your support representative.

**HITLESS\_RESET\_FAILED:** hitless reset of the %s fpga failed.

**Severity:** Info

**Explanation:** hitless reset of the fpga image failed.

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

**HITLESS\_RESET\_SUCCEEDED:** hitless reset of the %s fpga succeeded.

**Severity:** Info

**Explanation:** hitless reset of the fpga image succeeded.

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

## 2.46 FPGASWITCH Messages

**CONTROLPLANE\_DOWN:** Control plane for FPGA switch instance %d (interface %s) is DOWN. The switch is unable to process control plane traffic.

**Severity:** Error

**Explanation:** Control plane for FPGA switch instance %d (interface %s) is DOWN. The switch is unable to process control plane traffic.

**Recommended Action:** Verify and reconnect the layer 1 path for control plane interface to an appropriate CPU-bound interface. Also verify the associated CPU-bound interface is UP.

**CONTROLPLANE\_UP:** Control plane for FPGA switch instance %d (interface %s) is UP. The switch is operational and can now process control plane traffic.

**Severity:** Error

**Explanation:** Control plane for FPGA switch instance %d (interface %s) is UP. The switch is operational and can now process control plane traffic.

**Recommended Action:** No action required.

**LANZ\_BUFFER\_OVER\_THRESHOLD:** Interface %s %s buffer is over high threshold of %u bytes

**Severity:** Info

**Explanation:** Number of bytes in a buffer is over its high threshold.

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

**LANZ\_BUFFER\_UNDER\_THRESHOLD:** Interface %s %s buffer is under low threshold of %u bytes

**Severity:** Info

**Explanation:** Number of bytes in a buffer is under its low threshold.

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

## 2.47 FRU Messages

**CARD\_DISABLED:** Card %s has been disabled until %s. model: %s rev: %s serial number: %s epoch: %s

**Severity:** Error

**Explanation:** Card disabled

**Recommended Action:** Reboot the system or install software that supports the card.

**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\_SUBOPTIMAL\_COOLING:** Card %s is located in a suboptimal slot for chassis cooling. It is optimized for slots %s

**Severity:** Error

**Explanation:** The inserted card is located in a suboptimal slot for chassis cooling.

**Recommended Action:** Verify that the card is inserted into an optimal slot for chassis cooling. Please contact support for information on optimal card configurations.

**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.

**CARD\_UNSUPPORTED\_IN\_CHASSIS:** Card in slot %s is unsupported in this chassis. %s

**Severity:** Info

**Explanation:** The inserted card is not supported in this chassis.

**Recommended Action:** Remove 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\_PARTIALLY\_UNSUPPORTED:** The chassis is partially unsupported because %s

**Severity:** Warning

**Explanation:** The chassis is partially unsupported. System functionality may be partially limited.

**Recommended Action:** Contact support for more information.

**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.

**DEVICE\_DRIVER:** Fatal software failure for the device in slot %s

**Severity:** Error

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

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

**DEVICE\_INSERTED:** Device in slot %s has been inserted

**Severity:** Info

**Explanation:** Device insertion detected

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

**DEVICE\_REMOVED:** Device in slot %s has been removed

**Severity:** Info

**Explanation:** Device removal detected

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

**DEVICE\_UNSUPPORTED:** Device in slot %s is not supported

**Severity:** Error

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

**Recommended Action:** Replace the device with a one supported by the version of your software.

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

**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. model: %s

**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:** Fan in slot %s is unsupported

**Severity:** Error

**Explanation:** Software detected unsupported fan in system.

**Recommended Action:** Replace unsupported fan to improve system performance.

**MODULE\_DEPRECATED:** Module %s%s: %s is not supported. The last supported EOS version for this module is %s

**Severity:** Emergency

**Explanation:** The current hardware has been deprecated and is not supported by the running software. System functionality is severely limited.

**Recommended Action:** Install older software and reboot

**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\_INCOMPATIBILITY:** Power supply %s in slot %s is not fully compatible with the %s power supply in slot %s

**Severity:** Warning

**Explanation:** Software detected incompatible power supplies in system. Some features may not work as intended

**Recommended Action:** Incompatible power supply should be replaced with a compatible model.

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

**Severity:** Info

**Explanation:** Power supply insertion detected

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

**POWERSUPPLY\_OUT\_OF\_DATE:** Power supply in slot %s is out-of-date.

**Severity:** Warning

**Explanation:** Software detected out-of-date power supply in system.

**Recommended Action:** Out-of-date power supply should be replaced with newer model.

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

**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.

**POWERSUPPLY\_UNSUPPORTED\_IN\_SYSTEM:** Power supply in slot %s is unsupported in system.

**Severity:** Error

**Explanation:** Software detected unsupported power supply in system.

**Recommended Action:** Replace unsupported power supply to improve system performance.

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

**Severity:** Error

**Explanation:** SEEPROMs can very rarely be corrupted. This SEEPROM was not able to be repaired from the redundant information available. SEEPROMs contain configuration information for the system hardware. While a corruption is rare, provided redundant information allows the system to repair it.

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

**SEEPROM\_REPAIRED:** Successfully repaired device %s corrupted SEEPROM.

**Severity:** Info

**Explanation:** SEEPROMs can very rarely be corrupted. Full repair was possible from redundant information. No action needs to be taken. SEEPROMs contain configuration information for the system hardware. While a corruption is rare, provided redundant information allows the system to repair it.

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

**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 %s

**Severity:** Error

**Explanation:** The specified SSD partition is not currently mounted. 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 %s. Expected SSD partition %s to be mounted instead.

**Severity:** Error

**Explanation:** Expected the specified SSD partition to be mounted at the mount point but a different partition is mounted instead. 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.

**SYSTEM\_DEPRECATED:** %s is not supported. The last supported EOS version for this system is %s

**Severity:** Emergency

**Explanation:** The current hardware has been deprecated and is not supported by the running software. System functionality is severely limited.

**Recommended Action:** Install older software and reboot

**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 rcode %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\_IMAGE\_RESTRICTION\_2GB:** %s is only supported in 2GB images. Please remove the current EOS image from /mnt/flash and upgrade to a 2GB image such as EOS-2GB.swi, EOS-2GB-PDP.swi, etc

**Severity:** Emergency

**Explanation:** This system is not supported in the loaded EOS image and system functionality is severely limited.

**Recommended Action:** Remove the current EOS image from /mnt/flash and upgrade to a 2GB image

**SYSTEM\_UNSUPPORTED:** %s is not supported.

**Severity:** Emergency

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

**Recommended Action:** Install software supporting the hardware and reboot

**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.

## 2.48 FWK Messages

**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.

**NOTIFIEELIST\_CANARY:** The notifiedList of %s object %s contains %u notifieds.

**Severity:** Info

**Explanation:** Diagnostic output generated if debugs are enabled.

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

**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.

## 2.49 GMP Messages

**IGMP\_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

## 2.50 HARDWARE Messages

**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.

**BMC\_COMMUNICATION\_ERROR:** The CPU is unable to communicate with the BMC using IPMI.

**Severity:** Emergency

**Explanation:** The CPU is unable to communicate with the BMC using IPMI. This could be due to an ipmi driver issue, an unsupported BMC Firmware, or some other hardware issue.

**Recommended Action:** Please ensure you are running supported BMC firmware and that the BMC is in good health.

**BMC\_FW\_UNSUPPORTED:** The current BMC firmware version is %s, which is not supported. The minimum supported BMC firmware version is %s.

**Severity:** Emergency

**Explanation:** The current BMC firmware version is not supported by this EOS image.

**Recommended Action:** Please upgrade BMC firmware.

**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\_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\_KEEP\_POWERED:** Card %s's ejector handle is now open and the card is kept powered.

**Severity:** Warning

**Explanation:** An ejector handle on a fabric card is open. The card will remain powered.

**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\_LINECARD\_SCD\_RESET\_ERROR:** SCD device reset occurred on %s.

**Severity:** Warning

**Explanation:** Software detected a SCD device reset error on the named card. Check the card and its interfaces for errors. In case of errors, try re-seating the 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\_POWER\_CYCLE:** Card %s was power cycled due to %s

**Severity:** Error

**Explanation:** A card power cycle is used to attempt recovery of an error.

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

**CARD\_RESET:** Card %s in state %s was reset due to multiple failed power on attempts.

**Severity:** Error

**Explanation:** A card was reset in an attempt to recover from an error. It may appear that the card was removed from the system momentarily.

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

**CARD\_SATELLITE\_BUS\_ERROR:** Satellite bus error occurred between switchcard and %s.

**Severity:** Warning

**Explanation:** Software detected a satellite bus error between the switchcard and the named card. Check the card and its interfaces for errors. In case of errors, try re-seating the card.

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

**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.

**CARD\_UNSTABLE\_SHUTDOWN:** Card %s in state %s was shutdown due to frequent failed power on attempts.

**Severity:** Error

**Explanation:** A card was shutdown because it power cycled too many times, or its power-on sequence was continuously interrupted by frequent insertions and removals of the card. Please manually remove the card and insert a different card, put the card in a different slot, or use the CLI command "no power enable module <CARDNAME>" followed by "power enable module <CARDNAME>" to bypass the shutdown. If the card still does not power on, then it may be faulty.

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

**CHASSIS\_POWER\_FAILURE:** Chassis experienced a power failure

**Severity:** Error

**Explanation:** Chassis power good deasserted

**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.

**DDR\_BIST\_FAILED:** Switch ASIC %d DRAM %d failed DRAM BIST

**Severity:** Error

**Explanation:** The switch ASIC failed DRAM BIST.

**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\_TUNE\_FAILED:** Switch ASIC %d, DRAM %d failed tuning %d

**Severity:** Error

**Explanation:** Switch ASIC failure in DRAM tuning. 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\_TUNE\_THREAD\_FAILED:** Switch ASIC %d failed to spawn DRAM tuning thread %d.

**Severity:** Error

**Explanation:** Failure in spawning DRAM tuning thread. 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.

**DISRUPTIVE\_RESTART:** Non-disruptive restart of %s forwarding agent failed. All hardware entries in %s table will be deleted and re-programmed in the hardware. Reason: %s.

**Severity:** Error

**Explanation:** Forwarding agent could not recover its hardware state during restart. This could result in hardware state being deleted and re-programmed in the hardware. This can result in traffic disruption.

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

**DROP\_COUNTER:** Internal drop '%s' occurred on %s

**Severity:** Error

**Explanation:** The named hardware error counter has incremented by more than the allowed threshold in the allowed time. This is likely an indication that packet forwarding is being negatively impacted.

**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.

**DROP\_COUNTER\_ALERT:** Persistent Internal Drop '%s': %s detected on %s

**Severity:** Error

**Explanation:** Persistent Internal Adverse Drop counters on fap.

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

**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.

**EXCESSIVE\_MULTIPLE\_BIT\_ERRORS:** Excessive multibit memory errors detected in chip: %s.

**Severity:** Error

**Explanation:** An excessive number of multibit memory errors detected in a switching ASIC. 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.

**FANCONTROLLER\_COMMUNICATION\_ERROR:** Communication error with the fan controller %s.

**Severity:** Error

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

**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.

**FAN\_OUT\_OF\_DATE:** %s is an out-of-date fan.

**Severity:** Warning

**Explanation:** Software detected out-of-date fan in the system.

**Recommended Action:** Replace out-of-date fan with newer model to improve system cooling.

**FAN\_UNSUPPORTED\_IN\_SYSTEM:** %s is not supported in this system.

**Severity:** Warning

**Explanation:** Software detected an unsupported fan in the system.

**Recommended Action:** Replace unsupported fan to improve system cooling.

**FASTFAILOVER\_IP\_LOADSHARING\_CONFIGURATION\_INCOMPATIBLE:** 'ip load-sharing prefer local' configuration is ignored because 'hardware next-hop fast-failover' is configured.

**Severity:** Error

**Explanation:** 'ip load-sharing prefer local' and 'hardware next-hop fast-failover' are not compatible with each other.

**Recommended Action:** Reconfigure your network to remove either of them.

**FASTFAILOVER\_IP\_LOADSHARING\_CONFIGURATION\_NO\_LONGER\_INCOMPATIBLE:** %s configuration now in effect because %s was removed.

**Severity:** Error

**Explanation:** 'ip load-sharing prefer local' and 'hardware next-hop fast-failover' are no longer conflicting.

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

**FEATURE\_PROFILE\_CHANGED:** Feature profile changed to "%s" for chip %s

**Severity:** Info

**Explanation:** Some agents will be restarted.

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

**FIRMWARE\_UPGRADEFAILED:** Failed to perform an upgrade of %s from version %s to version %s. The system could not perform firmware upgrade. This may be due to a hardware or software failure. System functionality will be severely limited.

**Severity:** Error

**Explanation:** Failed to perform an upgrade of a device firmware

**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.

**FLOW\_TABLE\_FULL:** No space available in the flow table

**Severity:** Error

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

**Recommended Action:** To solve this issue, remove unused flow entries from the switch configuration in order to free up space in the flow table.

**FPGA\_CORRECTED\_ERROR:** CRC error was detected and corrected on an FPGA %s.

**Severity:** Warning

**Explanation:** Software detected an already corrected CRC error on the FPGA on the named card

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

**FPGA\_CRC\_ERROR:** CRC error occurred on %s. %s

**Severity:** Error

**Explanation:** Software detected a CRC error on the FPGA on the named card

**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\_ERROR:** CRC error occurred on an FPGA on %s. %s

**Severity:** Error

**Explanation:** Software detected a CRC error on the FPGA on the named card

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

**FPGA\_ERROR\_DEBUG:** Software has read debugging information for the hardware error on FPGA %s on card %s. Partition: %s, frame address: %s, word address: %s, bit address: %s, FRAME\_CRC\_STAT0: %s, FRAME\_CRC\_STAT1: %s

**Severity:** Info

**Explanation:** Software has read debugging information for the hardware FPGA error

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

**FPGA\_ERROR\_POWER\_CYCLED:** CRC error occurred on an FPGA on %s. Card will be power cycled to recover.

**Severity:** Error

**Explanation:** Software detected a CRC error on the FPGA on the named card and power cycled the card to recover

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

**FPGA\_ERROR\_REPAIR:** Repair of %s FPGA %s.

**Severity:** Error

**Explanation:** Software attempted to recover a CRC error on the FPGA

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

**FPGA\_ERROR\_SYSTEM:** CRC error occurred on an FPGA in the system. %s

**Severity:** Error

**Explanation:** Software detected a CRC error in the system FPGA

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

**FPGA\_HEARTBEAT\_MISSED:** A heartbeat was missed on an FPGA on %s.

**Severity:** Warning

**Explanation:** Software detected a missed heartbeat on the FPGA

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

**FPGA\_LOGIC\_ERROR:** Logic error detected on an FPGA on %s. %s

**Severity:** Error

**Explanation:** Software detected a logic error on the FPGA

**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\_PERR\_CORRECTABLE:** A correctable parity error occurred in a switching FPGA (table: %s, address: %s)

**Severity:** Info

**Explanation:** A correctable parity error occurred in a switching FPGA. The affected entry will be repaired by software.

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

**FPGA\_PERR\_CORRECTED:** Corrected a parity error in a switching FPGA (table: %s, address: %s)

**Severity:** Info

**Explanation:** Software corrected a parity error that occurred in a switching FPGA. Normal traffic forwarding, if affected by this error, will resume.

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

**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\_PROGRAMMER\_IMAGE\_ERROR:** Fpga image %s does not exist, defaulting to %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\_UNPROGRAMMED:** The 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 the FPGA %s to version %d.%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 FPGA %s from version %d.%d to version %d.%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 FPGA %s 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 FPGA %s 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.

**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.

**INTERRUPT\_STORM\_CLEARED:** Interrupt storm resolved on %s

**Severity:** Info

**Explanation:** Interrupt rate is back to normal

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

**INTERRUPT\_STORM\_DETECTED:** Interrupt storm detected on %s

**Severity:** Error

**Explanation:** Excessive interrupt rate detected on forwarding chip

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

**IPv4\_OPTIMIZED\_ROUTES\_VRF\_SCALE\_SUPPORTED:** Hardware supports the current VRF scale with the current IPv4 route optimization configuration

**Severity:** Warning

**Explanation:** IPv4 routing will work correctly for all the VRFs.

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

**IPv4\_OPTIMIZED\_ROUTES\_VRF\_SCALE\_UNSUPPORTED:** Hardware supports only %d non-default VRFs with the current IPv4 route optimization configuration

**Severity:** Warning

**Explanation:** IPv4 routing may not work correctly for some of the VRFs.

**Recommended Action:** Please reduce the number of VRFs in the system.

**IPv4\_OPTIMIZED\_ROUTES\_VRF\_SELECTION\_FALLBACK\_VRF\_CONFLICT:** IPv4 route optimization configuration conflicts with VRF selection policy configuration for fallback VRF %s

**Severity:** Warning

**Explanation:** IPv4 packets matching optimized routes in this VRF that are not of /21 prefix-length may not get forwarded correctly

**Recommended Action:** Please disable IPv4 route optimization or enable internet profile or enable route optimization for /21 prefix-length for the VRF

**IPv4\_OPTIMIZED\_ROUTES\_VRF\_SELECTION\_FALLBACK\_VRF\_NO\_CONFLICT:** IPv4 route optimization configuration no longer conflicts with VRF selection policy configuration for fallback VRF %s

**Severity:** Warning

**Explanation:** IPv4 packets routed in this VRF will get forwarded correctly

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

**IPv4\_OPTIMIZED\_ROUTES\_VRF\_SELECTION\_VRF\_WITH\_FALLBACK\_CONFLICT:** IPv4 route optimization configuration conflicts with VRF selection policy configuration for VRF %s with fallback VRF

**Severity:** Warning

**Explanation:** IPv4 packets matching optimized routes in this VRF that are not of /32 prefix-length may not get forwarded correctly

**Recommended Action:** Please disable IPv4 route optimization or enable optimization for /32 prefix length for the VRF selection policy to work as expected

**IPv4\_OPTIMIZED\_ROUTES\_VRF\_SELECTION\_VRF\_WITH\_FALLBACK\_NO\_CONFLICT:** IPv4 route optimization configuration no longer conflicts with VRF selection policy configuration for VRF %s with fallback VRF

**Severity:** Warning

**Explanation:** IPv4 packets routed in this VRF will get forwarded correctly

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

**IPv4\_ROUTES\_NOT\_OPTIMIZED:** Some IPv4 routes of VRF %s with prefix lengths configured to be optimized could not be optimized.

**Severity:** Warning

**Explanation:** Some of the IPv4 routes which could not be optimized are now installed in the LPM table.

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

**IPv4\_ROUTES\_OPTIMIZED:** All IPv4 routes of VRF %s with prefix lengths configured to be optimized have been optimized.

**Severity:** Warning

**Explanation:** The LPM table contains none of the IPv4 routes that could have been optimized.

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

**IPV6\_NEXTHOP\_LINKLOCAL\_UNRESOLVABLE:** IPv6 link local next hop %s cannot be resolved without an interface

**Severity:** Error

**Explanation:** A configured nexthop entry contains an IPv6 link local address without an interface. The entry is ignored because it cannot be resolved.

**Recommended Action:** Update or remove the nexthop entry with the link local address

**IPV6\_OPTIMIZED\_ROUTES\_MPLS\_VRF\_TERMINATION\_CONFLICT:** IPv6 route optimization configuration(s) conflict with VRF label termination configuration(s)

**Severity:** Warning

**Explanation:** Routing using optimized IPv6 routes after VRF label termination may not work as expected.

**Recommended Action:** Please disable IPv6 route optimization for prefix-length /128 and disable IPv6 host routes optimization using 'no platform sand ipv6 host-routeexact-match' command

**IPV6\_OPTIMIZED\_ROUTES\_MPLS\_VRF\_TERMINATION\_NO\_CONFLICT:** IPv6 route optimization configuration(s) no longer conflict with VRF label termination configuration(s)

**Severity:** Warning

**Explanation:** IPv6 routing after VRF label termination will work as expected.

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

**IPV6\_ROUTES\_NOT\_OPTIMIZED:** Some IPv6 routes of VRF %s with prefix lengths configured to be optimized could not be optimized.

**Severity:** Warning

**Explanation:** Some of the IPv6 routes which could not be optimized are now installed in the LPM table.

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

**IPV6\_ROUTES\_OPTIMIZED:** All IPv6 routes of VRF %s with prefix lengths configured to be optimized have been optimized.

**Severity:** Warning

**Explanation:** The LPM table contains none of the IPv6 routes that could have been optimized.

**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.

**LICENSE\_ERROR:** Hardware license verification failed (failure code %d), dataplane encryption is disabled

**Severity:** Error

**Explanation:** Hardware license verification has failed. In this state dataplane encryption will not work.

**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.

**LICENSE\_SUCCESS:** Hardware license successfully verified, dataplane encryption is enabled

**Severity:** Info

**Explanation:** Hardware license has been successfully verified and dataplane encryption is enabled.

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

**LICENSE\_TIMEOUT:** Hardware license verification timed out, dataplane encryption is disabled

**Severity:** Error

**Explanation:** Hardware license verification has failed. In this state dataplane encryption will not work.

**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.

**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

**PARITY\_ERROR\_CORRECTED\_WITH\_RESET:** Parity error %s in memory %s on %s corrected by full chip reset

**Severity:** Warning

**Explanation:** Software re-initialized the blocks of the switching ASIC, causing minor traffic loss.

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

**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 name: %s, address: %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\_IO\_PAGE\_FAULT:** I/O page fault detected. PCI device name: %s, address: %s, I/O virtual address: %s, flags: %s.

**Severity:** Warning

**Explanation:** A PCIe device attempted a memory transfer with an invalid address.

**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 name: %s, address: %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\_EGRESS\_CREDIT\_TIMEOUT:** Egress credit timeout detected on bridge %s, port %d

**Severity:** Info

**Explanation:** Possible hardware reset.

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

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

**Severity:** Error

**Explanation:** Possible hardware removal.

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

**PERR\_CORRECTABLE:** %s

**Severity:** Info

**Explanation:** A correctable parity error occurred in a switching ASIC. The affected entry will be repaired by software.

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

**PERR\_CORRECTED:** %s

**Severity:** Info

**Explanation:** Software corrected a parity error that occurred in a switching ASIC. Normal traffic forwarding, if affected by this error, will resume.

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

**PERR\_FATAL:** %s

**Severity:** Warning

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

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

**PHY\_PATGEN\_ENABLED:** A pattern generator for PHY diagnostics is enabled on %s.

**Severity:** Warning

**Explanation:** Using PHY pattern generation may lead to interface flaps after supervisor switchover.

**Recommended Action:** Disable pattern generation and toggle interface state by doing shut/no shut on the relevant interfaces.

**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.

**PORT\_POWER\_FAILURE:** %s %s have no power due to %s.

**Severity:** Error

**Explanation:** The port has lost power either because of a hardware failure or a bad transceiver. If there is a transceiver in the port, try removing it and power cycling the module.

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

**POWERCONTROLLER\_BAD\_DMON\_VALUE:** The power controller on %s detected a bad digital monitor value of 0 on rail %s (Rail%u).

**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\_OUTPUT\_VOLTAGE:** The power controller on %s detected a bad output voltage of %f on rail %s (Rail%u).

**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\_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.

**POWERCONTROLLER\_FAULT:** The %s power controller reports a status that indicates a fault (%s)

**Severity:** Error

**Explanation:** Software detected that there is a power controller fault. 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\_OUTPUT\_VOLTAGE\_RECOVERED:** The %s power controller recovered from bad output voltage.

**Severity:** Error

**Explanation:** Software detected that the power controller has recovered from 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\_UPDATED:** The %s power controller has been updated. %s will be power cycled.

**Severity:** Warning

**Explanation:** Software updated a power controller and will power cycle the card to activate the update.

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

**POWER\_CYCLE\_CARD\_DUE\_TO\_BAD\_EVENT:** %s is being power-cycled because %s event happened.

**Severity:** Error

**Explanation:** Bad events may cause traffic loss and poor performance.

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

**POWER\_OFF\_CARD\_DUE\_TO\_BAD\_EVENT:** %s is being powered off because %s event happened.

**Severity:** Error

**Explanation:** Bad events may cause traffic loss and poor performance.

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

**POWER\_OFF\_FAILED:** Software failed to power off the system. Power cycle the system manually to recover.

**Severity:** Error

**Explanation:** Software tried to power off the system but was unable because of a communication error with the system's CPLD.

**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\_INPUT\_VOLTAGE\_MISMATCH:** Power supply %d has higher input voltage than other power supplies in the system.

**Severity:** Warning

**Explanation:** A lower input voltage will be used to calculate the capacity of this power supply.

**Recommended Action:** Check input voltage on other power supplies in the system, and match input voltage to potentially increase the total power system can use.

**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\_OVERVOLTAGE\_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

**REPEATER\_COMM\_ERROR:** Smbus access to repeater %s-%s has failed

**Severity:** Error

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

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

**RESTART\_AGENT\_DUE\_TO\_BAD\_EVENT:** %s agent is being restarted because %s event happened.

**Severity:** Error

**Explanation:** Bad events may cause traffic loss and poor performance.

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

**SCHAN\_ACCEL\_ATTACH\_FAILED:** Failed to attach coprocessor %s (%d) to command ring %s.

**Severity:** Warning

**Explanation:** An error occurred while trying to attach the coprocessor.

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

**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:** Pcie switch %s upstream link %s 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\_ABOUT\_UPDATE\_FAILED:** The BIOS upgrade failed. Reason: %s

**Severity:** Error

**Explanation:** An error occurred when upgrading the BIOS. The log message may contain a reason why the upgrade failed.

**Recommended Action:** Determine why the BIOS failed to install. If you are unsure how to proceed, contact your support representative.

**SYSTEM\_ABOUT\_UPDATE\_SUCCEEDED:** The BIOS upgrade succeeded.

**Severity:** Info

**Explanation:** The BIOS has been successfully upgraded.

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

**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.

**TIMESTAMP\_COUNTER\_RESET:** %s's timestamp counter has been reset to %d ns.

**Severity:** Info

**Explanation:** The hardware timestamp counter's time was reset

**Recommended Action:** No action required.

**TIMESYNC\_ERROR:** %s has experienced a hardware error (%s) with internal time synchronization

**Severity:** Error

**Explanation:** A hardware error was encountered while performing time synchronization

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

**UNKNOWN\_MAC\_DROP\_FEATURE\_UNSUPPORTED:** Cannot program unknown MAC drop for traffic class %d on %s.

**Severity:** Error

**Explanation:** This feature is not supported on this EOS version.

**Recommended Action:** Remove the command 'platform trident unknown-mac-drop priority <class>' from the switch configuration.

**VERIFY\_AGENT\_FAILED:** %s Agent will restart.

**Severity:** Error

**Explanation:** Verification of forwarding agent failed.

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

**VERIFY\_AGENT\_RETRY\_NEEDED:** %s

**Severity:** Info

**Explanation:** Verification of forwarding agent did not complete.

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

**VLAN\_RESOURCE\_FULL:** Insufficient hardware resources to configure allowed VLAN %d for Tap interface %d

**Severity:** Error

**Explanation:** The maximum number of internal table entries allocated for ingress VLAN membership on Tap interfaces is 4096 per forwarding engine.

**Recommended Action:** Configure fewer ingress allowed VLANs.

**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 critical condition. Contact the Arista TAC (technical support) group and send them this message. This system may be unusable until this issue is resolved.

**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 critical condition. Contact the Arista TAC (technical support) group and send them this message. This system may be unusable until this issue 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.

## 2.51 HEALTH Messages

**ACCEPTABLE:** Component %s (%s metric) on %s has experienced an event (reported by %s). %s

**Severity:** Notice

**Explanation:** An entity has experienced a health event of ACCEPTABLE severity.

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

**ERROR:** Component %s (%s metric) on %s has experienced an event (reported by %s). %s

**Severity:** Error

**Explanation:** An entity has experienced a health event of ERROR severity.

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

**FATAL:** Component %s (%s metric) on %s has experienced an event (reported by %s). %s

**Severity:** Emergency

**Explanation:** An entity has experienced a health event of FATAL severity.

**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.

**MONITOR\_INVALID\_IPV6\_TUNNEL\_ADDRESS:** IPv6 tunnel address configuration is being ignored due to multiple IPv6 addresses on %s.

**Severity:** Error

**Explanation:** Configuration of the IPv6 tunnel address is valid when there is only 1 IPv6 address on the tunnel source interface

**Recommended Action:** Configure a single IPv6 address on the tunnel source interface

**OK:** Component %s (%s metric) on %s is now OK (reported by %s).

**Severity:** Info

**Explanation:** An entity has recovered from a previous health event.

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

**SCORE\_CHANGE:** Device health score of %s changed (%s) and is now %d.

**Severity:** Info

**Explanation:** Device health score of an entity has changed

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

**WARNING:** Component %s (%s metric) on %s has experienced an event (reported by %s). %s

**Severity:** Warning

**Explanation:** An entity has experienced a health event of WARNING severity.

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

## 2.52 IGMP Messages

**INTFID\_CONFLICT:** Interface %a is being used both implicitly and explicitly for Igmp groups. Implicitly by an EOS Agent, eg. Vxlan and its also configured explicitly Please choose different interface names for them.

**Severity:** Warning

**Explanation:** Igmp interface names are in conflict with Igmp Agent and another Agent, eg. Vxlan Agent

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

**MESSAGE\_INVALID\_SOURCE:** Received invalid source %s for group %s.

**Severity:** Error

**Explanation:** Source sent by host is not a unicast address.

**Recommended Action:** Capture the packet using tcpdump and contact support.

**VRF\_UNSUPPORTED:** Interface %a has a vrf %a configured

**Severity:** Warning

**Explanation:** Enabling IGMP on a VRF enabled interface is not supported.

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

## 2.53 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 IGMP Snooping groups%s.

**Severity:** Error

**Explanation:** The switch is unable to program all IGMP Snooping groups because the IGMP Snooping groups exceed the available hardware resources.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the number of IGMP Snooping groups. When the number of groups reduces, the switch automatically programs any unprogrammed groups in hardware.

**HW\_RESOURCE\_NORMAL:** All IPv4 multicast routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the IGMP Snooping 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

## 2.54 INCOMPATIBLE Messages

**CARD\_INSERTED:** %s (%s\_%s) is not compatible with the following chips in the system:%s.

**Severity:** Error

**Explanation:** A system with incompatible chips is unsupported and may lead to agent restarts. To recover, remove the incompatible chips from the system.

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

## 2.55 INTF Messages

**DUPLICATE\_ADDRESS\_WITH\_HOST:** IP address %a configured on interface %s is in use by a host with MAC address %s on interface %s in VRF %s

**Severity:** Warning

**Explanation:** An IP address configured on the switch is already in use by a host found in the ARP table.

**Recommended Action:** Please check the interface IP address configuration.

**L2\_SUBINTERFACE\_ACTIVE:** %s

**Severity:** Info

**Explanation:** Inactive subinterface (%s) has now been programmed in hardware

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

**L2\_SUBINTERFACE\_INACTIVE:** Parent interface (%s) of the subinterface (%s) has more than one L2 subinterface with the forwarding VLAN (%d)

**Severity:** Error

**Explanation:** Subinterface is not programmed in hardware

**Recommended Action:** Subinterface shows up as connected and up but is not programmed in hardware. Programming of the subinterface in hardware will be done when it is the only subinterface on its parent with that forwarding VLAN

**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.

**RELOAD\_HITLESS\_CONFIG\_TIMEOUT:** Time out waiting for config to be applied on all interfaces.

**Severity:** Warning

**Explanation:** This may result in some traffic disruption during reload hitless.

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

**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.

## 2.56 IP6 Messages

**BOTH\_NONVIRTUAL\_VIRTUAL\_CONFIGURED:** Both IPv6 non-virtual and virtual addresses configured on interface %s. Using virtual addresses to configure interface, and ignoring the non-virtual addresses.

**Severity:** Warning

**Explanation:** Mixing virtual and non-virtual addresses on an interface is not supported.

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

## 2.57 IP6ROUTING Messages

**DAD\_FAILED:** IPv6 DAD failed on interface %s for address %s

**Severity:** Warning

**Explanation:** IPv6 Duplicate Address Detection has failed.

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

**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.

**EGRESS\_RACL\_OVERRIDE\_URPF:** IPv6 Unicast RPF does not work and is disabled since egress IPv6 router ACL is conflicting with IPv6 Unicast RPF resource.

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF does not work with egress IPv6 router ACL in this TCAM profile. Switch to a TCAM profile where forwarding-type key-field is added to egress IPv6 router ACL feature to enable IPv6 Unicast RPF along with egress IPv6 router ACL.

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

**EGRESS\_RACL\_SHARING\_FEC\_SHARING\_OVERRIDE\_URPF:** IPv6 Unicast RPF does not work and is disabled since egress router ACL sharing and IPv4 - IPv6 FEC sharing are enabled

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF does not work when egress router ACL sharing and IPv4-IPv6 FEC sharing are enabled. Switch to egress router ACL unshared mode or dedicated IPv4 - IPv6 FEC mode for unicast RPF to be enabled again.

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

**EGRESS\_RACL\_SHARING\_OVERRIDE\_URPF:** IPv6 Unicast RPF does not work and is disabled since egress router ACL sharing is enabled

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF does not work when egress router ACL sharing is enabled. Switch to egress router ACL unshared mode for unicast RPF to be enabled again

**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 adj %d higher than max 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.

**NO\_EGRESS\_RACL\_OVERRIDE\_URPF:** IPv6 Unicast RPF is enabled as the egress router ACL is not conflicting with IPv6 Unicast RPF resource

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF configuration is active again since supported TCAM profile is used.

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

**NO\_EGRESS\_RACL\_SHARING\_OVERRIDE\_URPF:** IPv6 Unicast RPF is enabled as the egress router ACL sharing is disabled.

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF configuration is active again since egress router ACL sharing is disabled.

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

**NO\_FEC\_SHARING\_OVERRIDE\_URPF:** IPv6 Unicast RPF is re-enabled since IPv4-IPv6 FEC sharing is disabled.

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF configuration is active again since IPv4-IPv6 FEC sharing is disabled.

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

**NO\_ROUTE\_OPTIMIZATION\_OVERRIDE\_URPF:** IPv6 Unicast RPF is re-enabled since ipv6 routes in exact match is disabled.

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF configuration is active again since ipv6 routes in exact match is disabled.

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

**POLICY\_RECMP\_CAPACITY\_EXCEEDED:** Total next hop count (%s) for policy marked RECMC routes has exceeded the configured capacity. FEC utilization may increase, because FEC sharing may not work.

**Severity:** Info

**Explanation:** If the cumulative total of all possible next hops for all routes marked for RECMC is greater than the configured capacity, then resilient FEC sharing may not work, which can increase FEC utilization.

**Recommended Action:** Reconfigure the policy marked RECMC capacity to be greater than the total next hop count.

**RECMC\_CAPACITY\_EXCEEDED:** Total next hop count (%s) under RECMC parent prefix %a has exceeded the parent prefix's configured capacity. FEC utilization may increase, because FEC sharing may not work.

**Severity:** Info

**Explanation:** If the cumulative total of all possible next hops for all routes falling under a given RECMC parent prefix is greater than the configured capacity for that RECMC parent prefix, then resilient FEC sharing may not work, which can increase FEC utilization.

**Recommended Action:** Reconfigure the RECMC parent prefix capacity to be greater than the total next hop count.

**ROUTE\_OPTIMIZATION\_OVERRIDE\_URPF:** IPv6 Unicast RPF does not work and is disabled since ipv6 routes in exact match option is configured

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF does not work when ipv6 routes in exact match is configured. Unconfigure the option for unicast RPF to be enabled again

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

**URPF\_IPV4\_CONFLICT:** IPv6 Unicast RPF on %s disabled, conflicts with IPv4 Unicast RPF

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF on the listed interface is disabled because it conflicts with IPv4 Unicast RPF on the interface

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

**URPF\_IPV4\_NO\_CONFLICT:** IPv6 Unicast RPF on %s re-enabled. Doesn't conflict with IPv4 Unicast RPF

**Severity:** Warning

**Explanation:** IPv6 Unicast RPF on the listed interface is re-enabled because it no longer conflicts with IPv4 Unicast RPF on the interface

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

## 2.58 IPRIB Messages

**FD\_SET\_LIMIT\_FAILED:** Set limit failed with error %s

**Severity:** Notice

**Explanation:** Set limit failed

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

**RIBREADY\_FIB:** All routes in VRF %s are available in FIB

**Severity:** Notice

**Explanation:** Routes have also been recursively resolved and are available in Fib. With all routes now being ready in FIB, forwarding agent will start syncing them down to hardware without fear of purging any routes, had router undergone hitless system upgrade

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

**RIBREADY\_FIB\_TIMEOUT:** Protocols in VRF %s that did not converge: %s

**Severity:** Warning

**Explanation:** IpRib agent timed out waiting for one or more routing protocols to converge. During hitless reload this may lead to routes being deleted from hardware temporarily until the routing protocols converge.

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

**RIBREADY\_IGP:** IGP protocols in VRF %s have converged

**Severity:** Notice

**Explanation:** IGP protocols( say OSPF ) have converged and routes are now available in FIB. Besides IGP protocols, IpRib agent is also done with initial processing of all connected and static routes

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

**RIBREADY\_PROTO:** All protocols in VRF %s have converged

**Severity:** Notice

**Explanation:** All protocols that were configured in this vrf have converged and routes are now available in FIB

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

## 2.59 IPSEC Messages

**FIPS\_RESTART:** Restarting Isec agent for %s restrictions. All existing Isec connections will be restarted

**Severity:** Info

**Explanation:** IPsec agent needs to restart if the FIPS restrictions are changed

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

**FIPS\_SAME\_ENCRYPT\_DECRYPT\_KEY:** Isec control plane(IKE) derived same keys for the encryption and the decryption in the FIPS restrictions

**Severity:** Error

**Explanation:** IPsec agent will now restart as it is extremely improbable to derive the same crypto keys to encrypt and decrypt data traffic for an Isec session in the FIPS restrictions

**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.

**FIPS\_SELF\_TEST\_FAILED:** IPsec agent control plane self test has failed in the FIPS restrictions

**Severity:** Error

**Explanation:** IPsec agent will not bring up any connections to avoid compromising system security in the FIPS restrictions

**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.

## 2.60 IPV6 Messages

**RA\_INCONSISTENT:** Received inconsistent Router Advertisement from %s on %s

**Severity:** Error

**Explanation:** A Router Advertisement was received with one or more of the following fields inconsistent: Current Hop Limit, Managed Config Flag, Other Config Flag, Reachable Time, Retrans Timer, MTU, On Link Flag (per prefix), Auto Config Flag (per prefix), Preferred Lifetime (per prefix), Valid Lifetime (per prefix)

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

## 2.61 IRA Messages

**RELOAD\_HITLESS\_INTF\_CONFIG\_RESTORATION\_TIMEOUT:** Timed out waiting for IP configuration to be applied on all interfaces.

**Severity:** Warning

**Explanation:** This may result in some traffic disruption during ASU.

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

**RELOAD\_HITLESS\_INTF\_VRF\_RESTORATION\_TIMEOUT:** Timed out waiting for vrf configuration to be applied on all interfaces.

**Severity:** Warning

**Explanation:** This may result in some traffic disruption during ASU.

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

## 2.62 ISIS Messages

**ADJACENCY\_CHANGE:** Neighbor %a state changed to %s

**Severity:** Warning

**Explanation:** A neighbor's IS-IS adjacency state has changed.

**Recommended Action:** Usually, no action is required. This information can be useful for troubleshooting IS-IS if the switch is not properly maintaining adjacency with one or more neighbors.

**CONVERGED:** ISIS in VRF %s has converged and its routes are in FIB

**Severity:** Notice

**Explanation:** ISIS has converged after listening to updates from peers if any and is now ready to advertise best path routes to peers

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

**DUPLICATE\_SYSTEM\_ID:** Duplicate system ID %s detected

**Severity:** Error

**Explanation:** Presence of duplicate system ID detected in the network. Multiple devices in the network might have the same system ID.

**Recommended Action:** Check IS-IS routers in the network for a duplicate system ID.

## 2.63 KERNELFIB Messages

**AGENT\_RESTART:** KernelFib netlink socket has encountered ENOBUF %d times.

**Severity:** Notice

**Explanation:** Restarting the Agent.

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

**DEFAULT\_HW\_OFFLOAD\_NOSRC:** A hardware offload default route %s was added without a source IP.

**Severity:** Warning

**Explanation:** Providing a source IP using the "software forwarding hardware offload route local interface" config is recommended.

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

**THROTTLE\_REDUCED:** Limiting the number of outstanding netlink requests to %d.

**Severity:** Notice

**Explanation:** KernelFib netlink socket has encountered ENOBUF.

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

## 2.64 L1PROFILE Messages

**MODULE\_APPLIED:** L1 module profile configuration %s applied for %s

**Severity:** Info

**Explanation:** L1 Profile configuration has been successfully applied

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

**MODULE\_ERROR:** L1 module profile configuration error for %s: %s

**Severity:** Error

**Explanation:** Error encountered while applying L1 Profile configuration

**Recommended Action:** Ensure that this module supports L1 Profiles, then provide a valid L1 Profile configuration for this module

## 2.65 L1SOURCE Messages

**OK:** Layer1 sourcing has been successfully applied between source %s and destination %s.

**Severity:** Info

**Explanation:** The speeds now match between the two interfaces and the originally requested sourcing has been applied.

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

**SPEED\_MISMATCH:** Speed mismatch found between Layer1 source %s and destination %s, configuration has not been applied.

**Severity:** Info

**Explanation:** A speed mismatch was found between a source and a destination interface. Sourcing will only be applied if two interfaces have the same speed configured.

**Recommended Action:** Configure matching interface speeds on both source and destination interfaces.

**UNSUPPORTED:** The configured Layer1 source for %s is unsupported.

**Severity:** Info

**Explanation:** The configured source is not supported for the destination interface.

**Recommended Action:** Ensure that the interface supports dynamic sourcing and supports configuring the source at the given speed.

## 2.66 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\_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.

**FALLBACK\_INDIVIDUAL:** Entering individual fallback mode on interface %s. Activating members of interface %s as individual switchports 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. All members of this interface are being made active as individual switchports.

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

**FALLBACK\_MISMATCH:** Unable to enter fallback mode on interface %s due to mismatched fallback state with MLAG peer.

**Severity:** Notice

**Explanation:** The port-channel is unable to enter fallback mode because the peer and local switches are in different fallback states.

**Recommended Action:** Verify the port-channel is configured with the same fallback mode on each peer and wait for both peers to be in same fallback state

**FALLBACK\_STATIC:** Entering static fallback mode on interface %s.

**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. Will attempt to make one member of the port-channel statically active until LACP control traffic resumes.

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

**FALLBACK\_STATIC\_ACTIVE:** Activating member interface %s of port-channel %s without successful LACP negotiation.

**Severity:** Notice

**Explanation:** In static fallback mode, one member interface is activated statically.

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

**FALLBACK\_STATIC\_INACTIVE:** No member interface of port-channel %s is activated statically

**Severity:** Notice

**Explanation:** In static fallback mode, none of the member interfaces is activated statically, maybe all member links are down.

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

**FALLBACK\_STATIC\_WITHDRAW:** Withdraw statically activated member interface %s from port-channel %s, port-channel %s now has no active member

**Severity:** Notice

**Explanation:** In static fallback mode, one active member interface is withdrawn from port-channel, the port-channel now has no active member.

**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.

## 2.67 LAG Messages

**MEMBER\_ADDED:** Interface %s has joined %s

**Severity:** Notice

**Explanation:** An Ethernet interface has become an active member of port-channel.

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

**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.

**MEMBER\_REMOVED:** Interface %s has left %s due to: %s

**Severity:** Notice

**Explanation:** An Ethernet interface is no longer part of port-channel.

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

**MINLINK\_INTF\_INSUFFICIENT:** %s has %s active member interfaces with configured min-links %s

**Severity:** Warning

**Explanation:** Port-Channel has fewer member interfaces than configured min-links.

**Recommended Action:** Investigate the LAG/LACP configuration on this system and its peer. Ensure that all ports in the compatible aggregate are connected to the same remote system, and are all configured to be in the compatible aggregate on the remote system.

**MINLINK\_INTF\_NORMAL:** %s has %s active member interfaces with configured min-links %s

**Severity:** Notice

**Explanation:** Port-Channel has sufficient member interfaces as per configured min-links.

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

**MINSPEED\_INTF\_INSUFFICIENT:** %s has active member interfaces with total speed %s and configured minimum speed %s

**Severity:** Warning

**Explanation:** Port-Channel has member interfaces with total speed less than configured min-speed.

**Recommended Action:** Investigate the LAG/LACP configuration on this system and its peer. Ensure that all ports in the compatible aggregate are connected to the same remote system, and are all configured to be in the compatible aggregate on the remote system.

**MINSPEED\_INTF\_NORMAL:** %s has active member interfaces with total speed %s and configured minimum speed %s

**Severity:** Notice

**Explanation:** Port-Channel member interfaces have sufficient total speed as per configured min-speed.

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

**NOT\_PROGRAMMED:** %s can not be programmed in hardware due to insufficient hardware resources.

**Severity:** Error

**Explanation:** Port-channel group hardware ID limit exceeded.

**Recommended Action:** To free resources, remove another port channel that contains two or more members, or reconfigure your monitor sessions to reduce the number of GRE destination interfaces.

**PROGRAMMED:** %s was successfully programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program this port-channel group

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

## 2.68 LAUNCHER Messages

**BOOT\_STATUS:** 'reload hitless' reconciliation complete.

**Severity:** Info

**Explanation:** Prioritized agents participating in 'reload hitless' have completed reconciliation.

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

**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.

**PROCMGR\_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.

## 2.69 LAYER1MONITOR Messages

**MAC\_LOCAL\_FAULT\_CLEARED:** %s MAC local fault condition cleared

**Severity:** Info

**Explanation:** The MAC local fault condition cleared on an interface.

**Recommended Action:** No action is required.

**MAC\_LOCAL\_FAULT\_DETECTED:** %s MAC local fault condition detected

**Severity:** Info

**Explanation:** A MAC local fault condition was detected on an interface, indicating a physical layer problem receiving frames.

**Recommended Action:** Check the physical connection (e.g., cable) between the devices and the configuration of the link on both ends.

**MAC\_REMOTE\_FAULT\_CLEARED:** %s MAC remote fault condition cleared

**Severity:** Info

**Explanation:** The MAC remote fault condition cleared on an interface.

**Recommended Action:** No action is required.

**MAC\_REMOTE\_FAULT\_DETECTED:** %s MAC remote fault condition detected

**Severity:** Info

**Explanation:** A MAC remote fault condition was detected on an interface, indicating a physical layer problem receiving frames at its peer.

**Recommended Action:** Check the physical connection (e.g., cable) between the devices and the configuration of the link on both ends.

**RXPOWER\_THRESHOLD\_HIGH\_ALARM:** %s receive power is %sdBm, which is at or above the alarm threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver receive power monitor is currently reporting a value above the alarm threshold.

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

**RXPOWER\_THRESHOLD\_HIGH\_WARN:** %s receive power is %sdBm, which is at or above the warning threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver receive power monitor is currently reporting a value above the warning threshold.

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

**RXPOWER\_THRESHOLD\_LOW\_ALARM:** %s receive power is %sdBm, which is at or below the alarm threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver receive power monitor is currently reporting a value below the alarm threshold.

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

**RXPOWER\_THRESHOLD\_LOW\_WARN:** %s receive power is %sdBm, which is at or below the warning threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver receive power monitor is currently reporting a value below the warning threshold.

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

**RXPOWER\_THRESHOLD\_RECOVERED:** %s receive power has returned to normal.

**Severity:** Error

**Explanation:** The transceiver receive power monitor is currently reporting a value in the normal operating range.

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

**TEMPERATURE\_THRESHOLD\_HIGH\_ALARM:** %s temperature is %sC, which is at or above the alarm threshold of %sC.

**Severity:** Error

**Explanation:** The transceiver temperature monitor is currently reporting a value above the alarm threshold.

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

**TEMPERATURE\_THRESHOLD\_HIGH\_WARN:** %s temperature is %sC, which is at or above the warning threshold of %sC.

**Severity:** Error

**Explanation:** The transceiver temperature monitor is currently reporting a value above the warning threshold.

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

**TEMPERATURE\_THRESHOLD\_LOW\_ALARM:** %s temperature is %sC, which is at or below the alarm threshold of %sC.

**Severity:** Error

**Explanation:** The transceiver temperature monitor is currently reporting a value below the alarm threshold.

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

**TEMPERATURE\_THRESHOLD\_LOW\_WARN:** %s temperature is %sC, which is at or below the warning threshold of %sC.

**Severity:** Error

**Explanation:** The transceiver temperature monitor is currently reporting a value below the warning threshold.

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

**TEMPERATURE\_THRESHOLD\_RECOVERED:** %s temperature has returned to normal.

**Severity:** Error

**Explanation:** The transceiver temperature monitor is currently reporting a value in the normal operating range.

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

**TRANSCEIVER\_RESET\_SMBUS\_FAILURES:** Transceiver for interface %s has encountered successive SMBus transaction failures and will be reset. Vendor: %s, model: %s, rev: %s, serial number: %s

**Severity:** Warning

**Explanation:** The transceiver has experienced successive SMBus transaction failures and will be reset. This may result in a link flap.

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

**TRANSCEIVER\_SMBUS\_TRANSACTION\_FAILURE:** Transceiver for interface %s has encountered an SMBus transaction failure. Vendor: %s, model: %s, rev: %s, serial number: %s

**Severity:** Info

**Explanation:** The transceiver has experienced an SMBus transaction failure.

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

**TXBIAS\_THRESHOLD\_HIGH\_ALARM:** %s transmit bias is %smA, which is at or above the alarm threshold of %smA.

**Severity:** Error

**Explanation:** The transceiver transmit bias monitor is currently reporting a value above the alarm threshold.

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

**TXBIAS\_THRESHOLD\_HIGH\_WARN:** %s transmit bias is %smA, which is at or above the warning threshold of %smA.

**Severity:** Error

**Explanation:** The transceiver transmit bias monitor is currently reporting a value above the warning threshold.

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

**TXBIAS\_THRESHOLD\_LOW\_ALARM:** %s transmit bias is %smA, which is at or below the alarm threshold of %smA.

**Severity:** Error

**Explanation:** The transceiver transmit bias monitor is currently reporting a value below the alarm threshold.

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

**TXBIAS\_THRESHOLD\_LOW\_WARN:** %s transmit bias is %smA, which is at or below the warning threshold of %smA.

**Severity:** Error

**Explanation:** The transceiver transmit bias monitor is currently reporting a value below the warning threshold.

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

**TXBIAS\_THRESHOLD\_RECOVERED:** %s transmit bias has returned to normal.

**Severity:** Error

**Explanation:** The transceiver transmit bias monitor is currently reporting a value in the normal operating range.

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

**TXPOWER\_THRESHOLD\_HIGH\_ALARM:** %s transmit power is %sdBm, which is at or above the alarm threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver transmit power monitor is currently reporting a value above the alarm threshold.

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

**TXPOWER\_THRESHOLD\_HIGH\_WARN:** %s transmit power is %sdBm, which is at or above the warning threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver transmit power monitor is currently reporting a value above the warning threshold.

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

**TXPOWER\_THRESHOLD\_LOW\_ALARM:** %s transmit power is %sdBm, which is at or below the alarm threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver transmit power monitor is currently reporting a value below the alarm threshold.

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

**TXPOWER\_THRESHOLD\_LOW\_WARN:** %s transmit power is %sdBm, which is at or below the warning threshold of %sdBm.

**Severity:** Error

**Explanation:** The transceiver transmit power monitor is currently reporting a value below the warning threshold.

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

**TXPOWER\_THRESHOLD\_RECOVERED:** %s transmit power has returned to normal.

**Severity:** Error

**Explanation:** The transceiver transmit power monitor is currently reporting a value in the normal operating range.

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

**VOLTAGE\_THRESHOLD\_HIGH\_ALARM:** %s voltage is %sV, which is at or above the alarm threshold of %sV.

**Severity:** Error

**Explanation:** The transceiver voltage monitor is currently reporting a value above the alarm threshold.

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

**VOLTAGE\_THRESHOLD\_HIGH\_WARN:** %s voltage is %sV, which is at or above the warning threshold of %sV.

**Severity:** Error

**Explanation:** The transceiver voltage monitor is currently reporting a value above the warning threshold.

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

**VOLTAGE\_THRESHOLD\_LOW\_ALARM:** %s voltage is %sV, which is at or below the alarm threshold of %sV.

**Severity:** Error

**Explanation:** The transceiver voltage monitor is currently reporting a value below the alarm threshold.

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

**VOLTAGE\_THRESHOLD\_LOW\_WARN:** %s voltage is %sV, which is at or below the warning threshold of %sV.

**Severity:** Error

**Explanation:** The transceiver voltage monitor is currently reporting a value below the warning threshold.

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

**VOLTAGE\_THRESHOLD\_RECOVERED:** %s voltage has returned to normal.

**Severity:** Error

**Explanation:** The transceiver voltage monitor is currently reporting a value in the normal operating range.

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

## 2.70 LDP Messages

**DUPLICATE\_PEER\_INTERFACE\_IP:** Duplicate interface IP %s detected on %s

**Severity:** Warning

**Explanation:** Multiple LDP peers are currently advertising the same interface IP

**Recommended Action:** Ensure only one device is configured with the IP address

**DUPLICATE\_PEER\_INTERFACE\_IP\_RESOLVED:** Duplicate interface IP %s resolved

**Severity:** Warning

**Explanation:** The IP address is now only advertised by one LDP peer

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

**PDU\_EXCEEDS\_MAX\_PDU\_LENGTH:** %s message with length %s causing PDU to exceed max PDU length %s has been sent to peer with LDP ID %s

**Severity:** Warning

**Explanation:** An LDP PDU has been sent to a peer which contains a message causing the PDU length to exceed the max PDU length negotiated for the session. This can be due to the peer negotiating a very small max PDU length during session initialization. The peer may terminate the session as a result of receiving an oversized PDU.

**Recommended Action:** Ensure a sufficiently large max PDU length is configured on the peer.

**SESSION\_DOWN:** Peer LDP ID: %s, Local LDP ID: %s, VRF: %s, Uptime: %s, Reason: %s

**Severity:** Info

**Explanation:** The TCP session with the specified LDP peer is closed.

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

**SESSION\_REJECTED\_BAD\_ID:** LDP session rejected for peer address %s, LDP ID %s

**Severity:** Warning

**Explanation:** LDP session rejected because the LDP ID does not belong to a known adjacency.

**Recommended Action:** If the problem persists, check for network intrusion attempts from the peer address.

**SESSION\_REJECTED\_BAD\_PEER\_ADDR:** LDP session rejected for peer address %s when transport address %s was expected for LDP ID %s

**Severity:** Warning

**Explanation:** LDP session rejected because the peer address is different than the advertised transport address.

**Recommended Action:** Check for network intrusion attempts from the peer address.

**SESSION\_UP:** Peer LDP ID: %s, Peer IP: %a, Local LDP ID: %s, VRF: %s

**Severity:** Info

**Explanation:** A new TCP session has been established with the LDP peer on the given IP address in the specified VRF.

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

## 2.71 LICENSE Messages

**ABOUT\_TO\_EXPIRE:** License for feature %s expires %s.

**Severity:** Warning

**Explanation:**

**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.

**CLOCK\_TAMPERED:** System clock tampering has been detected.

**Severity:** Warning

**Explanation:** Feature agents may stop working.

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

**EXPIRED:** License for feature %s has expired.

**Severity:** Error

**Explanation:** The feature will remain unusable until the licensing issue is resolved.

**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.

**NOT\_FOUND:** Feature %s enabled without a valid license.

**Severity:** Warning

**Explanation:** No license was found for the feature.

**Recommended Action:** Make sure that license file is installed. If the problem persists, contact your support representative. Otherwise, no action is required.

**VIRTUAL\_ROUTE\_REFLECTOR:** cloudeos-route-reflector license terms are being exceeded. Limit is %s paths but the system is processing %s paths.

**Severity:** Warning

**Explanation:** The system is processing more paths than are permitted under the license

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

**VIRTUAL\_ROUTE\_REFLECTOR\_RESOLVED:** The number of paths is now %s, which is below the maximum permitted by the cloudeos-route-reflector license.

**Severity:** Warning

**Explanation:** The number of paths in the system is now under the limit set by the veos-route-reflector license

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

## 2.72 LINEPROTO Messages

**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.

## 2.73 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.

## 2.74 LOADBALANCE Messages

**DUPLICATE\_MATCH\_RULE\_IGNORED:** Ignoring match rule %s in traffic policy %s as it conflicts with another match rule %s in traffic policy %s applied in the same VRF

**Severity:** Warning

**Explanation:** The specified match rule was not programmed in hardware as it was found to conflict with another match rule applied in the same VRF. Within a given VRF, there cannot be two identical match rules.

**Recommended Action:** Use unique match rules in a given VRF that don't conflict with other match rules configured in the same VRF.

**ENTROPY\_LABEL\_HASH\_UNSUPPORTED\_HARDWARE:** Entropy Label Hashing is not supported on fap type %s, slice %s

**Severity:** Error

**Explanation:** Entropy label hashing is supported only on switch chips of type Jericho

**Recommended Action:** Please revert back to default hashing using 'fields mpls label' in load-balance policies

**HW\_CONNECTION\_HISTORY\_EXPIRE\_EARLIER:** Hardware resources are insufficient to program a new connection history entry for group ID %d, hash %d, server %s, expiring earlier entry of group ID %d, hash %d, server %s to make space.

**Severity:** Warning

**Explanation:** To help avoid this issue increase the interval of updates to the nexthop groups.

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

**HW\_CONNECTION\_HISTORY\_VERSION\_FULL:** Hardware resources are insufficient to program a new connection history entry for group ID %d, hash %d, server %s. Expiring earlier entry of server %s to make space.

**Severity:** Warning

**Explanation:** To help avoid this issue increase the interval of updates to the nexthop groups.

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

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all the match rules

**Severity:** Warning

**Explanation:** The switch is unable to program all the match rules due to insufficient hardware resources. The switch encountered this issue because the total number of configured match rules exceed the available hardware resources.

**Recommended Action:** To solve this issue, reduce the number of configured match rules. The switch will then automatically program any unprogrammed match rules in hardware.

**HW\_RESOURCE\_NORMAL:** All the configured match rules are programmed in hardware.

**Severity:** Warning

**Explanation:** The switch was able to program all the configured match rules in hardware.

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

**INVALID\_IPV6\_TUNNEL\_ADDRESS:** IPv6 tunnel address configuration is being ignored due to multiple IPv6 addresses on %s.

**Severity:** Error

**Explanation:** Configuration of the IPv6 tunnel address is valid when there is only 1 IPv6 address on the tunnel source interface

**Recommended Action:** Configure a single IPv6 address on the tunnel source interface

**SERVER\_ADMINSTATE\_CHANGE:** Server %s from nexthop group %s changed admin state from %s to %s%

**Severity:** Notice

**Explanation:** Server state changed. When a server state changes from ENABLED to SHUTDOWN, it indicates that the server has been brought down administratively, either via CLI or by sending an appropriate probe response from the server, indicating that it's being put under maintenance mode.

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

**SERVER\_OPERSTATE\_CHANGE:** Server %s from nexthop group %s changed operational state from %s to %s%s

**Severity:** Notice

**Explanation:** Server state changed. A server state change from DOWN to UP is expected when it is inserted. A transition from UP to DOWN can be due to network issues or some server misconfiguration.

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

**SERVICE\_DOWN:** Policy %s, match rule %s doesn't have an active server

**Severity:** Notice

**Explanation:** Packets destined to the service will be dropped

**Recommended Action:** Ensure the configuration is correct and the servers in the nexthop-group associated with the policy/match-rule are active. If monitoring is enabled, make sure health checks can be performed.

**SERVICE\_UP:** Policy %s, match rule %s is programmed in hardware and has at least one active server

**Severity:** Notice

**Explanation:** Packets destined to the service can be load-balanced.

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

## 2.75 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\_ADDRESS\_ASSIGNED\_TO\_INACTIVE\_INTERFACE:** Source-Address %s is assigned to an inactive interface %s in VRF %s.

**Severity:** Warning

**Explanation:** Configured logging source-address is assigned to an inactive interface on the configured VRF. TCP hosts won't received syslog from a inactive interface.

**Recommended Action:** Please assign the configured source-address to an active interface on the configured VRF.

**SOURCE\_ADDRESS\_UNASSIGNED:** Source-Address %s is not assigned to any interface in VRF %s.

**Severity:** Warning

**Explanation:** Configured logging source-address is unassigned to any interface in the configured VRF. The source-address option will be ignored until it is assigned to an interface on the configured VRF.

**Recommended Action:** Please assign the configured source-address to an interface on the configured VRF.

**TCP\_SOURCE\_ADDRESS\_BOUND\_TO\_VIRTUAL\_INTERFACE:** Source-Address %s is assigned to a virtual interface %s in VRF %s with TCP host(s).

**Severity:** Warning

**Explanation:** Configuring logging source-address with TCP host(s) require the interface to be a physical interface with valid Layer 2 configurations.

**Recommended Action:** Please assign the configured source-address to a physical interface on the configured VRF.

**TCP\_SOURCE\_INTERFACE\_UNSUPPORTED:** Source-Interface spoofing requested with TCP.

**Severity:** Warning

**Explanation:** Configuring logging source-interface with a TCP host is not supported. The source-interface option will be ignored.

**Recommended Action:** Please choose either UDP with source-interface spoofing or TCP without source-interface spoofing.

**TIMESTAMP\_FORMAT\_ERROR:** Unknown timestamp format '%s' was specified

**Severity:** Error

**Explanation:** Logging to 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.

**TLS\_MISSING\_TRUSTED\_CERTIFICATE:** No trusted certificate is configured for SSL profile %s.

**Severity:** Warning

**Explanation:** No trusted certificate is configured. TLS settings will be ignored.

**Recommended Action:** Please add valid trusted certificate to the configured SSL profile.

## 2.76 LOOPBACK Messages

**MODE\_CHANGE:** The loopback mode of interface %s has changed to %s

**Severity:** Info

**Explanation:** The system detected that the loopback mode of an interface has changed

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

## 2.77 LOOPPROTECT Messages

**INTF\_UP:** Bringing interface %s back up after a loop was detected

**Severity:** Info

**Explanation:** Loop protection is configured to bring an interface back up after a period of time has elapsed.

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

**RX\_OTHER:** Received a malformed Loop Protection packet on interface %s

**Severity:** Info

**Explanation:** This may be caused by other switches on the network using ether type 0x88B7, but the source mac for the packet matched this switch.

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

**THROTTLE:** Too many loop protection packet transmits in a second. Throttling.

**Severity:** Warning

**Explanation:** Loop protection is configured to rate-limit the number of packets sent per second and this limit was reached.

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

## 2.78 MACSEC Messages

**FIPS\_POST\_START:** MACsec FIPS restrictions enabled, starting FIPS POST on: %s, which will cause a traffic outage.

**Severity:** Warning

**Explanation:** MACsec FIPS restrictions has been enabled after an SSU reload. FIPS POST must run in order for the linecards to be compliant with the latest FIPS standards. This will cause a traffic outage.

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

**POST\_FAILURE:** Power On Self Test failed for %s with %d-bit key due to %s on interface %s.

**Severity:** Error

**Explanation:** This failure blocks MACsec configuration from taking effect on this interface. Remove and add mac security profile on the interface to retry the test.

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

**RECEIVED\_LATE\_PACKETS:** Received %u packets late on interface %s with SCI %s AN %d

**Severity:** Info

**Explanation:** Packets arrived with delayed or out of order sequence numbers

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

**SUBINTERFACE\_LIMIT\_EXCEEDED:** MACsec configuration is ignored on %s because too many subinterfaces are configured with MACsec.

**Severity:** Error

**Explanation:** MACsec subinterfaces limit exceeded on an interface

**Recommended Action:** Remove the MACsec configuration from the subinterface

**UNSUPPORTED\_BYPASS\_CONFIG:** Per-profile PTP bypass not configurable on %s

**Severity:** Error

**Explanation:** Per-profile PTP bypass is not supported by the MACsec hardware that has been configured.

**Recommended Action:** Remove unsupported per-profile PTP bypass configuration for MKA sessions to come up

**UNSUPPORTED\_EAPOL\_CONFIG:** EAPOL destination not configurable on %s

**Severity:** Error

**Explanation:** Configurable EAPOL attributes for MACsec is not supported by the MACsec hardware that has been configured.

**Recommended Action:** Remove unsupported eapol mac destination configuration for MKA sessions to come up

**UNSUPPORTED\_PTP\_BYPASS:** PTP bypass is applied to some interfaces without full bypass support

**Severity:** Warning

**Explanation:** PTP traffic may not be bypassed on the configured interfaces.

**Recommended Action:** See 'show mac security ptp bypass' for per interface support.

## 2.79 MAPREDUCEMONITOR Messages

**TASKTRACKER\_ACTIVE:** TaskTracker %s changed state to active

**Severity:** Info

**Explanation:** TaskTracker resolved as locally attached by the switch

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

**TASKTRACKER\_INACTIVE:** TaskTracker %s changed state to inactive due to: %s

**Severity:** Info

**Explanation:** TaskTracker cannot be determined to be locally attached either due to unresolved ARP entry from TaskTracker IP address or failure to resolve the TaskTracker name to an IP address. The log message provides the cause.

**Recommended Action:** Check the connectivity from the switch to the TaskTracker and if TaskTracker name to IP address resolution can be performed from the switch.

**TASKTRACKER\_REMOVED:** TaskTracker %s is no longer part of the Hadoop cluster %s

**Severity:** Info

**Explanation:** The TaskTracker is no longer part of the cluster as announced by the JobTracker.

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

## 2.80 MATCH Messages

**RULE\_FIELD\_UNAVAILABLE:** The %s field configured in the %s rule in %s is not present in the TCAM key.

**Severity:** Info

**Explanation:** This field will not be programmed in the TCAM and this may have side effects such as false positives and shadowing of more specific rules. Remove the field from the rule or add the field to the TCAM key.

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

## 2.81 MAX24305 Messages

**INIT\_FAILED:** Possible hardware error with the Max24305 chip.

**Severity:** Error

**Explanation:** Initialization of the Max24305 chip has failed.

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

## 2.82 MCS Messages

**IMPACTED\_RECEIVER\_REASON:** %s

**Severity:** Info

**Explanation:** An MCS receiver has become impacted, severing the multicast traffic flow to the receiving device's interface.

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

## 2.83 MESSAGE Messages

**SIZE\_EXCEEDED:** BGP is unable to send an update message as the message is too large (%u of %d bytes)

**Severity:** Warning

**Explanation:** A BGP update message was generated which is too large to send. BGP limits the maximum message size. If BGP generates an update message that exceeds this maximum message size, then the update message is not sent as the peer would reject it. This occurs when the length of the path attributes for one or more routes is near to or exceeds the maximum message size.

**Recommended Action:** Check to see if any routes have any large attributes. A large AS\_PATH could indicate a AS\_PATH loop has formed. A router could also be attaching large unknown transitive attributes. Take steps to reduce the attribute length for affected routes.

## 2.84 MGMTSECURITY Messages

**UNSUPPORTED\_SECRET\_PROFILE:** %s configured to use shared-secret profile %s that has an unsupported secret

**Severity:** Error

**Explanation:** The assigned shared-secret profile has a secret with a field in a format that is not supported by the agent that is configured to use it. BFD only supports shared-secret profiles where all secrets have numeric IDs in the range 0-255. BGP only supports shared-secret profiles where each secret has a numeric ID in the range 0-255 and the receive and transmit lifetimes are identical to one another. Macsec only supports shared-secret profiles where all secrets have hex IDs representing up to 64 octets. IS-IS only supports shared-secret profiles where each secret has a numeric ID in the range 0-65535 and the transmit lifetime should be within the range of the receive lifetime.

**Recommended Action:** Fix the shared-secret profile or assign a shared-secret profile that supports the feature

## 2.85 MIRRORING Messages

**ACL\_FWD\_DROP\_NOT\_SUPPORTED:** ACL not supported on the forwarding drop destination of session %s

**Severity:** Warning

**Explanation:** Forwarding drop mirroring sessions do not support ACLs. ACL will be ignored.

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

**ACL\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all mirror 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.

**DEFAULT\_GRE\_KEY\_OTHER\_SESSIONS:** Default header key (0x%s) will be applied to existing GRE mirroring sessions without a configured key.

**Severity:** Warning

**Explanation:** The default GRE header key will be applied to existing GRE tunnel mirroring sessions which have no configured key. This is because session %s has been configured with a GRE header key value.

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

**DEFAULT\_GRE\_KEY\_THIS\_SESSION:** Default header key (0x%s) will be applied to GRE mirroring session %s.

**Severity:** Warning

**Explanation:** Since there are other GRE tunnel mirroring sessions configured with the header key field, this session will contain a default GRE header key value.

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

**EGRESS\_ACL\_SESSION\_LIMIT\_EXCEEDED:** ACL based mirroring for monitor session %s configured in egress ACL %s is inactive, because it exceeds the maximum number of supported egress ACL mirroring sessions %d.

**Severity:** Error

**Explanation:** Additional egress ACL mirroring configuration will not be programmed in hardware while the hardware limit is exceeded.

**Recommended Action:** Reduce the number of configured monitor sessions included in egress ACLs.

**EGRESS\_ACL\_SESSION\_NORMAL:** ACL based mirroring for monitor session %s configured in egress ACL %s is active.

**Severity:** Error

**Explanation:** The switch was able to program the monitor session configured in the egress ACL.

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

**GRE\_KEY\_REMOVED\_ALL\_SESSIONS:** Header key will be removed from all GRE mirroring sessions.

**Severity:** Warning

**Explanation:** The GRE header key field will be removed from all GRE tunnel mirroring sessions. This is because all other sessions only contain the default GRE header key value.

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

**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.

**TRUNCATION\_NOT\_SUPPORTED:** Truncation is not supported on monitor session %s's source ports that are on forwarding chip %s. %s

**Severity:** Warning

**Explanation:** Truncation in monitor sessions is not supported on this forwarding chip.

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

**TX\_DIR\_SESSION\_LIMIT\_EXCEEDED:** TX mirroring for monitor session %s is inactive, because it exceeds the maximum number of supported TX mirroring sessions %d.

**Severity:** Error

**Explanation:** When the maximum number of supported TX mirroring sessions is exceeded, TX mirroring config in newly created monitor sessions is not programmed into hardware.

**Recommended Action:** Reduce the number of configured monitor sessions with tx source interface, or reduce the number of configured monitor sessions included in egress ACLs.

## 2.86 MKA Messages

**CA\_CREATED:** Connectivity Association for CKN %s created on interface %s

**Severity:** Info

**Explanation:** CAK-CKN is configured on the interface for security relationship with other peers

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

**FALLBACK\_KEY\_IN\_USE:** Configured fallback key %s currently in use on interface %s

**Severity:** Warning

**Explanation:** The fallback key is the operational key on the interface. This could indicate a problem with the configured primary key.

**Recommended Action:** Check the primary key configuration.

**INTERFACE\_NOT\_READY:** Interface %s not ready for new SAK installation. Ending MKA suspension on this port forcefully

**Severity:** Error

**Explanation:** Initialization of platform MACsec agents did not complete even after maximum suspension timeout. Restart platform MACsec agents or flap the interfaces.

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

**KEY\_IN\_USE:** Configured key %s currently in use on interface %s

**Severity:** Notice

**Explanation:** Configured primary key is the operational key on the interface.

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

**SAK\_ACTIVATED:** Activated SAK with key id ending in %s:%s on interface %s

**Severity:** Info

**Explanation:** SAK activated, all data packets henceforth will be encrypted with this SAK

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

**SAK\_CREATED:** New SAK created with key id ending in %s:%s on interface %s

**Severity:** Info

**Explanation:** New Secure Association established. Reasons could be : Rekey Period Expiry, New KeyServer or LLPN Exhaustion

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

**SAK\_IGNORED:** New SAK received with key id ending with %s:%s on interface %s is ignored

**Severity:** Error

**Explanation:** SAK can't be programmed as it is not supported

**Recommended Action:** Check the key server priority configuration in the mac security profile or check the offset confidentiality field in the distributed SAK

**SESSION\_ESTABLISHED:** MKA session established with peer SCI %s::%s and CKN %s on interface %s

**Severity:** Info

**Explanation:** Peer having this SCI added to live peer list

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

**SESSION\_FAILURE:** MKA %ssession failure due to %s on interface %s configured with profile %s%s

**Severity:** Error

**Explanation:** MKA session failure could be due to mismatching parameters or invalid parameter set received in the packet

**Recommended Action:** Reconfigure mac security profile with same CAK,CKN and cipher suite as peer

**SESSION\_REKEY\_PERIOD\_ADJUSTED:** Configured session re-key period adjusted to minimum permissible value of %f seconds

**Severity:** Notice

**Explanation:** Configured session re-key period is less than the configured MKA lifetime value.

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

**STATE\_CHG:** MKA using key %s %s on interface %s

**Severity:** Notice

**Explanation:** Macsec key agreement protocol state changed on the interface

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

**UNPROTECTED\_TRAFFIC:** MACSec protection is disabled on interface %s. Traffic is %s

**Severity:** Warning

**Explanation:** Traffic is unprotected on the interface. This may indicate a problem with configured primary and fallback keys.

**Recommended Action:** Check primary and fallback key configuration

## 2.87 MLAG Messages

**DUAL\_PRIMARY:** MLAG dual-primary condition is %s

**Severity:** Warning

**Explanation:** Both MLAG peers might be in primary due to peer link failure. When peer-link comes back, the condition will be resolved. If dual-primary detection is enabled MLAG may detect this condition too.

**Recommended Action:** Check the MLAG peer link for possible connectivity problems.

**DUAL\_PRIMARY\_HEARTBEAT\_DOWN:** MLAG is not receiving UDP heartbeats from the configured heartbeat peer %s.

**Severity:** Error

**Explanation:** The configured heartbeat address is not receiving heartbeat packets.

**Recommended Action:** Check on the heartbeat address connection

**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\_ACL\_STAGE\_TIMEOUT:** Egress filter installation stage on %s has timed out

**Severity:** Warning

**Explanation:** The specified Port-Channel is now active. This may cause a network loop or double-delivery, as the state of the peer's egress filter is unknown.

**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\_RECONNECT:** The connection with MLAG peer %s was reestablished. MLAG state remains %s.

**Severity:** Warning

**Explanation:** MLAG successfully renegotiated with its peer.

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

**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).

**PEER\_HEARTBEAT\_RESUMED:** MLAG resumed receiving %s heartbeats from the peer %s.

**Severity:** Error

**Explanation:** Heartbeat messages are now being received from the peer after timeout.

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

**PEER\_HEARTBEAT\_TIMEOUT:** MLAG stopped receiving %s heartbeats from the peer %s.

**Severity:** Error

**Explanation:** No heartbeat messages were received from the peer for longer than the configured timeout.

**Recommended Action:** Check the health of both MLAG agents. Test and troubleshoot IP connectivity between the two peers (e.g., ping the configured MLAG peer-address).

**PEER\_MOUNT\_FAILURE:** MLAG is unable to mount state from peer %s. MLAG state remains %s.

**Severity:** Error

**Explanation:** MLAG recovery period for a broken TCP connection expired. Mlag agent is not able to mount its peer state.

**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\_FWD\_AGENT\_RESTART:** MLAG is inactive with peer %s because the forwarding agent restarted

**Severity:** Info

**Explanation:** The forwarding agent restarted, causing the peer relationship to end.

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

**STATE\_INACTIVE\_HW\_NOT\_READY:** MLAG is inactive because the hardware is not ready.

**Severity:** Error

**Explanation:** Hardware resources needed for MLAG functionality are not ready.

**Recommended Action:** Check the forwarding agent logs to find the details of the resources MLAG is waiting for.

**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\_INACTIVE\_PEER\_LINK\_NOT\_PRESENT:** MLAG is inactive because the peer link (%s) connected to peer %s is not present

**Severity:** Error

**Explanation:** The configured peer link is not present. MLAG must become inactive because it cannot communicate with the peer.

**Recommended Action:** Check the transceivers and linecards containing the peer link(s).

**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.

## 2.88 MLD Messages

**MESSAGE\_INVALID\_MULTICAST\_ADDRESS:** Received invalid addr %s in %s.

**Severity:** Warning

**Explanation:** It is not a multicast address.

**Recommended Action:** Capture the packet using tcpdump and contact support.

**MESSAGE\_INVALID\_SOURCE:** Received invalid source %s for group %s in %s

**Severity:** Warning

**Explanation:** Source is not a valid unicast address.

**Recommended Action:** Capture the packet using tcpdump and contact support.

**QUERY\_VERSION\_CONFIGURED\_DISCREPANCY:** MLD version %d query heard on vlan %d by a querier configured to version %d.

**Severity:** Warning

**Explanation:** The switch detected an Mld 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

## 2.89 MLDSNOOPING Messages

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

**Severity:** Warning

**Explanation:** The switch detected that the number of MLD 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:** MLD group limit of %d groups no longer exceeded in VLAN %d

**Severity:** Warning

**Explanation:** The switch detected that the number of MLD 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:** MLD group limit no longer exceeded in VLAN %d

**Severity:** Warning

**Explanation:** The switch detected that the number of MLD 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 MLD Snooping groups%s.

**Severity:** Error

**Explanation:** The switch is unable to program all MLD Snooping groups because the MLD Snooping groups exceed the available hardware resources.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the number of MLD Snooping groups. When the number of groups reduces, the switch automatically programs any unprogrammed groups in hardware.

**HW\_RESOURCE\_NORMAL:** All IPv6 multicast routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the MLD Snooping groups in hardware and normal hardware routing has resumed.

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

**NO\_MLD\_QUERIER:** No MLD querier detected in VLAN %d. MLD report received from %d on %d for %d

**Severity:** Info

**Explanation:** The switch did not detect an MLD querier running in the specified VLAN. This will cause multicast traffic to be flooded to all members of the VLAN.

**Recommended Action:** Configure an MLD querier for the specified VLAN.

## 2.90 MMODE Messages

**INTF\_PROFILE\_CHANGE:** For interface %s, interface profile changed to %s (was %s)

**Severity:** Notice

**Explanation:** A different interface profile was picked based on precedence because the same same interface was part of multiple units.

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

**MAINT\_OP\_WARNING:** Unit config is deleted for unit %s. The unit is still undergoing maintenance operation.

**Severity:** Warning

**Explanation:** The maintenance status for the unit would be lost.

**Recommended Action:** Please check the configuration.

**MAINT\_STAGE\_PROGRESS:** Stage %s %s for unit %s

**Severity:** Info

**Explanation:** Stage Progression logs

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

**MAINT\_UNIT\_STATE\_CHANGE:** Maintenance unit state changed for unit %s. Old State %s, New State %s

**Severity:** Notice

**Explanation:** Maintenance unit state change log

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

## 2.91 MPLS Messages

**LABEL\_EXHAUSTION:** %s ran out of MPLS labels in the '%s' range

**Severity:** Error

**Explanation:** This is caused by a request for more labels and the range is fully allocated.

**Recommended Action:** Please increase the configured size of the label range and contact your support representative if the problem persists.

**LABEL\_USE\_NORMAL:** %s MPLS label usage in the '%s' range is back to normal

**Severity:** Error

**Explanation:** This is caused by an MPLS label range entering a normal range after having been exhausted.

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

## 2.92 MPLSUTILS Messages

**RX\_ERROR:** %s

**Severity:** Error

**Explanation:** MplsUtils listener hit an error during operation.

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

## 2.93 MROUTE Messages

**ACTIVITY\_POLLING\_INTERVAL\_NOT\_SUPPORTED:** The value is set to the minimum supported value of %ds instead of the configured %ds

**Severity:** Warning

**Explanation:** The configured value is less than minimum supported activity polling interval, activity polling interval is set to the minimum supported value.

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

**FASTDROP\_LIMIT\_EXCEEDED:** This device has reached the software limit for fastdrop entries in VRF %s

**Severity:** Warning

**Explanation:** Increase the number of allowed fastdrop entries or some rpf failures will continue coming to cpu.

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

**FASTDROP\_LIMIT\_NO\_LONGER\_EXCEEDED:** This device is no longer at the software limit for fastdrop entries in VRF %s.

**Severity:** Warning

**Explanation:** Rpf failures will install fastdrop entries and no longer come to cpu.

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

**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.

## 2.94 MRP Messages

**ERROR:** %s

**Severity:** Info

**Explanation:** MRP error occurred

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

**JOIN:** MRP Join received on %s, attrType: %s, key: %s, state: %s, event: %s

**Severity:** Info

**Explanation:** MRP Join was received on an interface

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

**LV:** MRP Lv %s on %s, attrType: %s, key: %s, state: %s, event: %s

**Severity:** Info

**Explanation:** MRP Lv was handled on an interface

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

## 2.95 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.

**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.

## 2.96 MSRP Messages

**BW\_ALLOC\_FAIL:** Bandwidth %d kbps allocation failed for listener on %s and streamId 0x%s

**Severity:** Info

**Explanation:** MSRP Bandwidth could not be allocated for a listener

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

**BW\_ALLOC\_SUCCESS:** Bandwidth %d kbps successfully allocated for listener on %s and streamId 0x%s

**Severity:** Info

**Explanation:** MSRP Bandwidth was allocated for a listener

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

**BW\_DEALLOC:** Bandwidth %d kbps deallocated for listener on %s and streamId 0x%s

**Severity:** Info

**Explanation:** MSRP Bandwidth was deallocated for a listener

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

**DOMAIN\_JOIN:** Domain Join %s on %s: Class: %d, Priority: %d, SrVID: %d

**Severity:** Info

**Explanation:** MSRP Domain message was transmitted/received on an interface

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

**DOMAIN\_LV:** Domain Lv %s on %s: Class: %d, Priority: %d, SrVID: %d

**Severity:** Info

**Explanation:** MSRP Domain message was transmitted/received on an interface

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

**ERROR:** %s

**Severity:** Info

**Explanation:** MSRP error occurred

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

**LISTENER\_JOIN:** Listener Join %s on %s: StreamId 0x%s, state %d

**Severity:** Info

**Explanation:** MSRP Listener message was transmitted/received on an interface

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

**LISTENER\_LV:** Listener Lv %s on %s: StreamId 0x%s, state %d

**Severity:** Info

**Explanation:** MSRP Listener message was transmitted/received on an interface

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

**NOTIF:** %s

**Severity:** Info

**Explanation:** MSRP notification

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

**SR\_CLASS\_TRANSITION:** MSRP %d state on %s changed from %d to %d

**Severity:** Info

**Explanation:** MSRP SR Class state transition occurred on an interface

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

**TALKER\_ADV\_JOIN:** TalkerAdv Join %s on %s: StreamId 0x%s, failureCode %d

**Severity:** Info

**Explanation:** MSRP Talker Advertise message was transmitted/received on an interface

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

**TALKER\_ADV\_LV:** TalkerAdv Lv %s on %s: StreamId 0x%s

**Severity:** Info

**Explanation:** MSRP Talker Advertise message was transmitted/received on an interface

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

**TALKER\_FAIL\_JOIN:** TalkerFail Join %s on %s: StreamId 0x%s, failureCode %d, failedBridgeId 0x%s

**Severity:** Info

**Explanation:** MSRP Talker Fail message was transmitted/received on an interface

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

**TALKER\_FAIL\_LV:** TalkerFail Lv %s on %s: StreamId 0x%s, failureCode %d

**Severity:** Info

**Explanation:** MSRP Talker Fail message was transmitted/received on an interface

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

## 2.97 MULTIHOMING Messages

**TCAM\_RESOURCE\_FULL:** TCAM resource for EVPN Multi-Homing exhausted

**Severity:** Error

**Explanation:** TCAM is full and allocation of new entry has failed.

**Recommended Action:** Remove unused ACLs to free up TCAM usage and/or reconfigure EVPN usage to reduce number of interfaces and VLANs used

**TCAM\_RESOURCE\_RECOVERED:** TCAM resource for EVPN Multi-Homing recovered

**Severity:** Notice

**Explanation:** TCAM is no longer full and new entries can be allocated

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

## 2.98 MVRP Messages

**ERROR:** %s

**Severity:** Info

**Explanation:** MVRP error occurred

**Recommended Action:** Please check if the interface is a trunk port and vlan is configured in the trunk allowed VLAN list.

**NOTIF:** %s

**Severity:** Info

**Explanation:** MVRP notification

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

**VLAN\_JOIN:** VLAN Join for %d %s on %s

**Severity:** Info

**Explanation:** MVRP Vlan Join message was transmitted/received on an interface

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

**VLAN\_LV:** VLAN Leave for %d %s on %s

**Severity:** Info

**Explanation:** MVRP Vlan Leave message was transmitted/received on an interface

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

**VLAN\_NEW:** VLAN New for %d %s on %s

**Severity:** Info

**Explanation:** MVRP Vlan New message was transmitted/received on an interface

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

## 2.99 NAT Messages

**ACCESS\_LIST\_FILTER\_INVALID\_MULTICAST\_ADDRESS:** NAT access list %s configured on interface %s has an invalid source address multicast filter

**Severity:** Error

**Explanation:** The switch is unable to program this NAT rule.

**Recommended Action:** Reconfigure your access list to remove the source address multicast filter.

**ACCESS\_LIST\_INVALID\_UNICAST\_AND\_MULTICAST\_FILTERS:** NAT access list %s configured on interface %s has both unicast and multicast filters

**Severity:** Error

**Explanation:** The switch is unable to program this NAT rule.

**Recommended Action:** Reconfigure your access list to remove the unicast or multicast filters. If both unicast and multicast filters are required, use separate access lists for each type.

**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.

**CONNLIMIT\_EXCEEDED:** The number of active NAT connections has exceeded its limit. There are too many active NAT connections.

**Severity:** Warning

**Explanation:** No new connections can be made until existing connections are below low mark limit.

**Recommended Action:** Configure 'ip nat translation max-entries' with higher value if more concurrent connections need to be supported

**CONNLIMIT\_NORMAL:** The number of active NAT connections has dropped below its low mark limit.

**Severity:** Warning

**Explanation:** The number of active NAT connections has dropped below its low mark limit and new NAT connections can be made

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

**DYNAMIC\_CONNECTION\_LIMIT\_EXCEEDED:** Reached the maximum number of dynamic rules configurable in the system

**Severity:** Error

**Explanation:** The switch is unable to program more dynamic NAT rules in the kernel.

**Recommended Action:** Reconfigure your NAT configuration to use fewer rules.

**DYNAMIC\_POOL\_ALLOCATION\_THRESHOLD:** The active number of dynamic NAT entries in the pool %s has reached the configured threshold (%d%%). Pool size: %d, current allocation: %d

**Severity:** Info

**Explanation:** The NAT dynamic pool threshold is configured and has been reached.

**Recommended Action:** Configure the NAT dynamic pool threshold to an higher value, if required

**EVENT\_ADD:** Added NAT entry: natIntf: %s; original tuple: %s; translated tuple: %s: %s; flags: %d

**Severity:** Info

**Explanation:** The entry has been programmed in the table.

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

**EVENT\_DEL:** Deleted NAT entry: natIntf: %s; original tuple: %s; translated tuple: %s: %s; flags: %d

**Severity:** Info

**Explanation:** The entry has been removed from the table.

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

**FC\_CONNLIMIT\_EXCEEDED:** The number of active full-cone NAT connections has exceeded its limit. There are too many active full-cone NAT connections.

**Severity:** Warning

**Explanation:** No new full-cone connections can be made until existing connections are below low mark limit.

**Recommended Action:** Configure 'ip nat translation max-entries full-cone' with higher value if more concurrent connections need to be supported

**FC\_CONNLIMIT\_NORMAL:** The number of active full-cone NAT connections has dropped below its low mark limit.

**Severity:** Warning

**Explanation:** The number of active full-cone NAT connections has dropped below its low mark limit and new full-cone NAT connections can be made

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

**HOST\_CONNLIMIT\_EXCEEDED:** The number of active NAT connections for host %s in VRF %s has exceeded its limit. There are too many active NAT connections.

**Severity:** Warning

**Explanation:** No new NAT connections can be made until existing connections are below low mark limit.

**Recommended Action:** Configure 'ip nat translation max-entries' with higher value for this host if more concurrent connections need to be supported

**HOST\_CONNLIMIT\_NORMAL:** The number of active NAT connections for host %s in VRF %s has dropped below its low mark limit.

**Severity:** Warning

**Explanation:** The number of active NAT connections has dropped below its low mark limit and new NAT connections can be made

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

**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.

**HW\_RESOURCE\_NORMAL:** All NAT rules are programmed in hardware

**Severity:** Info

**Explanation:** The switch was able to program all the NAT rules in the NAT table

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

**OVERLAPPED\_POOLRANGE:** NAT Pool range ( %s, %s ) in pool '%s' overlaps with range( %s, %s ) in pool: '%s'

**Severity:** Error

**Explanation:** The behavior with overlapping pool range is undefined

**Recommended Action:** Reconfigure pool with a different pool range

**PEER\_ACL\_DENIED:** Peer connTuple %s is denied by local acl %s

**Severity:** Error

**Explanation:** Peer connTuple is not allowed by the our own acl configured.

**Recommended Action:** Peer and local are expected to have the same NAT configuration.

**PEER\_CONNTUPLE\_TRANSLATION\_CONFLICT:** Peer translation %s conflicts with local translation %s for %s , deleting %s entry

**Severity:** Error

**Explanation:** Peer and local have chosen different translations for the same connTuple

**Recommended Action:** Peer and local are expected to have the same NAT translations.

**PEER\_DYNAMIC\_CONFIG\_MISMATCH:** Peer configuration for access list %s is different than the local one

**Severity:** Error

**Explanation:** Peer NAT translation is not allowed because of the configuration mismatch.

**Recommended Action:** The peer and local switches are expected to have the same NAT configuration.

**PEER\_ERROR:** Unexpected error %s (%d) encountered while programming the Kernel

**Severity:** Error

**Explanation:** Unexpected error encountered, entry will be removed

**Recommended Action:** Unexpected error during kernel entry programming

**PEER\_FULL\_CONE\_TRANSLATION\_CONFLICT:** Possible conflict while synchronising full-cone flow %s

**Severity:** Error

**Explanation:** Peer and local have chosen different translations for the same full-cone flow

**Recommended Action:** Peer and local are expected to have the same NAT translations.

**PEER\_INT\_STATUS\_MISSING:** Peer interface status %s is missing

**Severity:** Error

**Explanation:** Peer interface status is expected for the connection tuple to take effect

**Recommended Action:** Peer and local are expected to have the same NAT configuration.

**PEER\_POOL\_DENIED:** Peer connTuple %s is denied by local pool %s

**Severity:** Error

**Explanation:** Peer connTuple is not allowed by the our own pool configured.

**Recommended Action:** Peer and local are expected to have the same NAT configuration.

**PEER\_PORT\_RANGE\_CONFLICT:** Overlapping layer4 port ranges for dynamic Nat, range: %s, peer range: %s

**Severity:** Error

**Explanation:** Conflict in local and synchronized layer 4 port ranges

**Recommended Action:** Conflict in local and synchronized layer 4 port ranges

**PEER\_TRANSLATION\_CONFLICT:** Peer entry %s and local entry %s conflict for translation %s , deleting %s entry

**Severity:** Error

**Explanation:** Peer and local have chosen the same translations for different connTuple

**Recommended Action:** Peer and local are expected to have the same NAT translations.

**PEER\_VIP\_CONFLICT:** Peer VIP %s conflict

**Severity:** Error

**Explanation:** Peer and local have chosen same Virtual IP for different connTuples

**Recommended Action:** Peer and local are expected to have the same NAT translations.

**PEER\_VRF\_MISMATCH:** Peer interface %s and local interface %s belong to different VRFs

**Severity:** Error

**Explanation:** Peer interface and local interface are members of different VRFs, unable to synchronize connection tuples across VRFs

**Recommended Action:** Configure the peer interface and the local interface to be members of the same VRF

**POOL\_CONNLIMIT\_DROP\_RULES:** NAT active number of connections for pool %s has exceeded the connection limit: %d, installing iptable drop rules

**Severity:** Info

**Explanation:** Connection limit is active and has reached its limit.

**Recommended Action:** Configure 'ip nat translation max-entries pool' to a higher value, if required

**POOL\_CONNLIMIT\_NO\_DROP\_RULES:** NAT active number of connections for pool %s has reached below the connection limit low mark: %d, deleting iptable drop rules

**Severity:** Info

**Explanation:** Connection limit is active and active connections have reached low mark.

**Recommended Action:** Run 'show ip nat translation max-entries' to see number of active connections and limit

**POOL\_RANGE\_LIMIT\_EXCEEDED:** Nat Pool '%s' used for address-only NAT has more than %d ranges configured

**Severity:** Error

**Explanation:** The switch is unable to program any address-only NAT rule that uses this pool.

**Recommended Action:** Reconfigure your Pool to use fewer ranges.

**RULE\_IF\_MAX:** The active number of interfaces associated with the NAT rule: '%s', has exceeded the maximum. Cannot add VLAN %d. Interface count: %d, Maximum interfaces: %d.

**Severity:** Error

**Explanation:** The maximum number of active interfaces associated with the NAT rule has been reached.

**Recommended Action:** Remove the NAT rule from any interface not currently in use.

**SYM\_CONNLIMIT\_EXCEEDED:** The number of active symmetric NAT connections has exceeded its limit. There are too many active symmetric NAT connections.

**Severity:** Warning

**Explanation:** No new symmetric connections can be made until existing connections are below low mark limit.

**Recommended Action:** Configure 'ip nat translation max-entries symmetric' with higher value if more concurrent connections need to be supported

**SYM\_CONNLIMIT\_NORMAL:** The number of active symmetric NAT connections has dropped below its low mark limit.

**Severity:** Warning

**Explanation:** The number of active symmetric NAT connections has dropped below its low mark limit and new symmetric NAT connections can be made

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

## 2.100 OPENFLOW Messages

**BIND\_MODE\_CHANGE:** OpenFlow Bind Mode changed from %s to %s

**Severity:** Info

**Explanation:** OpenFlow Bind Mode has been changed

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

**CONTROLLER\_AUX\_CONNECT:** Controller %s role %s auxiliary channel connected.

**Severity:** Info

**Explanation:** Controller Auxiliary connection is active

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

**CONTROLLER\_AUX\_DISCONNECT:** Controller %s role %s auxiliary channel disconnected.

**Severity:** Info

**Explanation:** Controller Auxiliary connection is inactive

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

**CONTROLLER\_CONNECT:** Controller %s role %s connected.

**Severity:** Info

**Explanation:** Controller main connection is active

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

**CONTROLLER\_DISCONNECT:** Controller %s role %s disconnected.

**Severity:** Info

**Explanation:** Controller main connection is inactive

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

**FORWARDING\_PIPELINE\_CHANGE:** OpenFlow Forwarding Pipeline changed from %s to %s

**Severity:** Info

**Explanation:** OpenFlow Forwarding Pipeline has been changed

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

**TABLE\_PROFILE\_CHANGE:** OpenFlow Table Profile changed from %s to %s

**Severity:** Info

**Explanation:** OpenFlow Table Profile has been changed

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

**TFM\_ACTION\_ID\_COUNT\_EXCEEDED:** Action ID count for table %d exceeded max count %d

**Severity:** Error

**Explanation:** Number of Action IDs per table feature exceeded max supported

**Recommended Action:** Check Table Features Message on controller

**TFM\_APPLY\_ACTION\_NOT\_SUPPORTED:** Apply Action ID %s in TFM table %d is not supported

**Severity:** Error

**Explanation:** Apply Action ID in this log is not supported

**Recommended Action:** Update controller code to not send this particular Apply Action ID

**TFM\_APPLY\_SETFIELD\_NOT\_SUPPORTED:** Apply Setfield ID %s in TFM table %d is not supported

**Severity:** Error

**Explanation:** Apply Setfield ID in this log is not supported

**Recommended Action:** Update controller code to not send this particular Apply Setfield ID

**TFM\_INSTRUCTION\_ID\_COUNT\_EXCEEDED:** Instruction ID count for table %d exceeded max count %d

**Severity:** Error

**Explanation:** Number of Instruction IDs per table feature exceeded max supported

**Recommended Action:** Check Table Features Message on controller

**TFM\_MATCH\_KEY\_NOT\_SUPPORTED\_CANDIDATE:** Match key %s in TFM table %d is not supported

**Severity:** Error

**Explanation:** Match Key in this log is identified as possible key not supported

**Recommended Action:** Update controller code to not send this particular match key

**TFM\_NEXT\_TABLE\_ID\_COUNT\_EXCEEDED:** Next Table ID count for table %d exceeded max count %d

**Severity:** Error

**Explanation:** Number of Next Table IDs per table feature exceeded max supported

**Recommended Action:** Check Table Features Message on controller

**TFM\_OXM\_ID\_COUNT\_EXCEEDED:** OXM ID count for table %d exceeded max count %d

**Severity:** Error

**Explanation:** Number of OXM IDs per table feature exceeded max supported

**Recommended Action:** Check Table Features Message on controller

**TFM\_OXM\_KEY\_INVALID:** OXM ID %d in TFM message is invalid

**Severity:** Info

**Explanation:** Table Features Message contains invalid OXM ID

**Recommended Action:** Update controller to send valid OXM IDs

**TFM\_TABLE\_NOT\_SUPPORTED:** TFM Table %d with match keys %s not supported

**Severity:** Error

**Explanation:** Table Features Message requested a table with match keys not supported by the platform

**Recommended Action:** Update controller code to send match keys supported by the platform

**TFM\_WILDCARD\_NOT\_SUPPORTED:** Wildcard ID %s in TFM table %d is not supported

**Severity:** Error

**Explanation:** Wildcard ID in this log is not supported

**Recommended Action:** Update controller code to not send this particular Wildcard ID

**TFM\_WRITE\_ACTION\_NOT\_SUPPORTED:** Write Action ID %s in TFM table %d is not supported

**Severity:** Error

**Explanation:** Write Action ID in this log is not supported

**Recommended Action:** Update controller code to not send this particular Write Action ID

**TFM\_WRITE\_SETFIELD\_NOT\_SUPPORTED:** Write Setfield ID %s in TFM table %d is not supported

**Severity:** Error

**Explanation:** Write Setfield ID in this log is not supported

**Recommended Action:** Update controller code to not send this particular Write Setfield ID

## 2.101 OSPF Messages

**ADJACENCY\_ESTABLISHED:** NGB %a, interface %a adjacency established.

**Severity:** Warning

**Explanation:** The switch has finished the OSPF handshaking process with a neighboring switch and now sees it as adjacent.

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

**ADJACENCY\_TEARDOWN:** NGB %a, interface %a adjacency dropped: %s, state was: %s.

**Severity:** Warning

**Explanation:** The switch has removed a neighbor's adjacent status for the given reason. There are many possible causes, including invalid data received from a neighbor, a change in which neighbors are eligible for adjacency, or OSPF being explicitly disabled on the switch or its neighbors.

**Recommended Action:** Depending on the reason and other network conditions, this may or may not require action.

**ADJACENCY\_TYPE\_MISMATCH:** There is an adjacency type mismatch between interface %s (type %s with IP address %a) and neighbor router %a (type %s), the adjacency will not be used for routing

**Severity:** Warning

**Explanation:** Please be aware that adjacencies formed between Point-to-Point and Broadcast neighbors does not provide full OSPF functionality.

**Recommended Action:** Identify the two ends of the adjacency and if possible, configure the routers to be in the same OSPF interface network type.

**CONVERGED:** OSPF in VRF %s has converged and its routes are in FIB

**Severity:** Notice

**Explanation:** OSPF has converged after listening to updates from peers if any and is now ready to advertise best path routes to peers

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

**DB\_LINK\_SUPPRESSED:** Unnumbered interface %s has index %A that overlaps with numbered interface %s. Suppressing link.

**Severity:** Warning

**Explanation:** The interface index of an unnumbered interface has the same value as the IP address of another numbered point-to-point interface on this device. This would result in OSPF advertising a duplicate link. That duplicate link has been suppressed.

**Recommended Action:** Consider making both affected interfaces either numbered or unnumbered

**MAXLSALIMIT:** The max-lsa limit of %d has been reached for OSPF instance %d, shutting down for %d minutes (%d of %d)

**Severity:** Error

**Explanation:** The number of LSAs in the OSPF routing system has reached the configured limit, and the instance has been shut down. It will be re-enabled after the configured time, in the hopes that the LSA flood is over.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's max-lsa configuration.

**MAXLSALIMIT\_WARNING:** The max-lsa limit of %d has been reached for OSPF instance %d,

**Severity:** Error

**Explanation:** The number of LSAs in the OSPF routing system has reached the configured limit.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's max-lsa configuration.

**MAXLSARECOVER:** OSPF instance %d has been re-enabled after it was shut down due to reaching the max-lsa limit

**Severity:** Error

**Explanation:** The instance is being re-enabled after the max-lsa ignore time.

**Recommended Action:** No action is required. The system is once again operating normally.

**MAXLSASHUTDOWN:** The max-lsa limit of %d has been reached for OSPF instance %d %d times, shutting down until reconfigured

**Severity:** Error

**Explanation:** The number of LSAs in the OSPF routing system has reached the configured limit too many times. OSPF has been shut down until it is manually shut down and re-enabled.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's max-lsa configuration.

**MAXLSAWARNING:** Current LSA count %d is approaching configured limit %d in OSPF instance %d

**Severity:** Warning

**Explanation:** The number of LSAs in the OSPF routing system is approaching the configured limit. If it reaches the limit, the OSPF instance will shut down. Identify the system that is advertising excessive LSAs.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's max-lsa configuration.

**MINIMUM\_MTU:** OSPF is disabled on interface %a. The interface MTU size %d is less than the OSPF minimum MTU size %d.

**Severity:** Warning

**Explanation:** The configured interface MTU size is less than the OSPF minimum size. OSPF cannot run on an interface with an MTU size below 256

**Recommended Action:** Increase the MTU size to be the OSPF minimum or greater.

**NETWORK\_LSA\_FLUSH\_REMOTE:** Flushing network LSA for local OSPF's IP address %A advertised by OSPF router %A

**Severity:** Warning

**Explanation:** Another OSPF router on the network is advertising a network LSA for an IP address on an interface on this switch. This can happen due to a router ID change, or a duplicate IP address in the network.

**Recommended Action:** If this message persists, check OSPF routers on the network for a duplicate IP address

**NETWORK\_LSA\_REORIG:** Re-originating network LSA for local's IP address %A

**Severity:** Warning

**Explanation:** Another OSPF router on the network has either flushed the network LSA or originated a network LSA for a local OSPF interface. This can happen due to a router ID change, or a duplicate IP address in the network.

**Recommended Action:** If this message persists, check OSPF routers on the network for a duplicate IP address

**RESTART\_HELPER\_ENTER:** NGB %A entering graceful restart helper mode on %s, %A.

**Severity:** Warning

**Explanation:** OSPF is entering helper mode for the specified neighbor, on the reported interface and local IP address.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF.

**RESTART\_HELPER\_EXIT:** NGB %A exiting graceful helper mode on %s, %A: %s

**Severity:** Warning

**Explanation:** OSPF has completed helping a neighbor gracefully restart on the reported interface and local IP address, with the given reason.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF.

**RESTART\_HELPER\_SPKR\_BACK:** NGB %A restarting speaker %A is back on %s, %A: %s

**Severity:** Warning

**Explanation:** OSPF neighbor that is gracefully restarting is re-discovered on the reported interface and local IP address when, for example, a Hello packet is received.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF.

**RESTART\_SPKR\_ENTER:** entering unplanned graceful restart for ospf instance %d, grace period %d, reason %s

**Severity:** Warning

**Explanation:** OSPF instance is gracefully restarting for the reported grace-period and reason.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF.

**RESTART\_SPKR\_EXIT:** exiting graceful restart for ospf instance %d, reason %s

**Severity:** Warning

**Explanation:** OSPF instance is exiting graceful restart with the given reason.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF.

**STATE\_CHANGE:** NGB %a change from <%s> to <%s>

**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.

## 2.102 OSPF3 Messages

**ADJACENCY\_ESTABLISHED:** %s Neighbor %a, interface %a adjacency established.

**Severity:** Warning

**Explanation:** The switch has finished the OSPFv3 handshaking process with a neighboring switch and now sees it as adjacent

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

**ADJACENCY\_TEARDOWN:** %s Neighbor %a, interface %a adjacency dropped.

**Severity:** Warning

**Explanation:** The switch has removed a neighbor's adjacent status. There are many possible causes, including invalid data received from a neighbor, a change in which neighbors are eligible for adjacency, or OSPFv3 being explicitly disabled on the switch or its neighbors.

**Recommended Action:** Depending on the reason and other network conditions, this may or may not require action

**ADJACENCY\_TYPE\_MISMATCH:** There is an adjacency type mismatch between interface %s (type %s) and neighbor router %a (type %s), the adjacency will not be used for routing

**Severity:** Warning

**Explanation:** Please be aware that adjacencies formed between Point-to-Point and Broadcast neighbors does not provide full OSPF functionality.

**Recommended Action:** Identify the two ends of the adjacency and if possible, configure the routers to be in the same OSPF interface network type.

**CONVERGED:** OSPF3 in VRF %s has converged for AF %s and its routes are in FIB

**Severity:** Notice

**Explanation:** OSPF3 has converged after listening to updates from peers if any and is now ready to advertise best path routes to peers

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

**LSA\_LIMIT:** The maximum LSA limit of %d has been reached for OSPFv3 instance %d for address family %s. The instance is disabled for %d minutes (%d of %d)

**Severity:** Error

**Explanation:** The number of LSAs in the OSPFv3 routing system has reached the configured limit, and the instance has been disabled. It will be re-enabled after the configured time.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's maximum LSA configuration.

**LSA\_LIMIT\_DISABLED:** The maximum LSA limit of %d has been reached for OSPFv3 instance %d for address family %s %d times. The instance is disabled until reconfigured

**Severity:** Error

**Explanation:** The number of LSAs in the OSPFv3 routing system has reached the configured limit too many times. OSPFv3 has been disabled until it is manually shut down and re-enabled.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's maximum LSA configuration.

**LSA\_LIMIT\_MAX\_WARNING:** The maximum LSA limit of %d has been reached for OSPFv3 instance %d for address family %s.

**Severity:** Error

**Explanation:** The number of LSAs in the OSPFv3 routing system has reached the configured limit.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's maximum LSA configuration.

**LSA\_LIMIT\_RECOVER:** OSPFv3 instance %d for address family %s has been re-enabled after it was disabled due to reaching the maximum LSA limit

**Severity:** Error

**Explanation:** The instance is being re-enabled after the disabled time.

**Recommended Action:** No action is required. The system is once again operating normally.

**LSA\_LIMIT\_WARNING:** Current LSA count %d is approaching the configured limit %d in OSPFv3 instance %d for address family %s.

**Severity:** Warning

**Explanation:** The number of LSAs in the OSPFv3 routing system is approaching the configured limit. If it reaches the limit, the OSPFv3 instance will be disabled. Identify the system that is advertising excessive LSAs.

**Recommended Action:** Identify the system that is advertising excessive LSAs or raise this system's maximum LSA configuration.

**RESTART\_HELPER\_ENTER:** AF %s: Entering graceful restart helper mode for neighbor %A on %s

**Severity:** Warning

**Explanation:** OSPF3 AF (address family) is entering helper mode for the specified neighbor.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF3.

**RESTART\_HELPER\_EXIT:** AF %s: Exiting helper mode for restarting neighbor %A, state %s: reason %s

**Severity:** Warning

**Explanation:** OSPF3 AF (address family) has completed helping a neighbor gracefully restart with the given reason. The neighbor is currently in the given state.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF3.

**RESTART\_HELPER\_SPKR\_BACK:** AF %s: Restarting speaker %A is back, %s

**Severity:** Warning

**Explanation:** OSPF3 AF (address family) neighbor that is gracefully restarting is re-discovered when, for example, a Hello packet is received.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF3.

**RESTART\_SPKR\_ENTER:** AF %s: Entering unplanned graceful restart, grace period %d, reason %s

**Severity:** Warning

**Explanation:** OSPF3 is gracefully restarting the AF (address family) for the reported grace-period and reason.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF3.

**RESTART\_SPKR\_EXIT:** AF %s: Exiting graceful restart for %d, reason %s

**Severity:** Warning

**Explanation:** OSPF3 is exiting graceful restart for the AF (address family) with the given reason.

**Recommended Action:** No action is required. This information can be useful for troubleshooting OSPF3.

**STATE\_CHANGE:** %s Neighbor %a, interface %s state change: %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.

## 2.103 PACKAGE Messages

**REPO\_CREATED:** Package repository %s has been created.

**Severity:** Info

**Explanation:** The package repository has been created.

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

**REPO\_DELETED:** Package repository %s has been deleted.

**Severity:** Info

**Explanation:** The package repository has been deleted.

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

## 2.104 PBR Messages

**HW\_RESOURCE\_FULL:** Failed programming %d %s rule(s) for the PBR policy '%s' on %s: Rules exceed hardware capacity.

**Severity:** Error

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

**Recommended Action:** Reduce number of PBR rules or reconfigure other features to free up hardware resources for PBR

**HW\_RESOURCE\_NORMAL:** Successfully programmed %d %s rule(s) for the PBR policy '%s' on %s: Rules are within hardware capacity limits.

**Severity:** Error

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

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

**POLICY\_DROP\_ACTION\_UNSUPPORTED:** PBR policy (%s) requires programming an unsupported drop action on %s

**Severity:** Error

**Explanation:** The named PBR policy programmed no action in place of the drop action.

**Recommended Action:** Please remove the drop action in the PBR policy and "ip policy unresolved-nextthop action drop" from the configuration.

## 2.105 PCAP Messages

**HANDLING\_FAILURE:** The pcap file could not be handled because %s

**Severity:** Error

**Explanation:** The pcap file could not be handled because pcap\_open\_dead or pcap\_compile failed

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

## 2.106 PFC Messages

**BUFFERS\_DRAIN\_TIMEOUT:** Unable to drain traffic from interface %s while applying PFC configuration.

**Severity:** Info

**Explanation:** Traffic originating from this interface is not completely draining out due to traffic patterns.

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

**DROP\_ALL:** %s queue %s of interface %s is forced to be in stuck condition and all packets will be dropped

**Severity:** Error

**Explanation:** The queue identified in the log message has been unconditionally marked as stuck following pertinent configuration applied on the interface and all traffic destined to it will be dropped

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

**FORCE\_RECOVERY\_TIME\_ELAPSED:** The priority flow control pause recovery-time (%s) for %s queue %s of interface %s elapsed after %f seconds. %s. This queue has recovered %u time(s) since last clear

**Severity:** Info

**Explanation:** The queue identified in the log message has been stuck for longer than the recovery-time configured for the interface

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

**PRIORITY\_UNSUPPORTED:** Priority Flow Control priority %s on interface %s is not supported on this platform when Ethernet flow control encryption is enabled.

**Severity:** Info

**Explanation:** To support the priority remove the interface Ethernet flow control encryption configuration.

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

**PRIORITY\_UNSUPPORTED\_CLEARED:** Unsupported Priority Flow Control priority %s on interface %s is no longer configured.

**Severity:** Info

**Explanation:** The unsupported priority has been removed from the configuration.

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

**RECOVERY\_TIME\_ELAPSED:** The priority flow control pause recovery-time (%s) for %s queue %s of interface %s elapsed after %f seconds. %s. This queue has recovered %u time(s) since last clear

**Severity:** Info

**Explanation:** The queue identified in the log message has recovered from congestion for longer than the recovery-time configured for the interface

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

**TIMEOUT\_EXPIRED:** The priority flow control pause timeout for %s queue %s of interface %s expired after %f seconds. %s. This queue has been stuck %u time(s) since last clear

**Severity:** Error

**Explanation:** The queue identified in the log message was continuously paused for longer than the watchdog timeout configured for the interface

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

**UNCONFIGURED\_PRIORITY:** Priority %s on interface %s received %u priority flow control pause frames

**Severity:** Info

**Explanation:** The priority identified in log message is not configured

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

**UNSUPPORTED\_DROP\_ACTION:** The PFC watchdog drop action configured on %s is unsupported

**Severity:** Error

**Explanation:** The PFC watchdog action is configured to drop, most likely via the startup config. This action is not supported in this version of EOS on this switch.

**Recommended Action:** Reconfigure the PFC watchdog action for the specified interface to 'errdisable' and save the running config to the startup config.

---

**WATCHDOG\_ACTION\_PROGRAMMING\_FAILED:** PFC Watchdog action could not be programmed for %s queue %s of interface %s due to hardware resource exhaustion.

**Severity:** Error

**Explanation:** Exceeded hardware resource limits

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

**WATCHDOG\_CFG\_CORR\_TIMEOUT:** Applying user configured polling-interval %g second(s) as it is now less than or equal to half of timeout %g second(s)%s

**Severity:** Info

**Explanation:** Use configured values when there are no conflicts

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

**WATCHDOG\_CFG\_CORR\_TIMEOUT\_RECOVERY\_TIME:** Applying user configured polling-interval %g second(s) as it is now less than or equal to half of both timeout %g second(s) and recovery-time %g second(s)%s

**Severity:** Info

**Explanation:** Use configured values when there are no conflicts

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

**WATCHDOG\_CFG\_WARNING:** Polling-interval %g second(s) is greater than half of %s %g second(s). Setting polling-interval to %g second(s)%s

**Severity:** Warning

**Explanation:** Notify the user that configuration for PFC Watchdog is faulty and fall back to a config which guarantees watchdog performance

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

**WATCHDOG\_NOT\_SUPPORTED\_ON\_PORT:** PFC Watchdog is not supported on interface %s

**Severity:** Error

**Explanation:** The interface identified in the log message cannot be configured to support PFC watchdog

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

**WATCHDOG\_QUEUE\_DROP\_PROGRAMMING\_FAILED:** PFC Watchdog queue drop could not be programmed for %s queue %s of interface %s due to hardware resource exhaustion. Reverting to drain behavior for the queue

**Severity:** Error

**Explanation:** Exceeded hardware resource limits

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

## 2.107 PHY Messages

**MDI\_PAIR\_LAYOUT\_SPEED\_CONFIG\_INCOMPATIBLE:** MDI/MDI-X pair layout configuration is unsupported when auto-negotiation is disabled, auto MDI-X configuration will be used on interface %s instead.

**Severity:** Warning

**Explanation:** MDI/MDI-X pair layout and speed configurations are incompatible with each other.

**Recommended Action:** To fix this problem, please leave only the preferred configuration of either MDI/MDI-X pair layout or speed on the interface.

**RX\_PREDISTORTION\_CONFIG\_UNSUPPORTED:** Receiver pre-distortion filter configuration %s is unsupported on interface %s, default receiver pre-distortion filter configuration will be used instead.

**Severity:** Warning

**Explanation:** Receiver pre-distortion filter configuration is unsupported.

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

**TX\_GAIN\_CONFIG\_UNSUPPORTED:** Transmitter gain configuration of %s percent is unsupported on interface %s, default transmitter gain configuration will be used instead.

**Severity:** Warning

**Explanation:** Transmitter gain configuration is unsupported.

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

**TX\_GAIN\_RX\_PREDISTORTION\_CONFIG\_INCOMPATIBLE:** Transmitter gain configuration of %s percent is incompatible with the receiver pre-distortion filter configuration %s on interface %s, default transmitter gain configuration will be used instead.

**Severity:** Warning

**Explanation:** Transmitter gain and receiver pre-distortion filter configurations are incompatible with each other.

**Recommended Action:** To fix this problem, please leave only the preferred configuration of either transmitter gain or receiver pre-distortion filter on the interface.

## 2.108 PIM Messages

**BFD\_STATE\_CHANGE:** neighbor %s %s to %s on interface %s

**Severity:** Notice

**Explanation:** The BFD state changed on the PIM neighbor.

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

**MAKE\_BEFORE\_BREAK\_NOT\_SUPPORTED:** make-before-break for IIF Switching not supported on the underlay VRF, expect multicast traffic duplication.

**Severity:** Warning

**Explanation:** The switch does not support make-before-break option for VxLAN underlay IIF switch because of unavailable hardware resources. This could result in persistent overlay multicast traffic duplication.

**Recommended Action:** Please disable the make-before-break option for IIF switching using the following command : "make-before-break disabled" under "router-pim-sparse-ipv4". VxLAN underlay multicast traffic may be lost during an IIF switch.

**MESSAGE\_AF\_MISMATCH:** Attempted to send %s %s message with %s address in the message

**Severity:** Warning

**Explanation:** A PIM message encountered multiple address families while sending.

**Recommended Action:** Collect show-tech and contact support.

**MESSAGE\_INVALID\_DESTINATION:** Invalid PIM destination %s for PIM type %d received from source %s.

**Severity:** Error

**Explanation:** The IP destination sent by the peer PIM router is not correct.

**Recommended Action:** Capture the packet using tcpdump and contact support.

**MESSAGE\_INVALID\_ENCODED\_GROUP:** Attempted to send %s message with a non-multicast encoded group %s

**Severity:** Warning

**Explanation:** A PIM message contains an S,G where the encoded group is not multicast.

**Recommended Action:** Collect show-tech and contact support.

**MESSAGE\_INVALID\_ENCODED\_SOURCE:** Attempted to send %s message with a non-unicast encoded source %s

**Severity:** Warning

**Explanation:** A PIM message contains an S,G where the encoded source is not unicast.

**Recommended Action:** Collect show-tech and contact support.

**MESSAGE\_INVALID\_TYPE:** Invalid PIM type %d received from source %s.

**Severity:** Error

**Explanation:** The PIM type is not recognized.

**Recommended Action:** Capture the packet using tcpdump and contact support.

**MESSAGE\_INVALID\_VERSION:** Invalid PIM version %d received from source %s.

**Severity:** Error

**Explanation:** The version sent by the peer PIM router is not supported.

**Recommended Action:** Capture the packet using tcpdump and contact support.

**MESSAGE\_UNPROCESSQ\_FULL:** PIM unprocessed message queue is full for neighbor %s, message type 0x%x on VRF %s.

**Severity:** Notice

**Explanation:** Delayed protocol convergence is expected.

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

**MODE\_MISMATCH:** Neighbor %s is running %s, while interface %s is running %s.

**Severity:** Error

**Explanation:** The PIM neighbor state cannot be formed due to mismatch in mode.

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

**NBRCHG:** neighbor %s %s on interface %s

**Severity:** Notice

**Explanation:** The PIM neighbor state changed on the interface.

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

**NEIGHBOR\_SECONDARY\_ADDRESS\_CONFLICT:** Neighbor %s advertised secondary address %s on interface %s, which was previously advertised by neighbor %s

**Severity:** Notice

**Explanation:** There is a conflict and the same secondary address was previously advertised by another neighbor. The most recently received mapping is maintained.

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

**PORT\_ASSOCIATION\_FAIL:** Failed to send PIM Join-Prune message to %s:8471 in VRF %s.

**Severity:** Error

**Explanation:** Unable to setup SCTP association with router

**Recommended Action:** Verify unicast reachability to destination

**SCTP\_BUFFER\_OVERFLOW:** TX buffer overflow in VRF %s

**Severity:** Error

**Explanation:** SCTP TX buffer has overflowed and PIM messages are lost.

**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.

**UNSUPPORTED\_MAX\_UNRESOLVED\_PACKET\_BUFFER\_LIMIT:** Unresolved packet-buffer limit %d not supported. Setting it to default value 3

**Severity:** Notice

**Explanation:** Multicast software-forwarding mode kernel does not allow to set max unresolved packet buffer limit to lower than 3

**Recommended Action:** Increase the unresolved packet-buffer limit to or above 3 or use software-forwarding mode sfe

## 2.109 PIMBSR Messages

**CRPADV\_ZONE\_SET:** Received Candidate-RP Advertisements from C-RP %s with Zone bit set

**Severity:** Info

**Explanation:** This is an unusual condition for which RFC 5059 mentions BSR mechanism to log such activities. This log is only for informational purpose and is produced when a multicast boundary router is configured as a Candidate RP. This does not pose any operational issue.

**Recommended Action:** In order to not see this message remove Candidate-RP configuration from the multicast boundary router.

**IPV6\_PREFIX\_TOO\_SHORT:** Received a PIM Bootstrap Router Message with the Admin Scope Zone

**Severity:** Warning

**Explanation:** bit set and the IPv6 prefix %s with a prefix length < 16.

**Recommended Action:** This BSM must be dropped according to RFC 5059.

**MESSAGE\_CRP\_ZONE:** C-RP advertisement received from %s with Zone bit set.

**Severity:** Notice

**Explanation:** Indicated C-RP is a ZBR. This message is logged in compliance to RFC 5059.

**Recommended Action:** If C-RP is not a ZBR contact support. This message is safe to ignore otherwise.

## 2.110 PM853X Messages

**PORT\_BIND\_FAILURE:** Failed to configure downstream PCIe port %s (slotName %s, state %s, targetState %s).

**Severity:** Error

**Explanation:** Card slot inoperable.

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

**PORT\_BOUND\_UNEXPECTEDLY:** Misconfigured downstream PCIe port.

**Severity:** Error

**Explanation:** Firmware configuration may be out-of-date.

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

## 2.111 POE Messages

**FIRMWARE\_VERSION:** PoE %s firmware version is %s, EOS firmware version is %s

**Severity:** Info

**Explanation:** A difference in firmware version between PoE hardware and EOS has been detected.

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

**PAIRSET\_LEGACY\_DETECT\_INCOMPATIBLE:** %s has incompatible configurations 'poe legacy detect' and 'poe pairset 4-pair'. The pairset configuration is overridden.

**Severity:** Warning

**Explanation:** Legacy detection is incompatible with 4-pair power.

**Recommended Action:** Either disable legacy detection or configure only one pairset.

**PD\_DETECTED:** %s has detected a %s powered device

**Severity:** Info

**Explanation:** A powered device is plugged into this interface, and has been successfully detected and classified.

**Recommended Action:** No action required.

**PD\_FAILED:** %s has failed and has stopped providing power to the powered device

**Severity:** Warning

**Explanation:** The port has failed to power the powered device.

**Recommended Action:** Check the output of 'show poe' and other log messages for details of why this port failed.

**PD\_OVERLOADED:** %s has been overloaded and has stopped providing power to the powered device

**Severity:** Warning

**Explanation:** The powered device was trying to consume more power than its power limit.

**Recommended Action:** Check the output of 'show poe' and other log messages for details of why this port is overloaded. Please check the 'Granted Power' field from 'show poe' output for current power limit.

**PD\_POWERED:** %s is powering the connected powered device

**Severity:** Info

**Explanation:** The powered device is currently powered.

**Recommended Action:** No action required.

**PSE\_CRC\_FAILURE:** %s PSE chip firmware CRC check failed. The interfaces managed by this PSE chip will not properly provide PoE functionalities.

**Severity:** Error

**Explanation:** PSE chip firmware CRC check failed.

**Recommended Action:** Please power cycle the fixed system or the linecard.

**PSE\_FIRMWARE\_FAILURE:** %s has failed to download PSE chip firmware. Interfaces managed by the PSE chip will not properly provide PoE functionalities.

**Severity:** Error

**Explanation:** PSE chip failed to download firmware after three tries.

**Recommended Action:** Please power cycle the fixed system or the linecard. If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.112 POLICING Messages

**INTERFACE\_POLICER\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program %s policer for interface %s

**Severity:** Error

**Explanation:** The switch is unable to program interface policing configuration due to insufficient hardware resources. Reduce the number of policers applied on interfaces or reconfigure policers to use less policer profiles to free up resources.

**Recommended Action:** Remove and reapply the config on interfaces after modifications to enable the policing.

**INTERFACE\_POLICER\_NOT\_SUPPORTED:** The action %s applied on interface %s is not supported in the TCAM profile.

**Severity:** Info

**Explanation:** The action is not supported in the TCAM profile. Check that the feature 'interface-policing' is present in the TCAM feature set and the police actions are present in the action set of the feature.

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

## 2.113 POLICY Messages

**MAP\_HAS\_UNSUPPORTED\_DENY\_RULES:** PBR policy %s was not programmed in hardware since deny rules in the policy configuration are not supported for feature %s.

**Severity:** Error

**Explanation:** Deny rules aren't supported in the feature, so one or more policies aren't programmed in the hardware.

**Recommended Action:** Remove deny rules and apply the policy again.

**MAP\_TCP\_FLAGS\_MATCH\_IGNORED:** TCP flags match in ACL %s is not supported in %s ACL.

**Severity:** Info

**Explanation:** Rules in ACLs having TCP flags match will be applied without TCP flags match condition.

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

**MAP\_VLAN\_MATCH\_IGNORED:** VLAN match in ACL %s is not supported in %s ACL.

**Severity:** Info

**Explanation:** Rules in ACLs having VLAN match will be applied without VLAN match condition.

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

**MAP\_VXLAN\_MATCH\_IGNORED:** VXLAN match in ACL %s is not supported in %s ACL.

**Severity:** Info

**Explanation:** Rules in ACLs having VXLAN match will be applied without VXLAN match condition.

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

## 2.114 PORTSECURITY Messages

**PSECURE\_CACHE\_INVALID:** Invalid data format in port-security cache %s. Port-security cache could be partially loaded.

**Severity:** Error

**Explanation:** Port-security cache is corrupted. Check port-security cache content.

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

**PSECURE\_CACHE\_LOAD\_FAILED:** Failed to load port-security cache %s.

**Severity:** Warning

**Explanation:** Port-security cache could not be loaded. Check whether port-security cache exists and has proper permissions.

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

**PSECURE\_CACHE\_VERSION\_UNSUPPORTED:** Port-security cache %s version %s is not supported. Port-security cache not loaded.

**Severity:** Error

**Explanation:** Unable to load port-security cache. Port-security cache version is not supported

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

**PSECURE\_MAXIMUM\_UNSUPPORTED:** Port-security on this platform doesn't support maximum %d. The limit of the maximum is %d. Port-security maximum not set.

**Severity:** Error

**Explanation:**

**Recommended Action:** Try to configure maximum allowed address again.

**PSECURE\_PROTECT\_ACTIVE:** Port security limit of %d addresses has been reached on %s in protect mode.

**Severity:** Info

**Explanation:** Traffic from any new MAC address on this port will be dropped.

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

**PSECURE\_PROTECT\_FAILED:** Application of port security protection policy failed on interface %s.

**Severity:** Error

**Explanation:** Typically, this is due to insufficient hardware resources.

**Recommended Action:** Try disabling and re-enabling port security.

**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.

## 2.115 PREFIX Messages

**MROUTE\_HW\_RESOURCE\_FULL:** Hardware resources in TCAM are insufficient to program all multicast prefix routes.

**Severity:** Error

**Explanation:** To solve this issue, reconfigure the network to reduce the size of the multicast prefix routes. When the prefix routes reduces, the switch automatically programs any unprogrammed multicast prefix routes in hardware.

**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.

**MROUTE\_HW\_RESOURCE\_NORMAL:** All multicast prefix routes are programmed in TCAM.

**Severity:** Error

**Explanation:** The switch was able to program all the multicast prefix routes in TCAM and normal hardware routing has resumed.

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

## 2.116 PREFIXLIST Messages

**IMPORT\_FAILED:** Failed to import %s prefix-list %s from source %s. Possible reason: %s. Please check source validity.

**Severity:** Error

**Explanation:** A prefix-list is set up with an import source URL to load its set of prefix entries. The source is either a local file or a remote URL and must be available at the time of import. The entries in the file must conform to prefix-list entry syntax.

**Recommended Action:** Check the URL and content of the file

**IMPORT\_SUCCEEDED:** Imported %s prefix-list %s from source %s.

**Severity:** Info

**Explanation:** A prefix-list is set up with an import source URL to load its set of prefix entries. The source is either a local file or a remote URL and must be available at the time of import. The entries in the file must conform to prefix-list entry syntax.

**Recommended Action:** No action required

## 2.117 PROCESS Messages

**START\_FAILED\_NO\_SPACE:** Launcher failed to create the ProcMgr configuration file '%s' for process '%s' in role '%s' because the filesystem is out of space.

**Severity:** Error

**Explanation:** Please clean up space in your disk partitions.

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

## 2.118 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.

**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.

**PREDECESSOR\_GONE:** New instance of %s (PID=%d): predecessor (PID=%d) has been reaped.

**Severity:** Debug

**Explanation:** After being spawned due to a configuration change, new Agent is continuing as predecessor's exit status has been reaped. This message is informational only.

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

**PREDECESSOR\_NOT\_EXITING:** New instance of %s (PID=%d) is stalled waiting until predecessor (PID=%d) exits

**Severity:** Warning

**Explanation:** The new Agent is still waiting for the old Agent. System operation may be affected if this continues as new Agent cannot start.

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

**PREDECESSOR\_WAITING:** New instance of %s (PID=%d): waiting for reaping of predecessor (PID=%d)

**Severity:** Debug

**Explanation:** After being spawned due to a configuration change, new instance of Agent is waiting for predecessor's exit status to be reaped. 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. This message is informational only

**Recommended Action:** No action is required – this message is for information 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 (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\_DELAY\_STARTED:** '%s' starting with PID=%d (PPID=%d) after a delay of %1.2f seconds

**Severity:** Info

**Explanation:** The specified process is restarted with a delay after 'reset system memory exhaustion' to avoid congestion.

**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\_NOT\_RESTARTING:** 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\_NOT\_RESTARTING\_LOWMEM:** Not restarting '%s' (PID=%d) because of the memory exhaustion

**Severity:** Info

**Explanation:** The specified process has stopped, and ProcMgr will not restart it because such process is non-essential and the system is in memory exhaustion state.

**Recommended Action:** This message is expected when the system is in memory exhaustion state. Please try to disable features or find out if there is any memory leak and fix them. After that, run 'reset system memory exhaustion'.

**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, status=%s) 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. Process kernel stack is (%s). Syscall is (%s).

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

**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.

## 2.119 PTP Messages

**ENTER\_HOLDOVER\_MODE:** PTP clock has entered holdover mode after losing the master.

**Severity:** Info

**Explanation:** The clock has entered holdover mode.

**Recommended Action:** No action required.

**EXIT\_HOLDOVER\_MODE:** PTP clock has exited holdover mode after %s.

**Severity:** Info

**Explanation:** The clock has exited holdover mode.

**Recommended Action:** No action required.

**GRANDMASTER\_CHANGE:** Old Grandmaster %s New Grandmaster %s

**Severity:** Info

**Explanation:** A change in the grandmaster clock in the PTP domain.

**Recommended Action:** No action required.

**GRANDMASTER\_CLASS\_CHANGE:** Old grandmaster class %x new grandmaster class %x

**Severity:** Info

**Explanation:** The class of the grandmaster clock for the PTP domain changed.

**Recommended Action:** No action required.

**HIGH\_MEAN\_PATH\_DELAY:** Mean path delay over threshold detected: %l

**Severity:** Info

**Explanation:** High mean path delay value has been detected

**Recommended Action:** If persists, check if the grandmaster clock is stable

**HIGH\_OFFSET\_FROM\_MASTER:** Offset from master over threshold detected: %l

**Severity:** Info

**Explanation:** High offset from master value has been detected

**Recommended Action:** If persists, check if the grandmaster clock is stable

**HIGH\_SKEW:** Skew over threshold detected: %s

**Severity:** Info

**Explanation:** High skew value has been detected

**Recommended Action:** If persists, check if the grandmaster clock is stable

**LEAP\_59\_APPLIED:** Subtracted a leap second from PTP time at %s ns UTC.

**Severity:** Info

**Explanation:** A leap second was subtracted from PTP time.

**Recommended Action:** No action required.

**LEAP\_59\_RECEIVED:** Leap 59 notification received from PTP grandmaster %s

**Severity:** Info

**Explanation:** Received a notification to subtract a leap second from PTP time tonight at 11:59:58 UTC.

**Recommended Action:** No action required.

**LEAP\_61\_APPLIED:** Added a leap second to PTP time at %s ns UTC.

**Severity:** Info

**Explanation:** A leap second was added to PTP time.

**Recommended Action:** No action required.

**LEAP\_61\_RECEIVED:** Leap 61 notification received from PTP grandmaster %s

**Severity:** Info

**Explanation:** Received a notification to add a leap second from PTP time tonight at 11:59:59 UTC.

**Recommended Action:** No action required.

**MESSAGE\_MISSING:** Latest PTP %s packet received on interface %s has sequence ID %d, last received sequence ID was %d

**Severity:** Info

**Explanation:** Missed sequence ID.

**Recommended Action:** Action required?

**MESSAGE\_MISSING\_VLAN:** Latest PTP %s packet received on interface %s, on VLAN %u has sequence ID %d, last received sequence ID was %d

**Severity:** Info

**Explanation:** Missed sequence ID.

**Recommended Action:** Action required?

**MISSING\_MESSAGE\_TIMER:** No PTP %s packet on interface %s has been received in %d seconds.

**Severity:** Info

**Explanation:** If persists, check if the master clock is

**Recommended Action:** sending PTP messages consistently

**MISSING\_MESSAGE\_TIMER\_VLAN:** No PTP %s packet on interface %s, on VLAN %d has been received in %d seconds.

**Severity:** Info

**Explanation:** If persists, check if the master clock is

**Recommended Action:** sending PTP messages consistently

**MPASS\_PORT\_ROLE\_CHANGE:** MPASS port role is now %s on interface %s on VLAN %u

**Severity:** Info

**Explanation:** The MPASS port role has changed

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

**MPASS\_PORT\_STATUS\_CHANGE:** MPASS protocol is now %s on interface %s on VLAN %u%s

**Severity:** Info

**Explanation:** The MPASS protocol interface status has changed

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

**PARENT\_CHANGE:** Old Parent port identity: %s IP: %s MAC: %s, New Parent port identity: %s IP: %s MAC: %s

**Severity:** Info

**Explanation:** A change in the parent clock identity.

**Recommended Action:** No action required

**PARENT\_TWO\_STEP\_FLAG:** PTP Parent Two Step Flag is now %s

**Severity:** Info

**Explanation:** PTP Parent Two Step Flag has changed

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

**PEER\_DOWN:** Interface %s is no longer AS Capable

**Severity:** Warning

**Explanation:** A gPTP capable peer is no longer present on this link.

**Recommended Action:** No action required.

**PEER\_UP:** Interface %s is AS Capable.

**Severity:** Info

**Explanation:** A gPTP capable peer was detected on this link.

**Recommended Action:** No action required.

**PORT\_STATE\_CHANGE:** Old port state %s new port state %s on interface %s

**Severity:** Info

**Explanation:** The PTP port state of the specified interface changed.

**Recommended Action:** No action required.

**PORT\_VLAN\_STATE\_CHANGE:** Old port state %s new port state %s on interface %s on VLAN %u

**Severity:** Info

**Explanation:** The PTP port state of the specified interface and VLAN id changed.

**Recommended Action:** No action required.

**TIME\_DISCREPANCY:** Local vs master time difference detected: %s

**Severity:** Warning

**Explanation:** High local versus master time difference has been detected.

**Recommended Action:** Check if correct mean path delay is being used.

## 2.120 PW Messages

**LOCAL\_LOCAL\_PATCH\_ADDED:** Pseudowire patch %s has been added

**Severity:** Info

**Explanation:** The pseudowire patch has been added to the system.

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

**LOCAL\_REMOTE\_PATCH\_ADDED:** Pseudowire patch %s has been added with %s

**Severity:** Info

**Explanation:** The pseudowire patch has been added to the system.

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

**LOCAL\_REMOTE\_PATCH\_PEER\_ADDED:** Pseudowire patch %s neighbor(s) %s added

**Severity:** Info

**Explanation:** New remote neighbor(s) added for the pseudowire patch.

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

**LOCAL\_REMOTE\_PATCH\_PEER\_REMOVED:** Pseudowire patch %s neighbor(s) %s removed

**Severity:** Info

**Explanation:** Remote neighbor(s) removed from the pseudowire patch.

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

**PATCH\_REMOVED:** Pseudowire patch %s has been removed

**Severity:** Info

**Explanation:** The pseudowire patch has been removed from the system.

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

## 2.121 PWRMGMT Messages

**CARD\_OVER\_POWER\_LIMIT:** %s is consuming %dW of power, which exceeds %s (%dW)

**Severity:** Warning

**Explanation:** The card is drawing an abnormal amount of power, which could indicate an issue with the card.

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

**DUAL\_INPUT\_POWER\_REDUNDANCY\_LOSS:** %s has lost redundancy. Input %c has lost input power

**Severity:** Warning

**Explanation:** The power supply has lost redundancy.

**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.

**DUAL\_INPUT\_POWER\_REDUNDANCY\_OK:** %s has redundancy. Input %c has regained input power

**Severity:** Warning

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

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

**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.

**POWER\_THRESHOLD\_WARNING:** PoE power consumption of %d watts exceeds the warning threshold of %d watts. Only %d watts of power remain.

**Severity:** Warning

**Explanation:** PoE power consumption is approaching system capacity.

**Recommended Action:** Check the output of 'show system environment power budget' for details.

**PSU\_OVER\_CAPACITY:** Power request from %s has exceeded the available system power. See 'show system environment power budget' for details.

**Severity:** Warning

**Explanation:** More power has been requested than the current power configuration is able to support.

**Recommended Action:** Check for other log messages detailing why the power supply has exceeded the budget. While the power supply may be able to currently provide power to all devices, the system may become unstable if power consumption increases.

**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 system 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.

## 2.122 QoS Messages

**COPP\_HW\_RESOURCE\_FULL:** Insufficient %s resources to program the %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:** %s is programmed in %s.

**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.

**COS\_TO\_TC\_MAP\_HW\_FULL:** Hardware resources are insufficient to program COS to traffic class map %s

**Severity:** Error

**Explanation:** The switch is unable to program COS to traffic class map due to insufficient hardware resources. If the resource is freed up, remove and reapply the configuration using the map in order to have it take effect.

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

**DP\_THRESHOLDS\_HW\_FULL:** Hardware resources insufficient to program tx-queue DropThresholds on tc %s for port %s

**Severity:** Error

**Explanation:** The switch is unable to program tail drop threshold configuration due to insufficient hardware resources.

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

**DSCP\_TO\_TC\_MAP\_HW\_FULL:** Hardware resources are insufficient to program DSCP to traffic class map %s

**Severity:** Error

**Explanation:** The switch is unable to program DSCP to traffic class map due to insufficient hardware resources. If the resource is freed up, remove and reapply the configuration using the map in order to have it take effect.

**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\_COUNTER\_HW\_FULL:** Hardware resources insufficient for ECN queue counters for %s queue %d

**Severity:** Error

**Explanation:** The switch is unable to allocate ECN queue counters 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.

**ECN\_TCAM\_FULL:** TCAM resources are insufficient to program TCAM to avoid nonECT drops

**Severity:** Error

**Explanation:** The switch is unable to avoid ECN drops for non ECN capable traffic due to insufficient TCAM resources

**Recommended Action:** Reconfigure other features that use TCAMs to free up some resources

**EGRESS\_PMAP\_ACTION\_UNSUPPORTED:** %s action is not supported in output service policies on this platform

**Severity:** Warning

**Explanation:** this action will have no effect in output service policies on this platform

**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 other features that use TCAMs 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.

**LATENCY\_THRESHOLD\_QUEUE\_HW\_FULL:** Hardware resources insufficient to program tx-queue latency threshold on queue %s for port %s

**Severity:** Error

**Explanation:** The switch is unable to program latency threshold configuration due to insufficient hardware resources.

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

**MAC\_ACL\_RULE\_IPV6\_MISMATCH:** Policy-map %s is configured with both MAC ACL and IPV6 ACL rule. ACL rules will be ignored for class-map %s.

**Severity:** Warning

**Explanation:** Class map with MAC ACL and Class map with IPV6 ACL can not exist in the same policy-map on this platform. Remove the MAC ACL associated class-map from policy-map

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

**PMAP\_FIELD\_NOT\_SUPPORTED:** Access list matching %s %s associated with QoS service policy class map %s cannot be fully programmed in the hardware

**Severity:** Error

**Explanation:** Matching %s within QoS service policies is not supported. The %s are ignored in programming the service policy in the hardware. This may result in improper classification of packets on interfaces using the QoS service policy.

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

**POLICY\_COUNTER\_HW\_RESOURCE\_FULL:** Insufficient hardware resources to program the counter for the class-map %s in the policy-map %s on %s %s.

**Severity:** Error

**Explanation:** The switch is unable to program the QoS policy-map counter due to insufficient hardware resources.

**Recommended Action:** Reduce number of ACL rules in policy-map classes

**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. If there is a policer in one of the classes, detaching policy-map from one of the interfaces also frees up resources

**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.

**POLICY\_POLICER\_RESOURCE\_FULL:** Insufficient hardware resources to program the police action for the class-map %s in the policy-map %s on %s %s.

**Severity:** Error

**Explanation:** Remove some features using policer banks and reapply the policy-map to the interface to enable police action.

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

**POLICY\_UNSHARED\_POLICER\_RESOURCE\_FULL:** Insufficient hardware resources to program the police action for the policy-map %s on interface %s.

**Severity:** Error

**Explanation:** Remove policy-maps on the programmed interfaces and reapply the policy-map on the interface to take effect.

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

**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 shape rate units or bandwidth guaranteed units

**TC\_TO\_COS\_PROFILE\_HW\_FULL:** Hardware resources are insufficient to program traffic class to COS map %s.

**Severity:** Error

**Explanation:** The switch is unable to program traffic class to COS map due to insufficient hardware resources. If resource is freed up it is required to remove and reapply this configuration to take effect.

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

**TC\_TO\_COS\_UNSUPPORTED\_INTF:** Traffic class to COS map %s cannot be applied on %s

**Severity:** Error

**Explanation:** Traffic class to COS named map is only supported on L2 sub-interface.

**Recommended Action:** Please remove the traffic class to COS map from the interface.

**TX\_QUEUE\_CONFIG\_UNSUPPORTED:** Unsupported tx-queue configuration on interface %s queue %d

**Severity:** Warning

**Explanation:** Use CLI to reconfigure tx-queue

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

**TX\_SCHEDULER\_PKT\_SIZE\_ADJUSTMENT\_HW\_FULL:** Hardware resources are insufficient to program scheduler compensation %d on interface %s.

**Severity:** Error

**Explanation:** The switch is unable to program scheduler compensation due to insufficient hardware resources. If the resource is freed up the pending configuration will be programmed automatically.

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

**VLAN\_ACL\_RULE\_SVI\_MISMATCH:** ACL %s with VLAN rule associated to class-map %s. ACL rules with VLAN filter will be ignored for VLAN interfaces.

**Severity:** Warning

**Explanation:** Either remove VLAN rule from ACL or remove service-policy configuration from the VLAN interface.

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

**WRED\_QUEUE\_HW\_FULL:** Hardware resources insufficient to program tx-queue WRED on queue %s for port %s

**Severity:** Error

**Explanation:** The switch is unable to program WRED configuration due to insufficient hardware resources.

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

## 2.123 QUARTZY Messages

**INIT\_FAILED:** Possible hardware error with the Quartzzy chip.

**Severity:** Error

**Explanation:** Initialization of the Quartzzy chip has failed.

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

## 2.124 QUEUEMONITOR Messages

**AGENT\_RESTART:** Queue monitor on %s has experienced an irrecoverable error, restarting queue monitoring agent to recover.

**Severity:** Warning

**Explanation:** Queue monitoring agent will restart immediately. Possible loss of congestion records may occur during the restart.

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

**COPROCESSOR\_ERROR:** Queue monitor on %s has experienced an error, some congestion events may be lost

**Severity:** Warning

**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.

**HW\_RESOURCE\_FULL:** %s

**Severity:** Error

**Explanation:** The ASIC is unable to program all LANZ configuration due to insufficient hardware resources.

**Recommended Action:** Reconfigure LANZ to reduce the amount of resources needed.

**LENGTH\_OVER\_THRESHOLD:** %s

**Severity:** Info

**Explanation:** Interface queue length is over threshold.

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

**LENGTH\_UNDER\_THRESHOLD:** Interface %s max queue length was %d, now back under low threshold of %d

**Severity:** Info

**Explanation:** Interface queue length is back under low threshold.

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

**LENGTH\_UPDATE:** %s

**Severity:** Info

**Explanation:** Interface queue length and queue drop update message.

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

**THRESHOLDS\_INACTIVE:** Interface thresholds inactive, threshold(s) of %s exceed the maximum VOQ tail drop threshold of %d for interface %d.

**Severity:** Warning

**Explanation:** Interface threshold(s) are inactive because the configured threshold(s) exceed the maximum VOQ tail drop threshold.

**Recommended Action:** Reconfigure the interface threshold(s) to be lower than the corresponding maximum VOQ tail drop threshold. To see the VOQ tail drop threshold for each interface, run the "show platform sand voq tail-drop" command.

**UNEXPSEQNUM:** Congestion message with un-expected sequence number is received%

**Severity:** Warning

**Explanation:** Reinitializing LANZ processor state

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

**VRF\_NOT\_EXIST:** LANZ streaming VRF %s has been deleted

**Severity:** Warning

**Explanation:** Configure the required VRF for the streaming to happen

**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.

## 2.125 RADIUS Messages

**DYN\_AUTH\_REQUEST\_AUTHENTICATION\_FAILED:** Dynamic Authorization request received from Server '*%s*'

**Severity:** Error

**Explanation:** Failed *%s* Validation.

**Recommended Action:** Check the shared secret configured.

**UNEXPECTED\_FRAMED\_IP\_ADDRESS:** Supplicant with MAC *%s* on port *%s* uses IP address *%s*, different from server-specified address *%s*

**Severity:** Info

**Explanation:** A supplicant is using a different IP address from the one sent by the RADIUS server

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

## 2.126 RCF Messages

**COMPILATION\_ERROR:** The RCF code in the running-config failed to compile.

**Severity:** Error

**Explanation:** The RCF code in the running-config failed to compile. When this occurs, RCF functions may not be applied on the affected router. For more details, run 'show router rcf errors'.

**Recommended Action:** Revert to a previously working version of RCF code

**UNEXPECTED\_COMPILATION\_ERROR:** An unexpected processing error occurred while compiling the RCF configuration.

**Severity:** Error

**Explanation:** An unexpected processing error occurred while compiling the RCF configuration. When this occurs, no RCF functions will be applied on the affected router.

**Recommended Action:** Revert to a previously working version of RCF config, and report this error to Arista's customer support team.

## 2.127 RECOVERY Messages

**POLICY\_ERROR:** Recovery policy condition indicating error reached

**Severity:** Error

**Explanation:** The system will be rebooted in an attempt to recover from this error.

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

**POLICY\_REPEAT\_ERROR:** Recovery policy condition indicating error reached a second time after reboot

**Severity:** Error

**Explanation:** Rebooting did not resolve the error, no further attempt will be made.

**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.

## 2.128 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\_DISABLED\_UNTIL\_SYSTEM\_UPGRADE:** Supervisor %s has been disabled until a system upgrade is performed on %s.

**Severity:** Critical

**Explanation:** The other supervisor has been disabled until its software is upgraded. It may become active if the active supervisor fails or is power cycled.

**Recommended Action:** Upgrade the software on the affected supervisor

**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\_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.

**TIME\_SYNC:** Monotonic Time Synchronization failed

**Severity:** Notice

**Explanation:** Monotonic Time synchronization failed. This could be either due to the standby supervisor not being able to communicate with the active supervisor or due to the standby supervisor's monotonic time being ahead in time by more than a second. The sync operation will continue to be retried.

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

## 2.129 RIB Messages

**FORCED\_DROP\_ROUTE:** Route %s from protocol %s in VRF %s was forced as drop after %i seconds of trying.  
Reason: %s.

**Severity:** Notice

**Explanation:** This route was forced in FIB as a drop route after being retried. This route is in an invalid state.

**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.

**IGP\_CONVERGED:** IGP protocols in VRF %s have converged and their routes are in FIB

**Severity:** Notice

**Explanation:** IGP protocols( say OSPF ) have converged and routes are now available in FIB. Besides IGP protocols, Rib agent is also done with initial processing of all connected and static routes

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

**MAX\_PATHS\_EXCEEDED:** Route %s has too many paths, using only %d

**Severity:** Error

**Explanation:** The RIB agent has attempted to allocate an ECMP route with more paths than 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.

**ROUTE\_READY:** Routes in VRF %s are ready and available in FIB

**Severity:** Notice

**Explanation:** With routes now being ready in FIB, forwarding agent will start syncing them down to hardware without fear of purging any routes had router undergone graceful restart( say Rib restart/hitless system upgrade )

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

**ROUTE\_READY\_TIMEOUT:** Route types in VRF %s that are not converged: %s.

**Severity:** Notice

**Explanation:** Rib agent timed out waiting for one or more routing protocols to converge. During hitless reload or stateful switchover this may lead to routes being deleted from hardware temporarily until the routing protocols converge.

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

**SECURITY\_FAILED\_TO\_INITIALIZE\_PRNG:** Failed to initialize the PRNG: %s. Cryptographic functions requiring hardware generated random numbers will be on hold until the PRNG is ready.

**Severity:** Error

**Explanation:** Cryptographic functions requiring hardware generated random numbers will be on hold until the PRNG is ready.

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

**TOPODBEXPORT\_MAX\_NETWORK\_ROUTERS\_EXCEEDED:** Max routers (%u) exceeded for %s network %s!%s - %s, %s

**Severity:** Warning

**Explanation:** The network router was not added to the exported LSDB because the extra router would exceed the table limit. CSPF will continue with an inconsistent LSDB.

**Recommended Action:** If the network topology can be reduced, disable traffic-engineering, restart the Rib agent, and re-enable traffic-engineering.

**TOPODBEXPORT\_MAX\_ROUTER\_NEIGHBORS\_EXCEEDED:** Max neighbors (%u) exceeded for %s router %s - %s, %s

**Severity:** Warning

**Explanation:** The router neighbor was not added to the exported LSDB because the extra neighbor would exceed the table limit. CSPF will continue with an inconsistent LSDB.

**Recommended Action:** If the network topology can be reduced, disable traffic-engineering, restart the Rib agent, and re-enable traffic-engineering.

**TOPODBEXPORT\_MAX\_ROUTER\_PREFIXES\_EXCEEDED:** Max prefixes (%u) exceeded for %s router %s - %s, %s

**Severity:** Warning

**Explanation:** The router prefix was not added to the exported LSDB because the extra prefix would exceed the table limit. CSPF will continue with an inconsistent LSDB.

**Recommended Action:** If the network topology can be reduced, disable traffic-engineering, restart the Rib agent, and re-enable traffic-engineering.

## 2.130 ROUTING Messages

**ADJ\_SHARING\_MODE\_CHANGE:** Operating adj sharing mode for agent changed to %d

**Severity:** Info

**Explanation:** Adj sharing operating mode changed. Restarting agent

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

**CBF\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all class based forwarding FEC override mappings.

**Severity:** Error

**Explanation:** The switch is unable to program all class based forwarding FEC override mappings due to insufficient hardware resources.

**Recommended Action:** Reconfigure or remove unused class based forwarding FEC override mappings.

**CBF\_HW\_RESOURCE\_NORMAL:** All class based forwarding FEC override mappings are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all class based forwarding FEC override mappings in the hardware.

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

**DATAPLANE\_HITLESS\_RESTART\_TIMEOUT:** Hitless restart of the L3 forwarding agent timed out after %d seconds. The agent will abort the restart sync process and enter normal operating mode, resulting in a possible forwarding outage.

**Severity:** Info

**Explanation:** The L3 forwarding agent failed to complete the hitless restart process in the allotted time and will abort the restart sync and immediately enter normal operating mode.

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

**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.

**ECMP\_TRANSIENT\_STATE:** Hardware resources are insufficient to program all ECMP routes

**Severity:** Info

**Explanation:** Hardware resources are insufficient to program all ECMP routes. Hence, some ECMP routes will be programmed as non-ECMP routes.

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

**ECMP\_TRANSIENT\_STATE\_RECOVERY:** All routes and adjacencies are programmed in hardware

**Severity:** Info

**Explanation:** The switch was able to program all ECMP routes in hardware table.

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

**EGRESS\_RACL\_SHARING\_OVERRIDE\_URPF:** IPv4 Unicast RPF does not work and is disabled since egress router ACL sharing is enabled

**Severity:** Warning

**Explanation:** IPv4 Unicast RPF does not work when egress router ACL sharing is enabled. Switch to egress router ACL unshared mode for unicast RPF to be enabled again

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

**FEC\_PROGRAM\_ALL\_CHANGE:** Programming all hardware FECs configuration changed to %s

**Severity:** Info

**Explanation:** Programming all hardware FECs configuration changed. Restarting agent

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

**FEC\_RESIZING\_COMPLETE:** Maximum multi-path FEC size has been updated to %d via 'hardware fec multi-path maximum' or 'ip hardware fib next-hop multi-path maximum'

**Severity:** Warning

**Explanation:** All programmed FECs now fit within the requested maximum multi-path size.

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

**FEC\_RESIZING\_TIMEOUT:** Update of the maximum multi-path FEC size has timed out

**Severity:** Warning

**Explanation:** The process of FEC resizing exceeded the 10-minute timeout period. Not all multi-path FECs are guaranteed to be compatible with the new configured value. If the L3 feature agent still appears to be processing configuration, continue to wait for ROUTING-3-FEC\_RESIZING\_COMPLETE to be logged. If it does not complete after some time, an unexpected error may have occurred. This may be temporarily resolved by restarting the L3 forwarding agent or the device and waiting for reprocessing to finish.

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

**FEC\_RESOURCE\_FULL:** Not all FECs are programmed in hardware

**Severity:** Error

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

**Recommended Action:** Reconfigure the network to reduce the size of the FEC table(s). When the FEC table size reduces, the switch automatically programs any unprogrammed FECs in hardware.

**FEC\_RESOURCE\_NORMAL:** All FECs are programmed in hardware.

**Severity:** Error

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

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

**HARDWARE\_FEC\_UNSUPPORTED:** The FEC with adjacency key %d cannot be programmed. %s

**Severity:** Error

**Explanation:** The switch is unable to program a FEC, because the operations required for the FEC are not currently supported on this platform.

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

**HIERARCHICAL\_FECS\_MAX\_LEVEL\_CHANGE:** Operating hierarchical FECs max level for agent changed to %d

**Severity:** Info

**Explanation:** Hierarchical FECs max level changed. Restarting agent

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

**HIERARCHICAL\_FECS\_MODE\_CHANGE:** Operating hierarchical FECs mode for agent changed to %s

**Severity:** Info

**Explanation:** Hierarchical FECs operating mode changed. Restarting agent

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

**HW\_FAST\_FAILOVER\_MODE\_CHANGE:** Operating hardware fast failover mode for agent changed to %s

**Severity:** Info

**Explanation:** Hardware fast failover operating mode changed. Restarting agent

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

**HW\_HFEC\_PLUS\_URPF\_MODE\_CHANGE:** Operating urpf plus hierarchical fec mode for agent changed to %s

**Severity:** Info

**Explanation:** Urpf plus hierarchical fec mode changed. Restarting agent

**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\_PROGRAMMED\_ERROR\_ACTION\_CHANGE:** Hardware programming error action configuration changed to %s

**Severity:** Info

**Explanation:** Hardware programming error action configuration changed. Restarting agent

**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.

**IPTUNNEL\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all IP 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 tunnel destinations 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 tunnel destination peering. When the tunnel table size reduces, the switch automatically programs any unprogrammed tunnels in hardware tunnel table.

**IPTUNNEL\_HW\_RESOURCE\_NORMAL:** All IP tunnels are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the tunnels in the tunnel table, in hardware and normal hardware routing has resumed.

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

**KERNEL\_FWD\_INTF\_MTU\_OUT\_OF\_RANGE:** Kernel fwd interface MTU out of range, MTU of %d over limit of %d.

**Severity:** Error

**Explanation:** The kernel fwd interface MTU is out of range, The MTU of the kernel fwd interfaces must be less than or equal to the MTU of the txfdw interface.

**Recommended Action:** Reconfigure the MTU of the kernel fwd interface to be less than or equal to the MTU of the txfdw interface.

**MAX\_PATHS\_EXCEEDED:** Number of paths (%d) for adj %d higher than max 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.

---

**MPLS\_HARDWARE\_ROUTE\_UNSUPPORTED:** The route with MPLS route key %s cannot be programmed. %s

**Severity:** Error

**Explanation:** The switch is unable to program an MPLS route because the operations required for the route are not currently supported on this platform.

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

**MPLS\_LIB\_LABEL\_CONFLICT:** MPLS LIB for %s uses the same input label for distinct FECs

**Severity:** Error

**Explanation:** One or more input labels are being used by a given label distribution protocol (e.g. ISIS-SR, LDP), for distinct FECs. While this situation may occur transiently during reconfiguration, it should not persist.

**Recommended Action:** To solve this issue, inspect the LIB for the specified protocol using `show mpls <protocol> bindings`. This will indicate that the same input label (or local binding) is used for more than one FEC. It is likely due to a misconfiguration in the network, and that will need to be resolved.

**MPLS\_LIB\_LABEL\_CONFLICT\_RESOLVED:** MPLS LIB for %s no longer uses the same input label for distinct FECs

**Severity:** Error

**Explanation:** One or more input labels were being used by a given label distribution protocol (e.g. ISIS-SR, LDP), for distinct FECs, but the conflict has now been resolved.

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

**MPLS\_RESOURCE\_FULL:** Hardware resources are insufficient to program all MPLS 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.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the size of the routing table or the number of MPLS routes. When the hardware resources is available, the switch automatically programs any unprogrammed routes in hardware.

**MPLS\_RESOURCE\_NORMAL:** All MPLS routes are programmed in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all the MPLS routes in the hardware and normal hardware routing has resumed.

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

**MPLS\_VRF\_LABEL\_CONFLICT:** VRF label %u cannot be programmed

**Severity:** Warning

**Explanation:** VRF label has configuration at multiple sources.

**Recommended Action:** Remove configuration for this VRF label from all but one source.

**NEXT\_HOP\_COMBINATION\_NOT\_SUPPORTED:** Incompatible next hops found in FEC (ID: %d). Some next hops will be removed from the programmed FEC.

**Severity:** Info

**Explanation:** Merging multiple logical FECs has resulted in incompatible next hops in the same FEC. Some of the next hops have been removed to allow the FEC to be programmed.

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

**NO\_EGRESS\_RACL\_SHARING\_OVERRIDE\_URPF:** IPv4 Unicast RPF is enabled as the egress router ACL sharing is disabled.

**Severity:** Warning

**Explanation:** IPv4 Unicast RPF configuration is active again since egress router ACL sharing is disabled.

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

**NO\_ROUTE\_OPTIMIZATION\_OVERRIDE\_URPF:** IPv4 Unicast RPF is re-enabled since optimized IP route programming is not in effect

**Severity:** Warning

**Explanation:** IPv4 Unicast RPF configuration is active again since optimized IP route programming is not in effect.

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

**PEER\_CURRENTLY\_UNSUPPORTED\_RCF\_ATTRIBUTE:** The attribute '%s' is unsupported in %s RCF functions. It was used in %s() for %s (VRF %s AS %d)

**Severity:** Warning

**Explanation:** The unsupported attribute used within the named RCF is not considered during evaluation.

**Recommended Action:** Please use some other match clause to meet the requirement.

**PERSISTENT\_CONFIG\_MOVED:** %s is obsolete, please use %s

**Severity:** Error

**Explanation:** Persistent rib configuration in binary format in %s is not recommended, Put a plain-text list of commands in %s instead

**Recommended Action:** Archive the configuration using show tech-support ribd running-config > flash:old-ribd-config.txt delete the old %s, and move any configuration that EOS does not support natively to %s

**POLICY\_RECMP\_CAPACITY\_EXCEEDED:** Total next hop count (%s) for policy marked RECMC routes has exceeded the configured capacity. FEC utilization may increase, because FEC sharing may not work.

**Severity:** Info

**Explanation:** If the cumulative total of all possible next hops for all routes marked for RECMC is greater than the configured capacity, then resilient FEC sharing may not work, which can increase FEC utilization.

**Recommended Action:** Reconfigure the policy marked RECMC capacity to be greater than the total next hop count.

**RECMC\_CAPACITY\_EXCEEDED:** Total next hop count (%s) under RECMC parent prefix %a has exceeded the parent prefix's configured capacity. FEC utilization may increase, because FEC sharing may not work.

**Severity:** Info

**Explanation:** If the cumulative total of all possible next hops for all routes falling under a given RECMC parent prefix is greater than the configured capacity for that RECMC parent prefix, then resilient FEC sharing may not work, which can increase FEC utilization.

**Recommended Action:** Reconfigure the RECMC parent prefix capacity to be greater than the total next hop count.

**ROUTE\_OPTIMIZATION\_OVERRIDE\_URPF:** IPv4 Unicast RPF does not work and is disabled since optimized IP route programming option is configured

**Severity:** Warning

**Explanation:** IPv4 Unicast RPF does not work when optimized IP route programming is configured. Unconfigure the option for unicast RPF to be enabled again

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

**UNSUPPORTED\_AGGREGATE\_ROUTE\_MAP\_COMMAND:** Route map %s set as the Aggregate policy for VRF %s has an unsupported '%s' command

**Severity:** Warning

**Explanation:** The unsupported command used within the named route map is not considered while evaluating Aggregate policy.

**Recommended Action:** Please use some other match clause to meet the requirement.

**UNSUPPORTED\_ROUTE\_MAP\_COMMAND:** Route map %s set as the %s policy for peer %s VRF %s in address family %s has an unsupported '%s' command

**Severity:** Warning

**Explanation:** The unsupported command used within the named route map is not considered while evaluating policy.

**Recommended Action:** Please use some other match clause to meet the requirement.

**URPF\_ALLOW\_DEFAULT\_MODE\_ACTIVE:** Unicast RPF will not ignore the default route on %s

**Severity:** Warning

**Explanation:** Unicast RPF will check against the default route

**Recommended Action:** Configure all interfaces with non-default strict/loose mode unicast RPF

**URPF\_NON\_DEFAULT\_MODE\_ACTIVE:** Unicast RPF will ignore the default route on all interfaces

**Severity:** Warning

**Explanation:** Unicast RPF will not check against the default route

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

**URPF\_NOT\_READY\_IP\_ROUTING\_DISABLED:** The L3 forwarding agent is not ready to proceed with Unicast RPF %s. Warning: routing is disabled.

**Severity:** Error

**Explanation:** The L3 forwarding agent hit an issue and has indicated that it is not ready to proceed with Unicast RPF %s. Routing is now disabled for all VRFs.

**Recommended Action:** Routing should be manually disabled then re-enabled for VRFs that need routing enabled.

## 2.131 RPKI Messages

**CACHE\_CONNECTION\_ERROR:** Unable to connect to the cache server %s ('%s'): %s

**Severity:** Warning

**Explanation:** TCP connection could not be established

**Recommended Action:** Check the host, port, vrf, source interface configurations. Make sure cache server is configured correctly and is reachable

**CACHE\_CONNECTION\_SUCCESS:** Successfully connected to the cache server %s ('%s')

**Severity:** Notice

**Explanation:**

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

**CACHE\_ERROR:** %s

**Severity:** Warning

**Explanation:** Fatal error. Connection will be re-established after the configured retry interval duration

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

**CACHE\_FLUSH:** Flushing data from cache server %s ('%s'): %s

**Severity:** Warning

**Explanation:** ROAs obtained from cache are being cleared

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

## 2.132 RSVP Messages

**BYPASS\_AVAILABLE:** %s bypass established via %s (label %d).

**Severity:** Info

**Explanation:** A fast reroute bypass tunnel is available to protect against downstream link failure.

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

**BYPASS\_INUSE:** %s bypass is in use.

**Severity:** Info

**Explanation:** The fast reroute bypass tunnel is protecting against downstream link failure.

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

**BYPASS\_NODE\_AVAILABLE:** %s bypass to %s established via %s (label %d).

**Severity:** Info

**Explanation:** A fast reroute bypass tunnel is available to protect against downstream node failure.

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

**BYPASS\_NODE\_INUSE:** %s bypass to %s is in use.

**Severity:** Info

**Explanation:** The fast reroute bypass tunnel is protecting against downstream link failure.

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

**BYPASS\_NODE\_NOTINUSE:** %s bypass to %s is not in use.

**Severity:** Info

**Explanation:** The fast reroute bypass tunnel is no longer used to protect against downstream link failure.

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

**BYPASS\_NODE\_NOT\_NEEDED:** %s bypass to %s removed since it is not needed.

**Severity:** Info

**Explanation:** A fast reroute bypass tunnel is down by intentional teardown because it's not needed anymore.

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

**BYPASS\_NODE\_UNAVAILABLE:** %s bypass to %s requested but unavailable.

**Severity:** Warning

**Explanation:** No fast reroute bypass tunnel is available to protect against downstream node failure.

**Recommended Action:** Create an alternate path in the topology to reach the neighbor.

**BYPASS\_NOTINUSE:** %s bypass is not in use.

**Severity:** Info

**Explanation:** The fast reroute bypass tunnel is no longer used to protect against downstream link failure.

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

**BYPASS\_NOT\_NEEDED:** %s bypass removed since it is not needed.

**Severity:** Info

**Explanation:** A fast reroute bypass tunnel is down by intentional teardown because it's not needed anymore.

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

**BYPASS\_UNAVAILABLE:** %s bypass requested but unavailable.

**Severity:** Warning

**Explanation:** No fast reroute bypass tunnel is available to protect against downstream link failure.

**Recommended Action:** Create an alternate path in the topology to reach the neighbor.

**P2MP\_UNSUPPORTED\_FIXED\_FILTER\_STYLE:** PATH message for a P2MP session with extended tunnel ID %s rejected due to requesting unsupported Fixed Filter style

**Severity:** Warning

**Explanation:** A PATH message for a session with the specified extended tunnel ID has been rejected since it requested Fixed Filter style be used, and only Shared Explicit style is supported for P2MP sessions.

**Recommended Action:** Check that the node with the extended tunnel ID is configured to use Shared Explicit style for P2MP sessions.

**SUBTUNNEL\_DOWN:** Sub tunnel %s to %s% is down

**Severity:** Info

**Explanation:** The named RSVP sub tunnel is down.

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

**SUBTUNNEL\_UP\_USING\_PRIMARY:** Sub tunnel %s to %s% is up using primary path

**Severity:** Info

**Explanation:** The named RSVP sub tunnel is up and currently using the primary path.

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

**SUBTUNNEL\_UP\_USING\_SECONDARY:** Sub tunnel %s to %s% is up using secondary path

**Severity:** Info

**Explanation:** The named RSVP sub tunnel is up and currently using the secondary path.

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

**TUNNEL\_DOWN:** Tunnel %s to %s% is down

**Severity:** Info

**Explanation:** The named RSVP tunnel is down.

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

**TUNNEL\_UP\_USING\_PRIMARY:** Tunnel %s to %s% is up using primary path

**Severity:** Info

**Explanation:** The named RSVP tunnel is up and currently using the primary path.

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

**TUNNEL\_UP\_USING\_SECONDARY:** Tunnel %s to %s% is up using secondary path

**Severity:** Info

**Explanation:** The named RSVP tunnel is up and currently using the secondary path.

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

**TUNNEL\_UP\_USING\_SUBTUNNEL:** Tunnel %s to %s% is up using %d %s

**Severity:** Info

**Explanation:** The named RSVP tunnel is up and currently using one or more sub tunnels.

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

## 2.133 SAND Messages

**ACL\_EGRESS\_COUNTERS\_EXHAUSTED:** Egress ACL counter indices (%s) are exhausted (%s).

**Severity:** Info

**Explanation:** Configured egress ACL rules exceeds the maximum egress ACL counterindices supported by the Hardware.

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

**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.

**CBF\_OVERRIDE\_IGNORED:** CBF cannot be programmed in its current configuration with the current TCAM profile

**Severity:** Error

**Explanation:** The switch is unable to program CBF overrides due to an incompatible tcam profile

**Recommended Action:** Update your TCAM profile to use CBF

**CHIP\_LEVEL\_STORM\_CONTROL\_NOT\_SUPPORTED\_IN\_NON\_ARAD\_CHIPS:** Chip level unknown-unicast storm-control not supported on %s (%s switch chip). Similar functionality may be achieved using per-port storm-control instead.

**Severity:** Warning

**Explanation:** No description needed.

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

**COUNTER\_DMA\_ERROR:** Counter DMA error (%d) on FIFO %d occurred for %s

**Severity:** Error

**Explanation:** An error has happened while reading queue counters. This may result in lost queue counter updates.

**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.

**COUNTER\_INTF\_MIB\_MISPROGRAMMED:** Misprogrammed MIB counters for interface %s

**Severity:** Warning

**Explanation:** The hardware programming for interface MIB counters is invalid. This may cause incorrect counters in 'show interfaces counters'.

**Recommended Action:** Consider restarting the SandCounters agent to restore the proper programming ('agent SandCounters terminate')

**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.

---

**DMA\_DEVICE\_STATE\_ERROR:** %s expected state: %s, actual state: %s

**Severity:** Error

**Explanation:** Device up/down state changed unexpectedly. Forwarding agent restarted in order to recover from this error.

**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.

**DRAM\_RETUNE:** Retune operation on DRAM Channel %d on %s completed

**Severity:** Info

**Explanation:** Software successfully completed an automatic retune operation on a DRAM channel to maintain the health of the DRAM interface between the forwarding chip and DRAM. This can incur up to 4ms of traffic loss.

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

**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\_EXEM\_RESOURCE\_FULL:** Hardware resources are insufficient to program all VXLAN egress filtering rules needed for the VXLAN DCI Gateway Multihoming feature

**Severity:** Error

**Explanation:** The switch is unable to program all VXLAN egress filtering rules for VXLAN DCI Gateway Multihoming feature due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the VXLAN DCI Gateway peer vtep scale on the switch.

**EGRESS\_EXEM\_RESOURCE\_NORMAL:** All VXLAN egress filtering rules needed for the VXLAN DCI Gateway Multihoming feature are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all VXLAN egress filtering rules for VXLAN Gateway Multihoming feature in hardware

**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.

**EGRESS\_SFLOW\_HW\_RESOURCE\_FULL:** Egress sFlow is inactive because the maximum number of monitor sessions have already been configured

**Severity:** Error

**Explanation:** When the maximum number of monitor sessions have been configured, egress sFlow cannot be programmed into hardware.

**Recommended Action:** Reduce the number of configured monitor sessions.

**EGRESS\_SFLOW\_HW\_RESOURCE\_NORMAL:** Egress sFlow has been programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program egress sFlow in hardware.

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

**EGRESS\_SFLOW\_INTERFACE\_NORMAL:** Egress sFlow on interface %s has been programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program interface for egress sFlow

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

**EGRESS\_SFLOW\_INTERFACE\_NOT\_ACTIVE:** Egress sFlow on interface %s is not active while the interface is used as a source for egress mirroring

**Severity:** Error

**Explanation:** When an interface is configured as a source for egress mirroring, egress sFlow will not work on the same interface

**Recommended Action:** Remove the egress mirroring configuration on this interface

**EGRESS\_SFLOW\_INTERFACE\_RECIRC\_PORT\_NORMAL:** Egress sFlow interface %s configured on %s.%d has been programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program interface for egress sFlow

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

**EGRESS\_SFLOW\_INTERFACE\_RECIRC\_PORT\_NOT\_AVAILABLE:** No recirculation port available for egress sFlow interface %s on %s.%d

**Severity:** Error

**Explanation:** Each FAP and core with a configured egress sFlow interface requires a recirculation port for sampling to occur on that interface

**Recommended Action:** A recirculation port must be freed on this FAP and core

**ELK\_ERROR:** %s External lookup engine interface is down, reboot or reset linecard to recover

**Severity:** Error

**Explanation:** If power cycle does not fix the problem, it may be bad hardware.

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

**EM\_RESOURCE\_FULL:** Hardware resources are insufficient to program all entries in %s table on %s

**Severity:** Error

**Explanation:** The switch is unable to program all the entries in the table due to insufficient hardware resources.

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

**EM\_RESOURCE\_NORMAL:** All entries in %s table are programmed in hardware on %s

**Severity:** Error

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

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

**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.

**ESEM\_RESOURCE\_FULL:** Hardware resources are insufficient to program all entries in ESEM table.

**Severity:** Error

**Explanation:** The switch is unable to program all sub-intfs or vlan mappings due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of sub-intfs or vlan mappings in the switch.

**ESEM\_RESOURCE\_NORMAL:** Hardware resources to program sub-interfaces or vlan mappings are recovered.

**Severity:** Error

**Explanation:** The switch was able to program all sub-intfs/vlan mappings in hardware.

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

**ESI\_EVPN\_MPLS\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all ESI filter routes

**Severity:** Error

**Explanation:** The switch is unable to program all ESI filter routes due to insufficient hardware resources. EVPN MPLS multi-homing might not work as expected.

**Recommended Action:** Free up some TCAM banks or ACLs to get TCAM resources to accommodate the ESI filters

**ESI\_EVPN\_MPLS\_HW\_RESOURCE\_NORMAL:** All ESI filter routes are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the ESI filter routes in the hardware.

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

**EVEC\_STATE\_INVALID:** Detected an inconsistency with Egress VLAN Editing

**Severity:** Warning

**Explanation:** There is an inconsistency with one or more entry in the Egress VLAN Editing tables, this might not cause any issues, restarting SandTunnel agent may fix this

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

**EVEC\_STATE\_NORMAL:** Egress VLAN Editing has recovered

**Severity:** Warning

**Explanation:** Any inconsistencies in the Egress VLAN Editing tables have been resolved

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

**EXPECTED\_AGENT\_EXIT:** Agent for %s will exit and restart because %s.

**Severity:** Info

**Explanation:** Sand agent will exit and restart. This may result in a brief traffic outage.

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

**EXPECTED\_FULL\_RESET:** Reset ingress and egress blocks of switch chip %s. This is expected as part of config change.

**Severity:** Info

**Explanation:** Software reinitialized the ingress and egress blocks of the chip to apply some configuration. This causes minor traffic loss.

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

**FABRICSERDES\_LINK\_FAILED:** SERDES %s failed to link up with SERDES %s:%d

**Severity:** Warning

**Explanation:** The specified SERDES in the system 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\_AUDIT\_RESULT:** Links between these two modules are disabled due to RQP discards. Please contact TAC for assistance in replacing them.

**Severity:** Error

**Explanation:** %s

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

**FABRIC\_CAPACITY\_ABOVE\_THRESHOLD:** Fabric capacity for ports on %s increased to %d (Threshold %d%%)

**Severity:** Info

**Explanation:** Sufficient fabric links connected to Fap are operational.

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

**FABRIC\_CAPACITY\_BELOW\_THRESHOLD:** Fabric capacity for ports on %s reduced to %d%% (Threshold %d%%)

**Severity:** Warning

**Explanation:** Fabric capacity went below configured threshold due to insufficient operational fabric links. Front panel ports may not be able to sustain line rate traffic.

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

**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>'. 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\_INTERRUPT\_OCCURRED:** FMAC TX FDRC CRC interrupt detected on %s (count %d). %s

**Severity:** Error

**Explanation:** Fabric card needs to be shutdown if error persists.

**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.

**FLEXROUTE\_COMPRESSED\_CONFIG\_IGNORED:** Compressed prefix length %d is being ignored

**Severity:** Warning

**Explanation:** The prefix length cannot be compressed due to incompatible TCAM profile

**Recommended Action:** Please configure the "flex-route" feature in your TCAM profile

**FPGA\_PARITY\_ERROR:** Corrino memory parity errors occurred in %s

**Severity:** Error

**Explanation:** Corrino memory parity errors have been detected.

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

**GLEM\_HW\_RESOURCE\_FULL:** Insufficient resources to allocate an outlif to program an additional Tap Aggregation config.

**Severity:** Warning

**Explanation:** Recently added Tap Aggregation config may not be operational.

**Recommended Action:** Remove an existing Tap Aggregation config to release an outlif.

**GRE\_DECAP\_IP\_CONFLICT:** Conflicting GRE tunnel interface and decap-group for decap IP address %s.

**Severity:** Warning

**Explanation:** decap-group might not work as expected.

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

**GRE\_RATELIMIT\_CHIP\_HW\_LIMIT\_EXCEEDED:** Rate limiting configuration on mirror to GRE traffic with mirroring session %s on interface %s failed due to lack of queuing hardware resources shared with shaped subinterfaces on %s.Core%d.

**Severity:** Error

**Explanation:** If shaping is removed on subinterfaces on the same core to address this, it is required to remove and reapply mirror to GRE rate limiting configuration in order for it to take effect.

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

**GRE\_RATELIMIT\_GLOBAL\_HW\_LIMIT\_EXCEEDED:** Rate limiting configuration on mirror to GRE traffic with mirroring session %s on interface %s failed due to system hardware limit of resources shared with shaped subinterfaces.

**Severity:** Error

**Explanation:** If shaping is removed on subinterfaces to address this, it is required to remove and reapply mirror to GRE rate limiting configuration in order for it to take effect.

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

**GTIMER\_ACTIVATED:** GTimer triggered on block %s, on %s

**Severity:** Warning

**Explanation:** Some counters within the block may have incorrect values

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

**GTIMER\_DEACTIVATED:** GTimer deactivated after being triggered on block %s, on %s

**Severity:** Warning

**Explanation:** Some counters within the block may have been affected

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

**HALOFGA\_CRC\_ERROR:** %s detected correctable CRC error

**Severity:** Warning

**Explanation:** Some traffic may be dropped

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

**HALOFGA\_SEU\_ERROR:** %s detected uncorrectable CRC error

**Severity:** Error

**Explanation:** Reboot or reset linecard

**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.

**HASH\_PRESET\_ON\_MIXED\_FATYPE\_SYSTEM:** Uniform hashing may not be achieved using hashing preset

**Severity:** Warning

**Explanation:** This system has different types of chips. Since different types of chips have different hash functions, uniform hashing may not be achieved by setting the hashing preset for the system.

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

**HW\_READ\_WRITE\_IGNORED:** Hardware read or write on switch chip %d was ignored due to invalid parameters

**Severity:** Error

**Explanation:** A request was made to read or write a hardware table, but it gave an invalid index, as a result this request was ignored.

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

**INCONSISTENT\_CHIP:** Inconsistent chip revisions detected on %s.

**Severity:** Error

**Explanation:** This linecard has inconsistent chip revisions. It indicates a manufacturing defect.

**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.

**INGRESS\_RESET:** Reset ingress blocks of switch chip %s.

**Severity:** Warning

**Explanation:** Software re-initialized the ingress blocks of the chip, causing minor traffic loss.

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

**INGRESS\_SFLOW\_SUBINTF\_CONFLICT:** Ingress sFlow is inactive on subinterfaces of %s because it is already enabled on the parent interface.

**Severity:** Warning

**Explanation:** If Ingress sFlow is enabled on both the parent interface and any of its subinterfaces, it stays active on the parent interface and inactive on the subinterfaces. Disable ingress sFlow on the parent interface or its subinterfaces to avoid the conflict.

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

**INGRESS\_SFLOW\_SUBINTF\_HW\_RESOURCE\_FULL:** Ingress sFlow on subinterfaces is inactive because the maximum number of monitor sessions have already been configured

**Severity:** Error

**Explanation:** When the maximum number of monitor sessions have been configured, ingress sFlow on subinterfaces cannot be programmed into hardware.

**Recommended Action:** Reduce the number of configured monitor sessions.

**INGRESS\_SFLOW\_SUBINTF\_HW\_RESOURCE\_NORMAL:** Ingress sFlow on subinterfaces is now active

**Severity:** Error

**Explanation:** The switch was able to program ingress sFlow on subinterfaces in hardware.

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

**INGRESS\_SFLOW\_SUBINTF\_NO\_CONFLICT:** Ingress sFlow is no longer in conflict with parent interface %s and its subinterfaces

**Severity:** Warning

**Explanation:** The ingress sFlow configuration is no longer enabled on both the parent interface and its subinterfaces.

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

**INIT\_FAILED:** Initialization of %s failed due to %s.

**Severity:** Error

**Explanation:** The initialization of the switch hardware forwarding agent on this card failed. This could just 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.

**INTERRUPT\_OCCURRED:** Interrupt %s on %s. %s

**Severity:** Error

**Explanation:** Parity/Ecc errors have been detected in hardware. Most of these errors will be corrected by software

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

**IN\_LIF\_PROTECTION\_POINTER\_EXHAUSTED:** All available protection pointer indexes are used.

**Severity:** Warning

**Explanation:** Packets may leak through interfaces while modifying ACLs.

**Recommended Action:** Reconfigure your network to reduce the number of tunnels or sub-intfs in the switch.

**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.

**IRR\_MCDB\_PARITY\_ERROR\_CORRECTED:** Parity error in the IRR MCDB hardware block on %s corrected by full chip reset

**Severity:** Warning

**Explanation:** Software re-initialized the blocks of the chip, causing minor traffic loss.

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

**ISEMA\_RESOURCE\_FULL:** Hardware resources are insufficient to program all entries in ISEM-A table.

**Severity:** Error

**Explanation:** The switch is unable to program all tunnels or sub-intfs or vlan mappings due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of tunnels or sub-intfs or vlan mappings in the switch.

**ISEMA\_RESOURCE\_NORMAL:** Hardware resources to program tunnels or sub-interfaces or vlan mappings are recovered.

**Severity:** Error

**Explanation:** The switch was able to program all tunnels/sub-intfs/vlan mappings in hardware.

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

**ISEMB\_RESOURCE\_FULL:** Hardware resources are insufficient to program all entries in ISEM-B table.

**Severity:** Error

**Explanation:** The switch is unable to program all tunnels or sub-intfs or vlan mappings due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of tunnels or sub-intfs or vlan mappings in the switch.

**ISEMB\_RESOURCE\_NORMAL:** Hardware resources to program tunnels or sub-interfaces or vlan mappings are recovered.

**Severity:** Error

**Explanation:** The switch was able to program all tunnels/sub-intfs/vlan mappings in hardware.

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

**ISOLATED\_FAP\_DETECTED:** %s has no active links to fabric. See 'show platform fap %s fabric detail' for more information.

**Severity:** Error

**Explanation:** Fap with no fabric links can lead to traffic drops

**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.

**LAG\_MODE\_NOT\_SUPPORTED:** The configured LAG mode %s is not supported on this system. Defaulting to LAG mode %s.

**Severity:** Info

**Explanation:** Certain LAG modes are not supported on all systems.

**Recommended Action:** Change which LAG mode is configured to the desired supported mode and reboot the system.

**LOCAL\_VTEP\_ADDRESS\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program local VTEP address %s

**Severity:** Error

**Explanation:** The switch is unable to program local VTEP address. VXLAN forwarding will not function as expected.

**Recommended Action:** Remove decap-group IPs to free up hardware resources.

**LOCAL\_VTEP\_ADDRESS\_HW\_RESOURCE\_NORMAL:** Hardware resources are sufficient to program local VTEP address %s

**Severity:** Error

**Explanation:** The switch is able to program local VTEP address. VXLAN forwarding will function as expected.

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

**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

**MCAST\_INGRESS\_REPLICATION\_FILTER\_INVALID\_IP\_RULE:** IP access list is configured with other than destination rule.

**Severity:** Warning

**Explanation:** Only destination IP and mask is supported in ingress replication filter.

**Recommended Action:** To avoid seeing this error again, configure access list with rules containing only destination and destination mask.

**MCAST\_INGRESS\_REPLICATION\_FILTER\_IP\_SOURCE\_NOT\_SUPPORTED:** IP access list is configured with Non zero IP source rule.

**Severity:** Warning

**Explanation:** Source IP in IP access list rule will not take effect in ingress replication filter.

**Recommended Action:** To avoid seeing this error again, configure access list with rules containing only destination and destination mask.

**MCAST\_INGRESS\_REPLICATION\_LIMIT\_EXCEEDED:** Configured maximum ingress replications (%d) higher than that allowed by the configured buffer limit

**Severity:** Warning

**Explanation:** The ingress replication maximum is higher than the configured buffer limit allows. Please modify either the maximum ingress replications using 'platform sand multicast replication ingress maximum < members >' or the buffer limit using '[no] platform sand multicast replication ingress buffer maximum'.

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

**MCAST\_PICASSO\_NOT\_READY:** Picasso memory is not ready in SandMcast.

**Severity:** Error

**Explanation:** Picasso memory is not ready in SandMcast. SandMcast is about to restart.

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

**MCAST\_PPMC\_RESOURCE\_FULL:** Hardware resources are insufficient to program all multicast chain port-VLANs on %s

**Severity:** Error

**Explanation:** The switch is unable to program all the multicast chain tunnel port-VLAN entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of tunnel port-VLAN entries on the switch

**MCAST\_PPMC\_RESOURCE\_NORMAL:** All multicast chain port-VLANs are programmed in hardware on %s

**Severity:** Error

**Explanation:** The switch was able to program all the multicast chain tunnel port-VLAN entries in hardware.

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

**MIRRORING\_ACL\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all mirroring ACLs

**Severity:** Error

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

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

**MIRRORING\_ACL\_HW\_RESOURCE\_NORMAL:** All mirroring ACLs are programmed in hardware

**Severity:** Error

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

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

**MIRRORING\_LAG\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program mirroring Port-channel

**Severity:** Error

**Explanation:** The switch is unable to program Port-channel for mirroring due to insufficient hardware resources.

**Recommended Action:** Reconfigure your monitor sessions to reduce the number of GRE destination interfaces, or remove a port-channel with two or more members.

**MIRRORING\_LAG\_HW\_RESOURCE\_NORMAL:** Port-channel group hardware ID is available for Mirroring

**Severity:** Error

**Explanation:** The switch was able to program Port-channel in the hardware.

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

**MIRROR\_RATE\_LIMIT\_INCOMPATIBLE:** Rate limiting of mirrored traffic is not compatible with %s. For %s to work, please disable rate limiting of mirrored traffic.

**Severity:** Error

**Explanation:** QoS policing and storm control do not work correctly if rate limiting of mirrored traffic is enabled.

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

**MULTI\_LABEL\_LOOKUP\_COUNT\_ENTROPY\_POP\_NOT\_SUPPORTED:** With 'mpls lookup label count 2' command, entropy label pop is not supported

**Severity:** Error

**Explanation:** When MPLS lookup label count is 2 and the packet has entropy label, the entropy label indicator and entropy label will not be popped

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

**NO\_LINECARDS\_PRESENT:** No connected linecards detected on fabric card %s

**Severity:** Warning

**Explanation:** Linecards need to be installed

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

**OUTAC\_RESOURCE\_FULL:** Hardware resources are insufficient to program all entries in OutAc table for interface %s.

**Severity:** Error

**Explanation:** The switch is unable to program all operational tunnel and VLAN tag rewrite state due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of tunnels, sub-interfaces, VLAN mapping and other VLAN tag manipulation operations

**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.

**PORT\_HW\_RESOURCE\_EXHAUSTED:** No resources are available to configure port: %s

**Severity:** Error

**Explanation:** The maximum active ports limit for this system has been exceeded. The forwarding agent will restart and retry port allocation, if this fails please reduce the amount of active ports to within specification.

**Recommended Action:** Reduce the amount of active ports

**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\_AFTER\_INIT\_FAILURE:** %s is being power cycled due to consecutive initialization failures

**Severity:** Error

**Explanation:** The initialization of switch asics failed and the card is being power cycled to recover from the failure.

**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.

**POWER\_OFF\_AFTER\_DDR\_PLL\_LOCKED\_FAILURE:** %s is being powered off due to consecutive initialization failures.

**Severity:** Error

**Explanation:** The initialization of switch ASICs (DDR) failed and the card is being powered off.

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

**POWER\_OFF\_AFTER\_PERSISTENT\_DMA\_FAILURE:** Powering off Linecard %d because of %d DMA health check failures within %d hours

**Severity:** Warning

**Explanation:** The linecard was powered off due to persistent DMA failures on the linecard.

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

**PVLAN\_FORWARDINGID\_NOT\_CONFIGURED:** Unable to activate private VLAN with secondary VLAN %d and primary VLAN %d on interface %s because forwarding-id sharing is not configured.

**Severity:** Error

**Explanation:** The specified private VLAN could not be activated because forwarding-id sharing is not configured.

**Recommended Action:** Configure the forwarding-id sharing feature with the 'platform sand l2 forwarding-id sharing' command.

**PVLAN\_IGMPSNOOPING\_NOT\_SUPPORTED:** Unable to configure IGMP snooping on secondary VLAN %d and primary VLAN %d because IGMP snooping on private VLAN is not supported on this system.

**Severity:** Warning

**Explanation:** IGMP snooping on private VLAN is not supported on this system.

**Recommended Action:** Remove IGMP snooping configurations on private VLAN

**PVLAN\_RESOURCE\_FULL:** Unable to activate private VLAN with secondary VLAN %d and primary VLAN %d on interface %s due to hardware resource exhaustion.

**Severity:** Error

**Explanation:** The specified private VLAN could not be activated due to hardware resource exhaustion.

**Recommended Action:** Free up hardware resources by assigning fewer interfaces to secondary VLANs. Unconfigure and reconfigure the private VLAN aspects of the interface mentioned in the log message to get the system to attempt to program it again.

**PVLAN\_VXLAN\_RESOURCE\_FULL:** Hardware resources are insufficient to program primary VLAN %d with secondary VLAN %d and VXLAN VNI %d. Hardware supports only secondary VLANs of at most %d different primary VLANs to be mapped to VXLAN VNIs.

**Severity:** Error

**Explanation:** The specified private VLAN could not be mapped to the VNI due to insufficient hardware resources.

**Recommended Action:** Reduce the number of primary VLANs whose secondary VLANs are mapped to VXLAN VNIs

**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.

**RECIRC\_PORT\_CONFLICT:** Internal Recirc port in use by %s has been manually reconfigured.

**Severity:** Warning

**Explanation:** A new Internal Recirc port will automatically be selected to be used by the feature.

**Recommended Action:** Check the output of 'show platform sand recirculation mapping' to ensure a new Internal Recirc has been configured for the feature.

**RECIRC\_PORT\_NOT\_AVAILABLE:** Unable to configure Internal Recirc port. Reason: %s

**Severity:** Error

**Explanation:** An error occurred when configuring an Internal Recirc port. The port may not be configured as expected.

**Recommended Action:** Use the reason included in the log message to determine why the Internal Port configuration failed. If you are unsure how to proceed, contact your support representative.

**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.

**ROUTER\_MAC\_HW\_RESOURCE\_FULL:** Failed to program the configured router MAC address %s on interface %s because the ingress or egress hardware resources are full.

**Severity:** Error

**Explanation:** The switch is unable to program new router MAC addresses due to insufficient ingress or egress hardware resources.

**Recommended Action:** Configure your network to have new router MAC addresses reuse existing router MAC address prefixes configured in the switch.

**ROUTER\_MAC\_HW\_RESOURCE\_NORMAL:** All configured router MAC addresses are programmed into hardware

**Severity:** Info

**Explanation:** The switch was able to program all the configured router MAC addresses in the hardware.

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

**ROUTE\_OPTIMIZATION\_UNSUPPORTED:** Route optimization not supported for %s.

**Severity:** Error

**Explanation:** Route optimization not supported with the current running configuration.

**Recommended Action:** Remove unsupported route optimization configuration.

**ROUTING\_ARP\_REMOTE\_RESOURCE\_FULL:** Hardware resources are insufficient to program all remote ARP entries

**Severity:** Error

**Explanation:** The switch is unable to program all remote ARP entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of remote ARP entries in the switch.

**ROUTING\_ARP\_REMOTE\_RESOURCE\_NORMAL:** All remote ARP entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the remote ARP entries in hardware.

**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\_FEATURE\_INCOMPATIBLE:** Egress IPv6 ACLs will not work while sharing next-hops between IPv4/IPv6.

**Severity:** Error

**Explanation:** Egress IPv6 ACLs and next-hop sharing are not compatible features.

**Recommended Action:** Turn off adj sharing by issuing 'no ip hardware fib next-hop sharing'.

**ROUTING\_GRE\_AND\_MOG\_RESOURCE\_CONTENTION:** GRE and MPLS-over-GRE configuration cannot co-exist on the switch. Please unconfigure either of the two

**Severity:** Error

**Explanation:** The switch maybe able to program GRE or MPLS-over-GRE in hardware

**Recommended Action:** Configure your network topology to include either GRE or MPLS-over-GRE in the config

**ROUTING\_GRE\_AND\_MOG\_RESOURCE\_CONTENTION\_RESOLVED:** Resource contention between GRE and MPLS-over-GRE maybe resolved

**Severity:** Warning

**Explanation:** The switch data plane does not support GRE and MPLS-over-GRE encapsulation at the same time

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

**ROUTING\_GRE\_TUNNEL\_RESOURCE\_FULL:** Hardware resources are insufficient to program all GRE tunnel entries

**Severity:** Error

**Explanation:** The switch is unable to program all GRE tunnel entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of tunnel or ARP entries in the switch.

**ROUTING\_GRE\_TUNNEL\_RESOURCE\_NORMAL:** All GRE tunnel entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the GRE tunnel entries in hardware.

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

**ROUTING\_IPV6\_HOST\_ROUTE\_RESOURCE\_FULL:** TCAM entry could not be allocated for IPv6 host route

**Severity:** Error

**Explanation:** The switch is unable to program IPv6 host routes due to insufficient hardware resources for new IPv6 networks

**Recommended Action:** Check the number of IPv6 networks with host routes and restrict unique /64 networks to 511

**ROUTING\_IPV6\_HOST\_TCAM\_ALLOCATED:** TCAM bank successfully allocated for IPv6 host routes

**Severity:** Error

**Explanation:** TCAM bank is now available for programming IPv6 host routes in hardware

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

**ROUTING\_IPV6\_HOST\_TCAM\_ALLOC\_FAILED:** TCAM bank could not be allocated for IPv6 host routes

**Severity:** Error

**Explanation:** The switch is unable to program ipv6 host routes due to insufficient hardware resources

**Recommended Action:** Reconfigure the switch to free up tcam resources for ipv6 host route programming OR configure no ipv6 host-route exact-match to disable IPv6 host routes getting programmed in exact match table

**ROUTING\_IP\_TUNNEL\_RESOURCE\_FULL:** Hardware resources are insufficient to program all IP tunnel entries

**Severity:** Error

**Explanation:** The switch is unable to program all IP tunnel entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of IP tunnel entries in the switch.

**ROUTING\_IP\_TUNNEL\_RESOURCE\_NORMAL:** All IP tunnel entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the IP tunnel entries in hardware.

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

**ROUTING\_LEM\_RESOURCE\_FULL:** Hardware resources are insufficient to program all MAC entries and routes

**Severity:** Error

**Explanation:** The switch is unable to program all MAC entries and routes due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of MAC entries and routes in the switch.

**ROUTING\_LEM\_RESOURCE\_NORMAL:** All MAC entries and routes are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all MAC entries and routes in hardware.

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

**ROUTING\_LPM\_MODE\_CHANGE:** SandL3Unicast agent is restarting disruptively to reprogram all routes

**Severity:** Warning

**Explanation:** Switch with chips of different LPM capacities need disruptive restart of L3 forwarding agent to support routing in mixed mode

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

**ROUTING\_LPM\_REPROGRAM:** SandL3Unicast agent is disruptively reprogramming all routes to adapt to a change of switch chip versions in the system

**Severity:** Warning

**Explanation:** When a linecard containing different switch chip versions with different LPM capacities from what is already present in the modular switch is inserted, the L3 forwarding agent disruptively reprograms all the switch chips in the system to adapt to the new, mixed mode of operation

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

**ROUTING\_MIRROR\_GRE\_TUNNEL\_NEXTHOPS\_UNPROGRAMMED:** Hardware resources insufficient to program all mirror to GRE nexthops.

**Severity:** Info

**Explanation:** The number of nexthops that can be programmed for a given mirror to GRE tunnel is limited to the maximum number of lag members supported by the operational lag mode.

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

**ROUTING\_MPLS\_OVER\_GRE\_RESOURCE\_FULL:** Hardware resources are insufficient to program all mpls over gre tunnel entries

**Severity:** Error

**Explanation:** The switch is unable to program all mpls over gre tunnel entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of mpls over gre tunnel entries in the switch.

**ROUTING\_MPLS\_OVER\_GRE\_RESOURCE\_NORMAL:** All mpls over gre tunnel entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the mpls over gre tunnel entries in hardware.

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

**ROUTING\_MPLS\_TUNNEL\_RESOURCE\_FULL:** Hardware resources are insufficient to program all mpls tunnel entries

**Severity:** Error

**Explanation:** The switch is unable to program all mpls tunnel entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of mpls tunnel entries in the switch.

**ROUTING\_MPLS\_TUNNEL\_RESOURCE\_NORMAL:** All mpls tunnel entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the mpls tunnel entries in hardware.

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

**ROUTING\_MTU\_CONFIG\_ERROR:** Failed to program MTU on Interface %s. The number of unique MTU values configured on routed interfaces exceeds the maximum supported (%d)

**Severity:** Error

**Explanation:** Maximum allowed unique MTU values in the switch reached. No new MTU configurations allowed on the switch. MTU is not enforced on this Interface.

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

**ROUTING\_NEXT\_HOP\_FALLBACK\_DECAP\_NOT\_SUPPORTED:** Routes pointing to decap next-hop cannot be installed with current configuration

**Severity:** Error

**Explanation:** Please enable next-hop fallback decapsulation cli

**Recommended Action:** Use command: "next-hop fallback decapsulation vrf" and restart SandL3Unicast agent.

**ROUTING\_NEXT\_HOP\_FALLBACK\_DECAP\_SUPPORTED:** Routes pointing to decap next-hop can now be installed.

**Severity:** Info

**Explanation:** Command 'next-hop fallback decapsulation vrf' is enabled.

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

**ROUTING\_OPTIMIZE\_CONFIG\_CHANGED:** SandTunnel agent is restarting disruptively.

**Severity:** Warning

**Explanation:** SandTunnel restarts disruptively in response to a change in fib optimize prefix-length configuration.

**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.

**ROUTING\_TUNNEL\_QOS\_RESOURCE\_FULL:** Hardware resources may be insufficient to program new entries with new QOS values

**Severity:** Warning

**Explanation:** The switch is unable to program new tunnel entries due to insufficient QOS index hardware resources.

**Recommended Action:** Configure your network to have new tunnel entries reusing existing tunnel QOS values configured in the switch.

**ROUTING\_TUNNEL\_QOS\_RESOURCE\_NORMAL:** Hardware resources are available to program new tunnel with new QOS values.

**Severity:** Warning

**Explanation:** The switch is able to program new tunnel entries in hardware as QOS index resource is now available.

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

**ROUTING\_TUNNEL\_SIP\_RESOURCE\_FULL:** Hardware resources are insufficient to program new tunnel entries with new source IP addresses

**Severity:** Warning

**Explanation:** The switch is unable to program new tunnel entries due to insufficient source IP index hardware resources.

**Recommended Action:** Configure your network to have new tunnel entries reusing existing tunnel source IP address configured in the switch.

**ROUTING\_TUNNEL\_SIP\_RESOURCE\_NORMAL:** Hardware resources are available to program new tunnel with new source IP addresses.

**Severity:** Warning

**Explanation:** The switch is able to program new tunnel entries in hardware as source IP index resource is now available.

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

**ROUTING\_TUNNEL\_TTL\_RESOURCE\_FULL:** Hardware resources are insufficient to program new tunnel entries with new TTL values

**Severity:** Warning

**Explanation:** The switch is unable to program new tunnel entries due to insufficient TTL index hardware resources.

**Recommended Action:** Configure your network to have new tunnel entries reusing existing tunnel TTL values configured in the switch.

**ROUTING\_TUNNEL\_TTL\_RESOURCE\_NORMAL:** Hardware resources are available to program new tunnel with new TTL values.

**Severity:** Warning

**Explanation:** The switch is able to program new tunnel entries in hardware as TTL index resource is now available.

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

**RTWFQ\_HARDWARE\_ERROR:** Real-time traffic-based WFQ counter feature has experienced an error. Failed to communicate with the hardware module related to the feature.

**Severity:** Error

**Explanation:** An error occurred while configuring hardware module related to the real-time traffic-based WFQ feature.

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

**SCHEDULERGROUP\_HW\_LIMIT\_REACHED:** Shaping configuration for scheduler group %s on interface %s failed. The system is already configured with the maximum number of scheduler groups with shaping supported (%d).

**Severity:** Error

**Explanation:** If shaping is removed on other scheduler groups to address this, it is required to remove and reapply shaping configuration on this scheduler group to take effect.

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

**SERDES\_RESTORED\_TO\_FABRIC:** Serdes %s restored to the switch fabric.

**Severity:** Warning

**Explanation:** A fabric serdes has been brought back online.

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

**SERDES\_WITHDRAWN\_FROM\_FABRIC:** Serdes %s withdrawn from the switch fabric.

**Severity:** Warning

**Explanation:** A fabric serdes has been taken offline due to persistent serdes errors.

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

**SSO\_NOT\_SUPPORTED:** Redundancy protocol SSO for card %s is not supported in this software version.

**Severity:** Error

**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.

**SUBINTF\_HW\_RESOURCE\_EXHAUSTED:** Scheduling configuration on interface %s failed due to lack of queuing hardware resources.

**Severity:** Error

**Explanation:** Hardware limit of flows on Fap%s.Core%d has reached.

**Recommended Action:** A parent interface on another fap or other core of this fap can be used to create more sub interfaces.

**SUBINTF\_SHAPING\_HW\_LIMIT\_REACHED:** Scheduling configuration on interface %s failed. The system is already configured with the maximum number of subinterfaces with scheduling supported (%d).

**Severity:** Error

**Explanation:** If shaping is removed on other subinterfaces to address this, it is required to remove and reapply shaping configuration on this sub interface to take effect.

**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.

**TCAM\_VLAN\_EDIT\_DISABLED:** TCAM vlan editing disabled with one or more entries present.

**Severity:** Error

**Explanation:** Traffic forwarding through patch panel connections may be broken until vlan editing is enabled in the TCAM profile.

**Recommended Action:** Configure TCAM vlan editing to resume service.

**TRAP\_HW\_RESOURCE\_FULL:** The trap configuration for %s was not programmed and will not function correctly. The number of features using traps is limited to %d, and the following features are using traps: %s.

**Severity:** Warning

**Explanation:** Hardware trap resources are exhausted.

**Recommended Action:** Reduce the number of trap consuming features and enable desired features up to the hardware limit.

**TRAP\_HW\_RESOURCE\_NORMAL:** Initialization of trap for features %s succeeded.

**Severity:** Warning

**Explanation:** The feature's traps have been successfully initialized and are operating normally.

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

**UDF\_ACL\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program ACLs with UDF

**Severity:** Error

**Explanation:** The switch is unable to program ACLs featuring UDF due to insufficient hardware resources available in the TCAM.

**Recommended Action:** Reconfigure and reapply your ACLs in the session to reduce the size and/or complexity of the ACLs featuring UDF.

**UDF\_ACL\_HW\_RESOURCE\_NORMAL:** All ACLs with UDF are programmed in hardware

**Severity:** Error

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

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

**UNPROTECTED\_TABLE\_CORRUPTION\_CORRECTED:** Corruption found in %s table %s entry %s. Correction succeeded.

**Severity:** Error

**Explanation:** Memory errors have been detected in hardware and were corrected by software.

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

**UNPROTECTED\_TABLE\_CORRUPTION\_NOT\_CORRECTED:** Corruption found in %s table %s entry %s. The error is uncorrected, as correction attempts are disabled by the switch configuration.

**Severity:** Error

**Explanation:** Memory errors have been detected in hardware and will not be corrected by software because unprotected table repair is disabled

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

**UNPROTECTED\_TABLE\_CORRUPTION\_STUCK:** Corruption found in %s table %s entry %s. Correction attempts failed.

**Severity:** Error

**Explanation:** Memory errors have been detected in hardware and attempts to correct it by software did not succeed.

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

**UNSUPPORTED\_URPF\_MODE:** Ignoring unsupported %s uRPF mode %s on interface %s.

**Severity:** Error

**Explanation:** Configured uRPF mode is not supported on this platform

**Recommended Action:** Remove unsupported uRPF mode from configuration.

**VLAN\_TAG\_TO\_VSI\_MAPPER\_CONFLICT:** VLAN tag/VSI mapper entry conflict for %s and applications %s

**Severity:** Warning

**Explanation:** Multiple applications are unexpectedly trying to install the same entry, the asterisk indicates which application will win.

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

**VNI\_POLICING\_HW\_RESOURCE\_FULL:** Insufficient hardware resources to program %s policing on VNI %s.

**Severity:** Error

**Explanation:** The switch is unable to program VNI policing configuration due to insufficient hardware resources.

**Recommended Action:** Reduce VNI policing rules to free some resources and reapply.

**VNI\_POLICING\_HW\_RESOURCE\_NORMAL:** Programmed %s VNI policing on VNI %s in hardware.

**Severity:** Error

**Explanation:** The switch was able to program VNI policing configuration in the hardware.

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

**VNI\_POLICING\_POLICER\_RESOURCE\_FULL:** Insufficient hardware resources to program police action in %s direction on VNI %s.

**Severity:** Error

**Explanation:** Remove some features using policer banks and reapply VNI policing rule to enable police action.

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

**VPLS\_SPLIT\_HORIZON\_REDUCED\_WITH\_VXLAN:** Hardware resources to implement VPLS split horizon filtering are insufficient to program VPLS PW group %s in instance %s.

**Severity:** Error

**Explanation:** When VXLAN is configured, the switch has reduced hardware resources to implement VPLS split horizon filtering. The switch is unable to program all VPLS entries.

**Recommended Action:** Reconfigure your network to reduce the number of split horizon PW groups in the VPLS instance on the switch, or remove any VXLAN configuration on the switch.

**VPLS\_SPLIT\_HORIZON\_RESOURCE\_FULL:** Hardware resources to implement split horizon filtering are insufficient to program VPLS PW group %s in instance %s

**Severity:** Error

**Explanation:** The switch is unable to program all VPLS entries due to insufficient hardware resources to implement split horizon filtering.

**Recommended Action:** Reconfigure your network to reduce the number of split horizon PW groups in the VPLS instance on the switch.

**VPLS\_SPLIT\_HORIZON\_RESOURCE\_NORMAL:** Hardware resources to implement split horizon filtering on VPLS instance %s are recovered.

**Severity:** Error

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

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

**VXLAN\_ROUTE\_IGNORED:** VXLAN routes cannot be programmed in the data path with the current TCAM profile

**Severity:** Info

**Explanation:** Please configure the VXLAN routing TCAM profile using the command: "hardware tcam profile vxlan-routing"

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

**VXLAN\_UNDERLAY\_MULTICAST\_DECAP\_ROUTE\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all underlay VXLAN multicast decap route entries

**Severity:** Error

**Explanation:** The switch is unable to program all underlay VXLAN multicast decap route entries due to insufficient hardware resources available in the TCAM.

**Recommended Action:** Reconfigure your network to reduce the number of underlay VXLAN multicast decap route entries in the switch.

**VXLAN\_UNDERLAY\_MULTICAST\_DECAP\_ROUTE\_HW\_RESOURCE\_NORMAL:** All underlay VXLAN multicast decap route entries are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program all the underlay VXLAN multicast decap route entries in hardware.

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

## 2.134 SANDACL Messages

**LOOP\_PROTECT\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program AristaLoopProtect-Feature entry

**Severity:** Error

**Explanation:** The switch is unable to program AristaLoopProtectFeature ACL due to insufficient hardware resources available in the TCAM.

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

**LOOP\_PROTECT\_UNSUPPORTED:** Loop protect feature not supported on interfaces of %s when AlgoMatch mechanism is enabled.

**Severity:** Error

**Explanation:** Loop protect feature not supported on interfaces with AlgoMatch mechanism enabled.

**Recommended Action:** Loop protect feature will function normally if AlgoMatch mechanism is disabled.

**ROUTED\_PORT\_QOS\_ACL\_SHARING\_MODE\_CHANGE:** QOS ACLs applied on routed ports now share resources with %s ACLs

**Severity:** Info

**Explanation:** QOS ACLs applied on routed ports will be uninstalled and installed again

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

**TCP\_MSS\_CEILING\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program TCP MSS Ceiling Feature

**Severity:** Error

**Explanation:** The switch is unable to program TCP MSS Ceiling due to insufficient hardware resources. TCP MSS Ceiling feature might not work as expected.

**Recommended Action:** Free up some TCAM banks to get TCAM resources to accommodate the TCP MSS Ceiling feature entries

**VLAN\_IPV4\_ACL\_SHARING\_MODE\_CHANGE:** Change in resource sharing behavior for IPv4 ACLs applied on VLAN interfaces

**Severity:** Info

**Explanation:** SandAcl agent will restart to share/unshare ACL hardware resources attached across multiple VLAN interfaces

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

**VXLAN\_ARP\_SNOOP\_ACL\_RESOURCE\_FULL:** The switch is unable to program the ARP snooping ACL in VXLAN context. Related features such as ARP suppression, proxying, etc. will not

**Severity:** Error

**Explanation:** function as expected Free up some TCAM banks or ACLs to get TCAM resources to accommodate the ARP snooping ACL

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

**VXLAN\_DHCP\_SUPPRESSION\_RULE\_NOT\_INSTALLED:** Rules to suppress VXLAN tunneled DHCP requests cannot be programmed as key field forwarding-type or vxlan-inner-ip-udp-dport is not there in feature tunnel vxlan

**Severity:** Error

**Explanation:** The switch is unable to program TCAM rules that suppress the VXLAN tunneled DHCP requests

**Recommended Action:** Add forwarding-type and vxlan-inner-ip-udp-dport as a key field to feature tunnel vxlan in the TCAM profile configuration

**VXLAN\_EVPN\_MULTI\_HOMING\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all multi-homing ethernet segments in VXLAN EVPN multi-homing context.

**Severity:** Error

**Explanation:** The switch is unable to successfully configure all active multi-homing ethernet segments. Related features such as VXLAN EVPN multi-homing will not function as expected.

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

---

**VXLAN\_EVPN\_MULTI\_HOMING\_HW\_RESOURCE\_NORMAL:** Hardware resources are sufficient to program all multi-homing ethernet segments in VXLAN EVPN multi-homing context.

**Severity:** Error

**Explanation:** The switch is able to successfully configure all active multi-homing ethernet segments. Related features such as VXLAN EVPN multi-homing will function as expected.

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

**VXLAN\_EVPN\_MULTI\_HOMING\_TCAM\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program TCAM rules for all ethernet segments in VXLAN EVPN multi-homing context

**Severity:** Error

**Explanation:** The switch is unable to program TCAM rules for all ethernet segments. Related features such as VXLAN EVPN multi-homing will not function as expected.

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

**VXLAN\_EVPN\_MULTI\_HOMING\_TCAM\_HW\_RESOURCE\_NORMAL:** Hardware resources are sufficient to program TCAM rules for all ethernet segments in VXLAN EVPN multi-homing context

**Severity:** Error

**Explanation:** The switch is able to program TCAM rules for all ethernet segments. Related features such as VXLAN EVPN multi-homing will function as expected.

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

**VXLAN\_VARP\_MAC\_SNOOP\_ACL\_RESOURCE\_FULL:** The switch is unable to program the VARP MAC snooping ACL to properly encapsulate packets with source mac address as VARP MAC address due to insufficient TCAM resources in hardware. Vxlan routing with VARP will not

**Severity:** Error

**Explanation:** function as expectedFree up some TCAM banks or ACLs to get TCAM resources to accommodate the VARP MAC ACL

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

## 2.135 SANDIPSEC Messages

**TUNNEL\_RESOURCE:** Unable to program fragmentation MTU in TCAM for %s.

**Severity:** Warning

**Explanation:** Unable to fit entry in hardware TCAM resources.

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

## 2.136 SANDMACT Messages

**LEARN\_LIMIT\_LIMITED:** The configured MAC learning limit %d exceeded the max allowed limit %d (90%% of LEM table capacity). The learning limit has been set to %d.

**Severity:** Info

**Explanation:** The MAC learning limit is limited to 90% of the LEM table capacity to ensure performance and stability.

**Recommended Action:** No action required.

**VERIFY\_FAIL\_FDBSTATUS:** SandMact Verify failed: Inconsistent FdbStatus table entry: mac address %s in Vlan %d

**Severity:** Error

**Explanation:** FdbStatus Table and Shadow Table maintain the mac table entries in the system. These two tables going out-of-sync shows an inconsistent state of the system

**Recommended Action:** If the inconsistency lasts over a longer period, the Audit should kick in and rectify the inconsistencies

**VERIFY\_FAIL\_SHADOW:** SandMact Verify failed: Inconsistent SandMact-Shadow table entry: mac address %s in Vlan %d

**Severity:** Error

**Explanation:** FdbStatus Table and Shadow Table maintain the mac table entries in the system. These two tables going out-of-sync shows an inconsistent state of the system

**Recommended Action:** If the inconsistency lasts over a longer period, the Audit should kick in and rectify the inconsistencies

## 2.137 SANDOAM Messages

**SAT\_FLOW\_LIMIT\_REACHED:** Test flow for interface %s on fap %d can not be started because it exceeds maximum number of supported flows %d

**Severity:** Warning

**Explanation:** The new test flows will not be started until the number of active flows is no longer at limit

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

## 2.138 SECUREBOOT Messages

**CERT\_LOAD\_FAIL:** Secure boot certificate loader failed to load the following certificate: %s

**Severity:** Error

**Explanation:** Secure boot certificate load failed and no further attempt will be made to load it. This error may impact verification steps of newly installed images.

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

**STATE\_LOAD\_FAIL:** Secure boot data fetch failed.

**Severity:** Error

**Explanation:** Secure boot data fetch failed and no further attempt will be made to load it. This error may impact information reporting and correct behavior of the feature.

**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.

## 2.139 SECURITY Messages

**ARP\_PACKET\_DROPPED:** Dropped ARP packet on interface %s Vlan %s because %s. Received: %s!%s.

**Severity:** Warning

**Explanation:** ARP inspection dropped an ARP packet because it did not match an entry in the source binding database.

**Recommended Action:** Determine why the bad ARP packet was sent and correct the issue.

**ARP\_RATE\_EXCEEDED:** Exceeded ARP warning rate on %s

**Severity:** Warning

**Explanation:** The switch received enough ARP packets to trigger this warning. This can cause the port to become errdisabled depending on configuration. ARP packets may also be delayed in processing by the CPU.

**Recommended Action:** Determine why so many ARP packets are being sent and slow the rate to acceptable levels.

**BOARD\_VALIDATION\_FAILED:** Failed to validate the %s as coming from Arista

**Severity:** Error

**Explanation:** Failed to validate the expected cryptographic elements on the board that Arista adds during device creation

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

**COMMON\_ENCRYPTION\_KEY\_ERROR:** Unable to retrieve the customized common encryption key due to: %s

**Severity:** Error

**Explanation:** Unable to retrieve the customized common encryption key on the device when installing the startup-config. It might impact features using type 7 or 8a encrypted secrets due to the encryption key missing

**Recommended Action:** Verify the customized common key has been stored on the device before load the startup-config

**HW\_ENTROPY\_ERROR:** Hardware entropy generation is encountering errors: %s

**Severity:** Error

**Explanation:** Hardware entropy generation is experiencing problems. The SECURITY\_HW\_ENTROPY\_RECOVER message will be logged when hardware entropy generation is functioning properly.

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

**HW\_ENTROPY\_FAILED:** Hardware entropy generation failed due to prolonged communication failure with the hardware entropy source.

**Severity:** Error

**Explanation:** Hardware entropy generation failed and no further attempts will be made to communicate with the hardware entropy source.

**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.

**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.

**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.

**IPSG\_HW\_RESOURCE\_FULL:** Ingress TCAM resources are insufficient to program IP source guard entries %s

**Severity:** Error

**Explanation:** The switch is unable to program IP source guard entries due to insufficient ingress TCAM resources. As a result, IP traffic is not properly filtered %s

**Recommended Action:** Free up some ingress TCAM resources for IP source guard. One or more of the following steps might be helpful: 1. Remove unused IP source binding entries. 2. Reconfigure other features that use ingress TCAMs.

**IPSG\_HW\_RESOURCE\_RECOVERED:** TCAM resource on unit %d is available

**Severity:** Error

**Explanation:** The switch was able to install IP source guard entries to the ingress TCAM.

**Recommended Action:** IP source guard configuration on unit %d works in hardware.

**SECRET\_DECRYPT\_ERROR:** Encrypted text '%s' failed to be decrypt with algorithm %s

**Severity:** Error

**Explanation:** Unable to decrypt secret ciphertext encrypted with specified encryption algorithm

**Recommended Action:** Please make sure the secret is encrypted with specified encryption algorithm using the same encryption key in the system and not tampered with.

**SEGMENTATION\_INVALID\_PREFIX:** Invalid prefix (%s) configuration

**Severity:** Error

**Explanation:** Switch has skipped processing invalid/unsupported prefix

**Recommended Action:**

**SEGMENTATION\_POLICY\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to enforce policy

**Severity:** Error

**Explanation:** The switch is unable to program the policy rules due to TCAM resource exhaustion.

**Recommended Action:** Reconfigure the system to free up TCAM resources before configuring Segment Security

**SEGMENTATION\_POLICY\_HW\_RESOURCE\_NORMAL:** Hardware resources are available to enforce policy

**Severity:** Error

**Explanation:** The switch was able to program the policy rules in TCAM.

**Recommended Action:**

**SEGMENTATION\_URPF\_CONFIGURATION\_CONFLICT:** Segment Security feature disabled because of conflicting URPF configuration

**Severity:** Error

**Explanation:** URPF and Segment Security can not be configured at same time. URPF configuration has been applied.

**Recommended Action:** Reconfigure the system to remove one of the conflicting features

**SESSION\_IDLE\_TIMEOUT:** Session for user %s on service %s terminated due to idle timeout.

**Severity:** Info

**Explanation:** The user exceeded the idle timeout configured for that service. The user's session was terminated as a result.

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

**SSH\_CERT\_FILE\_WARNING:** Issue found with one or more SSH files: %s

**Severity:** Warning

**Explanation:** The SSH files may contain invalid keys, or conflicting host certificates with the same key type may have been configured. The files may also not exist. Until the files are fixed, passwordless authentication or host key checking may not work as expected.

**Recommended Action:** Check the files to make sure the contents are correct.

**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 its 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.

**SSL\_DIFFIE\_HELLMAN\_PARAMETERS\_INIT\_FAILED:** Initializing SSL Diffie-Hellman parameters failed. Try 'reset ssl diffie-hellman parameters' to recover

**Severity:** Error

**Explanation:** Attempt to initialize SSL Diffie-Hellman parameters has failed.

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

**SSL\_DIFFIE\_HELLMAN\_PARAMETERS\_RESET\_FAILED:** Resetting SSL Diffie-Hellman parameters failed. Existing parameters will be used

**Severity:** Error

**Explanation:** Attempt to reset SSL Diffie-Hellman parameters has failed. Existing Diffie-Hellman parameters will be used.

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

**SSL\_KEY\_CERT\_CREATED:** SSL %s %s has been created with the %s hash of %s%s.

**Severity:** Info

**Explanation:** The SSL private key, certificate or certificate signing request has been created. This can happen when a SSL private key or certificate is generated in the system.

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

**SSL\_KEY\_CERT\_DELETED:** SSL %s %s has been deleted with the previous %s hash of %s%s.

**Severity:** Info

**Explanation:** The SSL private key, certificate or certificate signing has been deleted. This can happen when a SSL private key or certificate is deleted from the system.

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

**SSL\_KEY\_CERT\_IMPORTED:** SSL %s %s has been imported with the %s hash of %s%s.

**Severity:** Info

**Explanation:** The SSL private key or certificate has been imported. This can happen when a SSL private key or certificate is installed in the system.

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

**SSL\_KEY\_CERT\_UPDATED:** SSL %s %s has been updated with the %s hash of %s%s from %s.

**Severity:** Info

**Explanation:** The SSL private key, certificate or certificate signing request has been updated. This can happen when an existing SSL private key or certificate is updated in the system.

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

**SSL\_PROFILE\_FEATURE\_UNSUPPORTED:** SSL profile '%s' has '%s' configured which is not supported by the '%s' agent.

**Severity:** Warning

**Explanation:** The agent is configured to use an SSL profile whose feature-set it does not fully support.

**Recommended Action:** Reset the unsupported feature in the SSL profile or create a new profile without the feature for use by the agent.

**SSL\_PROFILE\_INVALID:** SSL profile '%s' is invalid. Check 'show management security ssl profile %s' for details

**Severity:** Error

**Explanation:** The SSL profile is invalid. Possible causes are missing certificate, missing key, mismatch of certificate with the key, expired or not yet valid certificate and non root certificate in the trusted list.

**Recommended Action:** Check 'show management security ssl profile' command and fix the errors reported under 'Error' column.

**SSL\_PROFILE\_VALID:** SSL profile '%s' is valid

**Severity:** Info

**Explanation:** The SSL profile is valid.

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

## 2.140 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.

## 2.141 SERVERPROBE Messages

**SERVER\_STATUS\_CHANGE:** Probe status of %s server '%s' port %d changed to %s

**Severity:** Notice

**Explanation:** The probe status of a server (up/down) has been changed.If a server is down, 802.1X authentication requests shall no longer be sent to it.

**Recommended Action:** Check the availability and reachability of the server

## 2.142 SFE Messages

**CORE\_SUSTAINED\_BUSY:** Software Data Plane Forwarding service is experiencing heavy load as it has been%d percent busy over last %d seconds

**Severity:** Warning

**Explanation:** Periodic load monitoring found that service was busy beyond expected threshold.

**Recommended Action:** Please consider increasing the capacity of your vEOS instance to handle current load conditions.

**DISABLE\_SERVICE:** Software Data Plane Forwarding service is not running properly as it failed %s times in last %s minutes. System entering into fail-safe debug mode

**Severity:** Emergency

**Explanation:** Periodic health monitoring found that the said service was not running and attempt to restart it failed multiple times.

**Recommended Action:** Please contact Arista for technical support with all the logs

**DPS\_PATH\_STATE:** The state of DPS path index %n from %a to %a (path group %s, peer %a) has changed to %s.

**Severity:** Info

**Explanation:** The named path state has changed

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

**DPS\_VNI\_OUT\_OF\_RANGE:** VNI %n configured for dynamic path selection VRF %s is out of range.

**Severity:** Warning

**Explanation:** The dynamic path selection is inactive on this VRF.

**Recommended Action:** Configure a VNI between 1 and 255.

**FIPS\_RESTART:** Restarting Software Forwarding Engine(Sfe) agent for %s restrictions

**Severity:** Info

**Explanation:** Sfe agent needs to restart if the FIPS restrictions are changed

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

**PATH\_ACTIVE:** Group %s path %a to %a (ID:%n) to peer %s is active for traffic class %u.

**Severity:** Info

**Explanation:** The named path is active. Traffic is able to pass through.

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

**PATH\_INACTIVE:** Group %s path %a to %a (ID:%n) to peer %s is inactive for traffic class %u.

**Severity:** Info

**Explanation:** The named path is inactive. Traffic is not able to pass through.

**Recommended Action:** To make this path active again, restore connectivity to the peer via this path.

**ROUTECACHE\_SUBINTF\_UNSUPPORTED:** The software forwarding engine does not support encapsulating VXLAN packets and sending them to an underlay egress subinterface. This may cause packets to be dropped.

**Severity:** Warning

**Explanation:** The software forwarding engine does not support encapsulating VXLAN packets and sending them to an underlay egress subinterface. This may cause packets to be dropped.

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

## 2.143 SFLOW Messages

**FPGA\_CRC\_ERROR:** %s detected CRC correctable error

**Severity:** Warning

**Explanation:** Some Sflow samples may be missed

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

**FPGA\_PARITY\_ERROR:** Software detected a parity error in %s

**Severity:** Warning

**Explanation:** Sflow fpga reported parity error during memory read

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

**FPGA\_UNCORRECTABLE\_CRC\_ERROR:** %s detected Uncorrectable CRC Error

**Severity:** Error

**Explanation:** Reboot or reset linecard

**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.

**HARDWARE\_COLLECTOR\_UDP\_PORT\_LIMIT\_EXCEEDED:** Sflow collector %s in VRF %s is inactive, because it exceeds the maximum supported number of unique UDP ports %d.

**Severity:** Warning

**Explanation:** When the maximum supported number of unique collector's UDP ports is exceeded, newly added sflow collector config is not programmed into hardware.

**Recommended Action:** Reduce the number of unique collector's UDP ports.

**HARDWARE\_FALLBACK\_TO\_SOFTWARE:** Switching from hardware-accelerated to software sFlow because %s

**Severity:** Info

**Explanation:** The system is falling back to software sFlow because hardware-accelerated sFlow is incompatible with the current configuration.

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

**HARDWARE\_FEATURE\_NEEDS\_RESTART:** Need a system restart to activate hardware-accelerated sFlow feature: %s

**Severity:** Info

**Explanation:** The configured sFlow extension requires a system restart to take effect with hardware-accelerated sFlow.

**Recommended Action:** Restart the system

**HARDWARE\_OUTPUT\_SUBINTF\_UNSUPPORTED:** Hardware-accelerated sFlow does not support output subinterfaces on systems containing 7500E Series linecards

**Severity:** Warning

**Explanation:** On systems with 7500E Series linecards, output ports in hardware-accelerated sFlow datagrams will be shown as the parent interface's index rather than the subinterface's index.

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

**HARDWARE\_RESOURCE\_FULL:** Hardware resources are insufficient to program all entries in '%s' table.

**Severity:** Warning

**Explanation:** The switch is unable to program one or more entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure SubInterfaces to reduce the number of entries in the switch.

**HARDWARE\_RESOURCE\_NORMAL:** All sFlow entries are programmed in hardware '%s' table.

**Severity:** Info

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

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

**HARDWARE\_TOO\_MANY\_COLLECTORS:** Too many sFlow collectors (configured %d, max: %d)

**Severity:** Warning

**Explanation:** The number of configured sFlow collectors exceeds the number of supported collectors for accelerated sFlow. Some collectors will be ignored.

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

**HARDWARE\_UNSUPPORTED\_FEATURE:** Ignoring unsupported feature with hardware-accelerated sFlow: %s

**Severity:** Info

**Explanation:** The configured sFlow extension or advanced capability is not supported with hardware-accelerated sFlow and will only take effect with software sFlow.

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

**NETLINK\_ERROR:** Sflow netlink has encountered an error: %s

**Severity:** Error

**Explanation:** Sflow netlink has encountered an error.

**Recommended Action:** Sflow netlink has encountered an error.

## 2.144 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 bpd: blocking interface (bridge mac %s port id %d%s)

**Severity:** Warning

**Explanation:** The given interface received a bpd that it transmitted. To prevent a spanning tree loop from developing, the switch blocks the interface.

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

**INTERFACE\_SELF\_LOOP\_CLEARED:** Interface %s has stopped receiving its own bpd: recovering interface.(bridge mac %s port id %d%s)

**Severity:** Info

**Explanation:** The given interface has stopped receiving a bpd that it transmitted. It is no longer self looped. Switch is recovering the interface.

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

**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 loop guard feature detected a failure to receive BPDU messages from the neighbor on the loop guard enabled interface. The interface is blocked to prevent a potential loop.

**Recommended Action:** Check the neighboring spanning tree bridge to make sure it is configured and working properly. If it is, check to see if the physical connection between the two bridges is properly carrying traffic in both directions.

**LOOPGUARD\_CONFIG\_CHANGE:** Loop guard %s on port %s.

**Severity:** Info

**Explanation:** The spanning tree loop guard feature was enabled or disabled on the given interface.

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

**LOOPGUARD\_UNBLOCK:** Loop guard unblocking port %s on %s

**Severity:** Warning

**Explanation:** The spanning tree loop guard feature detected a return to receiving BPDU messages from the neighbor on the loop guard enabled interface where it had previously detected a problem. The interface is unblocked.

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

**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.

**MSTPVST\_BORDER\_CLEARED:** Cleared MST-PVST border on %s

**Severity:** Info

**Explanation:** The given interface is no longer a border port facing PVST region.

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

**MSTPVST\_BORDER\_DETECTED:** Detected MST-PVST border on %s

**Severity:** Info

**Explanation:** The given interface is a border port facing a PVST region.

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

**MSTPVST\_BORDER\_INCONSISTENT\_ENTER:** Interface %s is entering the PVST inconsistent state

**Severity:** Warning

**Explanation:** The given interface is a border port facing PVST region. However, the interface is receiving PVST BPDUs with inconsistent root information so it has been set to inconsistent to avoid STP loops.

**Recommended Action:** The interface will exit the PVST inconsistent state if it begins receiving PVST BPDUs with consistent root information or interface is connected to MST region or MST-PVST interoperation is disabled.

**MSTPVST\_BORDER\_INCONSISTENT\_EXIT:** Interface %s is exiting the PVST inconsistent state

**Severity:** Warning

**Explanation:** The given interface was previously in PVST inconsistent state in order to avoid STP loops. This state has been cleared, and normal operation has resumed.

**Recommended Action:** The port exited the PVST inconsistent state either because it began receiving PVST BPDUs with consistent root information or interface is connected to MST region or MST-PVST interoperation is disabled.

**MSTP\_REGION\_BORDER\_CLEARED:** MSTP region border cleared on %s

**Severity:** Info

**Explanation:** The given interface is no longer a MSTP border.

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

**MSTP\_REGION\_BORDER\_DETECTED:** MSTP region border detected on %s

**Severity:** Info

**Explanation:** The given interface is a MSTP border facing another region

**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.

**PORT\_ID\_LIMIT\_EXCEEDED:** STP port ID allocation exceeds maximum limit of %d with %d-%d reserved for port channels

**Severity:** Error

**Explanation:** Some interfaces do not have port IDs allocated because the number of unreserved port IDs is not enough

**Recommended Action:** Determine that numbers of configured interfaces are within the reserved and unreserved port ID limits

**PORT\_ID\_LIMIT\_EXCEEDED\_RECOVERY:** STP port ID allocation recovered from maximum limit exceeded

**Severity:** Info

**Explanation:** Port IDs are available to be assigned to all interfaces.

**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:** The spanning tree root guard feature detected a failure. The bridge received a superior BPDU on the root guard enabled interface. The interface is blocked to prevent use of an improper root bridge in the network.

**Recommended Action:** Check the neighboring spanning tree bridge to make sure it is configured and working properly.

**ROOTGUARD\_CONFIG\_CHANGE:** Root guard %s on port %s.

**Severity:** Info

**Explanation:** The spanning tree root guard feature was enabled or disabled on the given interface.

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

**ROOTGUARD\_UNBLOCK:** Root guard unblocking port %s on %s

**Severity:** Warning

**Explanation:** The spanning tree root guard feature detected the restoration of proper, inferior BPDUs being received on the root guard enabled interface. The interface is unblocked.

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

**RXDOT1QPKT:** A non-standard IEEE BPDU packet was received and discarded on interface %s (source mac %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 <x>' 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 <x>' command

**STABLE\_CHANGE:** Stp state is now %s

**Severity:** Info

**Explanation:** Spanning tree topology transitioned from/to a stable state. If it is currently unstable, then STP reconvergence will occur if the Stp agent restarts, or if MLAG failover occurs, or if stateful supervisor switchover occurs.

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

**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.

## 2.145 SRP2MP Messages

**REPLICATION\_SEGMENT\_CONFLICT\_RSID\_IN\_USE:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: Replication SID(%u) is already present and conflicts with the new replication segment

**Severity:** Warning

**Explanation:** The replication segment received has the same replication SID as an existing replication segment

**Recommended Action:** Replication SIDs need to be unique across all replication segments.

**REPLICATION\_SEGMENT\_INVALID\_NO\_SEGMENT\_LISTS:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: Replication segment does not have a segment list

**Severity:** Warning

**Explanation:** The replication segment is unusable as it does not have a segment list

**Recommended Action:** The configuration needs to be changed so that the replication segment has at least one segment list.

**REPLICATION\_SEGMENT\_INVALID\_RSID\_IN\_USE\_OTHER\_APPLICATION:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: Replication SID(%u) already in use by another application

**Severity:** Warning

**Explanation:** The replication segment is unusable as the replication SID is used by another application

**Recommended Action:** The configuration needs to be changed so that the replication SID is unique across all users of the SRLB range.

**REPLICATION\_SEGMENT\_INVALID\_RSID\_MISSING:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: Replication segment does not have a replication SID

**Severity:** Warning

**Explanation:** The replication segment is unusable as it does not have a replication SID

**Recommended Action:** The configuration needs to be changed so that the replication segment has a replication SID.

**REPLICATION\_SEGMENT\_INVALID\_RSID\_OUT\_OF\_RANGE:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: Replication SID(%u) is outside the range [%u, %u]

**Severity:** Warning

**Explanation:** The replication SID in the replication segment is not within the configured SRLB range

**Recommended Action:** The configuration needs to be changed so that the replication SID is within the allowed SRLB range.

**REPLICATION\_SEGMENT\_LABEL\_STACK\_SIZE\_EXCEEDED:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: The number of labels in segment list (%u) exceeds the maximum supported (%u)

**Severity:** Warning

**Explanation:** The configured replication segment contains more than one label in the segment list

**Recommended Action:** The replication segment needs to be modified such that the configured labels in segment list contains only one label.

**REPLICATION\_SEGMENT\_SEGMENT\_LISTS\_EXCEEDED:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s is unusable: Number of segment lists(%u) exceeds the maximum supported(%u)

**Severity:** Warning

**Explanation:** The configured replication segment contains more than the maximum supported segment lists

**Recommended Action:** The replication segment needs to be modified such that the configured segment list contains less than or equal to the maximum supported segment lists.

**REPLICATION\_SEGMENT\_SEGMENT\_LIST\_NO\_LABEL:** The replication segment identified by protocol %s, root address %s, tree ID %u, instance ID %u, replication ID %u, node address %s segment list is unusable: Segment list has no label

**Severity:** Warning

**Explanation:** The segment list is unusable as it does not have a label

**Recommended Action:** The configuration needs to be changed so that the segment list has at least one label.

## 2.146 SRTE Messages

**POLICY\_CONFLICT\_BSID\_IN\_USE:** Endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u is unusable, BSID(%u) already present, conflicts with Endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u

**Severity:** Warning

**Explanation:** Policy received has the same Binding SID as an existing policy

**Recommended Action:** Binding SID needs to be unique across all policies

**POLICY\_INVALID\_BSID\_IN\_USE\_OTHER\_APPLICATION:** Endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u is unusable: BSID(%u) already in use by another application

**Severity:** Warning

**Explanation:** Policy is unusable as binding SID is used by another application

**Recommended Action:** The configuration needs to be changed so that Binding SID is unique across all users of SRLB range

**POLICY\_INVALID\_BSID\_MISSING:** Endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u is unusable

**Severity:** Warning

**Explanation:** Policy is unusable as it does not have a binding SID

**Recommended Action:** The configuration needs to be changed so that policy has a Binding SID

**POLICY\_INVALID\_BSID\_OUT\_OF\_RANGE:** Endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u is unusable: BSID(%u) is outside SRLB [%u, %u]

**Severity:** Warning

**Explanation:** BSID in policy is not within the configured SRLB range

**Recommended Action:** The configuration needs to be changed so that the BSID is within the allowed SRLB range

**POLICY\_INVALID\_NO\_SEGMENT\_LISTS:** Endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u is unusable

**Severity:** Warning

**Explanation:** Policy is unusable as it does not have a segment-list

**Recommended Action:** The configuration needs to be changed so that policy has at least one segment list

**POLICY\_SEGMENT\_LISTS\_EXCEEDED:** Number of segment lists(%u) in candidate path with endpoint %s, color %u, protocol %s, originator %s(AS%u), discriminator %u exceeds the maximum supported(%u)

**Severity:** Warning

**Explanation:** Configured candidate path contains more than maximum supported segment lists

**Recommended Action:** Candidate path needs to be modified such that the received segment list contains less than equal to maximum supported segment lists

**RESOLVED\_SEGMENT\_LIST\_BACKUP\_EXCEEDS\_MSD:** Resolved segment list (ID %u) for the backup path exceeds the maximum supported hardware label push stack depth (%u), was configured with labels %s

**Severity:** Warning

**Explanation:** Backup path of Segment list post resolution of the top label exceeds the maximum SID depth of the platform's hardware.

**Recommended Action:** The configuration needs to be changed such that the segment list after resolution of the top label does not exceed the platform's MSD

**RESOLVED\_SEGMENT\_LIST\_INVALID\_EXCEEDS\_MSD:** Resolved segment list (ID %u) exceeds maximum supported hardware label push stack depth (%u), was configured with labels %s

**Severity:** Warning

**Explanation:** Segment list post resolution of the top label exceeds the maximum SID depth of the platform's hardware.

**Recommended Action:** The configuration needs to be changed such that the segment list after resolution of the top label does not exceed the platform's MSD

## 2.147 SRV6 Messages

**LOCATOR\_SID\_FUNCTION\_EXHAUSTION:** %s ran out of SRv6 SID functions for locator '%s' in the '%s' range

**Severity:** Error

**Explanation:** A request for a local SID was processed when the range is fully allocated.

**Recommended Action:** Please increase the configured size of the locator's SID function range and contact your support representative if the problem persists.

**LOCATOR\_SID\_FUNCTION\_USE\_NORMAL:** %s's SRv6 SID function usage for locator '%s' in the '%s' range is back to normal.

**Severity:** Error

**Explanation:** An SRv6 SID function range that had been exhausted has obtained available functions.

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

## 2.148 SSO Messages

**DATA\_CHECKSUM\_ERROR:** SSO hardware shadow memory on standby does not match active for %s

**Severity:** Info

**Explanation:** SSO software will take corrective action

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

## 2.149 STAGEMGR Messages

**FATAL\_ERROR\_REBOOT\_REQUEST:** Agent %s encountered a fatal error. The system will restart now. (%s)

**Severity:** Error

**Explanation:** One or more agents has encountered a problem. The system will now save diagnostic information and do a normal reload to fix the problem.

**Recommended Action:** The system has generated diagnostic information to help pinpoint the failure. Please contact your technical support representative to find out how to send this information to Arista.

**GLOBAL\_STAGE\_COMPLETION\_TIMEOUT:** Global stage progression did not complete after %s secs.

**Severity:** Error

**Explanation:** Stage progression took longer than the global timeout limit, rebooting system to proceed.

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

**PERSISTENT\_RESTART\_LOG\_REQUEST:** Agent %s encountered a non-fatal error prior to reload. (%s)

**Severity:** Warning

**Explanation:** An agent encountered a problem prior to restarting the system.

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

**STAGE\_COMPLETE\_AFTER\_TIMEOUT:** %s resumed after stage %s completed after timeout.

**Severity:** Warning

**Explanation:** A stage 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.

**STAGE\_SLOW:** %s stage %s timed out

**Severity:** Warning

**Explanation:** A stage in progression is taking longer than expected. 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.

## 2.150 STORAGEDEVICE Messages

**IO\_ERROR:** %s (SN:%s Model:%s Firmware:%s) has read or write errors and is unstable.

**Severity:** Error

**Explanation:** Storage device is reporting problems. This could mean faulty hardware or device reaching end of life.

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

**IO\_ERROR\_EXTERNAL\_USB:** USB storage at %s (SN:%s Model:%s Firmware:%s) appears to be faulty.

**Severity:** Error

**Explanation:** Storage device is reporting problems. This could mean faulty hardware.

**Recommended Action:** Please check and replace external USB drive.

**MONITOR\_ERROR:** A test operation (%s) encountered an error on %s (SN:%s Model:%s Firmware:%s): %s

**Severity:** Error

**Explanation:** Monitoring of a storage device experienced an error. This could indicate underlying issues with the physical medium.

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

**MONITOR\_WARNING:** disk utilization on %s (SN:%s Model:%s Firmware:%s) %s

**Severity:** Warning

**Explanation:** Monitoring of a storage device has detected low disk space.

**Recommended Action:** Please archive and delete unnecessary data files on this device.

## 2.151 STORM Messages

**CONTROL\_POLICER\_PROFILE\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program policer profile on interface %s.

**Severity:** Error

**Explanation:** The switch is unable to program the Storm Control feature because all meter profile resources are in use currently.Reduce the number of policers applied on interfaces or reconfigure policers to use fewer policer profiles to free up resources.

**Recommended Action:** Remove and reapply the config on the interfaces after modifications to enable the policing.

**CONTROL\_SUBINTERFACE\_TCAM\_PROFILE\_UNSUPPORTED:** storm-control subinterface feature applied on interface %s is not supported in the TCAM.

**Severity:** Error

**Explanation:** The feature is not supported in the TCAM profile. Check that the feature 'storm-control subintf' is present in the TCAM feature set.

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

## 2.152 STRATA Messages

**ACL\_SLICE\_SHARING\_MODE\_CHANGE:** Change in slice sharing behavior for IPv4, IPv6 behavior

**Severity:** Info

**Explanation:** The forwarding agent will restart to share/unshare slice for ACL

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

**AGENT\_RESTART:** Strata agent requires to be restarted due to an unrecoverable exception, %s

**Severity:** Error

**Explanation:** An exception has occurred on the switch. StrataAgent will be restarted.

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

**CONFIG\_CHANGE:** Configuration change requires the Strata agent %s to restart

**Severity:** Info

**Explanation:** Configuration change requires the switch ASIC to be reconfigured, requiring the Strata agent to restart.

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

**COPROCESSOR\_STUCK:** Detected coprocessor stuck %s

**Severity:** Error

**Explanation:** A fatal error affecting hardware programming occurred in a Strata switching ASIC. The Strata agent will restart in order to recover from this error.

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

**CUT\_THROUGH\_MODE\_DISABLE:** Cut-through forwarding mode is being disabled because one or more cards that does not support cut-through has been detected.

**Severity:** Warning

**Explanation:** Cut-through forwarding mode is only enabled when all the line cards and fabric cards in the system support the cut-through feature.

**Recommended Action:** To re-enable cut-through forwarding mode, replace the cards that don't have the feature supported

**CUT\_THROUGH\_MODE\_ENABLE:** Cut-through forwarding mode is now enabled

**Severity:** Warning

**Explanation:** Cut-through forwarding mode is only enabled when all the line cards and fabric cards in the system support the cut-through feature.

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

**DIRECTED\_BROADCAST\_HW\_PROGRAMMING\_ERROR:** Timeout/Unknown failure happened while programming directed broadcast rules in hardware.

**Severity:** Error

**Explanation:** The switch is unable to program all directed broadcast rules due to atimeout/unknown failure during hardware programming in the TCAM.

**Recommended Action:** Try disabling and enabling directed broadcast or check for the forwarding agent(s) to be running or reconfigure directed broadcast rules to reduce the size and then reapply the directed broadcast configuration.

**DIRECTED\_BROADCAST\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all directed broadcast rules.

**Severity:** Error

**Explanation:** The switch is unable to program all directed broadcast rules due to insufficient hardware resources available in the TCAM.

**Recommended Action:** Reconfigure directed broadcast rules to reduce the size and/or reconfigure other features using TCAM hardware resources to reduce their usage and then reapply the broadcast configuration.

**DIRECTED\_BROADCAST\_PROGRAMMING\_NORMAL:** All directed broadcast rules programmed successfully in hardware.

**Severity:** Error

**Explanation:** The switch was able to program all directed broadcast rules in the hardware.

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

**DLB\_ECMP\_GROUPS\_FULL:** Hardware has run out of DLB IDs to assign to the ECMP nexthop groups

**Severity:** Warning

**Explanation:** The switch is unable to assign DLB IDs to the ECMP nexthop groups due to insufficient hardware resources. As a result, dynamic load balancing will not be enabled on the rest of the ECMP nexthop groups.

**Recommended Action:** Please disable DLB on a few ECMP nexthop groups to allow for DLB on other ECMP nexthop groups.

**DLB\_ECMP\_GROUPS\_NORMAL:** Hardware resources are available to assign DLB IDs to the ECMP nexthop groups

**Severity:** Warning

**Explanation:** The switch was able to assign DLB IDs to all the configured ECMP nexthop groups.

**Recommended Action:**

**DLB\_ECMP\_MEMBERS\_EXCEEDED\_MAX\_LIMIT:** This ECMP nexthop group has more member nexthops than the maximum allowed for supporting DLB

**Severity:** Error

**Explanation:** Load will not be balanced across all member nexthops

**Recommended Action:** Please reduce the number of member nexthops for this ECMP group to allow DLB to function properly

**DLB\_LAG\_GROUPS\_FULL:** Hardware has run out of DLB IDs to assign to the LAG group

**Severity:** Warning

**Explanation:** The switch is unable to assign DLB IDs to the LAG group due to insufficient hardware resources. As a result, dynamic load balancing will not be enabled on the rest of the LAG group.

**Recommended Action:**

**DLB\_LAG\_GROUPS\_NORMAL:** Hardware resources are available to assign DLB IDs to the LAG groups

**Severity:** Warning

**Explanation:** The switch was able to assign DLB IDs to all the configured LAG groups

**Recommended Action:**

**ECMP\_GROUP\_TABLE\_PARITY\_ERROR\_RECOVERY\_FAILED:** Failed to reconstruct entryId %d in initialL3EcmpGroupTbl/l3EcmpGroupTbl

**Severity:** Error

**Explanation:** due to parity error in both of the tables.

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

**ECMP\_TABLE\_PARITY\_ERROR\_RECOVERY\_FAILED:** Failed to reconstruct entryId %d in initialL3EcmpTbl/l3EcmpTbl

**Severity:** Error

**Explanation:** due to parity error in both of the tables.

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

**EGRESS\_IP\_BYTE\_COUNTER\_TCAM\_FULL:** Programming Egress IP byte counters failed

**Severity:** Error

**Explanation:** The switch cannot enable IP byte counters due to insufficient egress TCAM resources.

**Recommended Action:** Reconfigure other features that use egress TCAMs to free up resources

**EGRESS\_VLAN\_DF\_FULL:** Hardware resources are insufficient to program direct flow with opaqueId %d in egress vlan translate table

**Severity:** Error

**Explanation:** The switch is unable to program all Direct Flow rules due to insufficient hardware resources.

**Recommended Action:** The platform supports up to 4k egress Direct Flows

**EGRESS\_VLAN\_TRANSLATION\_FULL:** Hardware resources are insufficient to program all egress VLAN translation operations (%s, %d, %s, %d)

**Severity:** Error

**Explanation:** The switch is unable to program all egress VLAN translations due to insufficient hardware resources.

**Recommended Action:** The platform supports egress VLAN translation only upto 127 ports per chip

**EGRESS\_VLAN\_TRANSLATION\_IFA\_FULL:** Hardware resources are insufficient to add %s

**Severity:** Error

**Explanation:** The specified entry could not be programmed due to insufficient hardware resources

**Recommended Action:** Reconfigure the network to reduce the number of entries in the hardware

**EGRESS\_VLAN\_TRANSLATION\_NAT\_FULL:** Hardware resources are insufficient to program all Network Address Translation operations (%s)

**Severity:** Error

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

**Recommended Action:** The platform supports egress VLAN translation only upto 127 ports per chip

**EGR\_L3\_NH\_MAC\_DA\_PROFILE\_TABLE\_FULL:** Hardware resources are insufficient to add an EGR\_L3\_NH adjacency for %s

**Severity:** Error

**Explanation:** The switch is unable to create a destination MAC profile for VXLAN HER entry due to insufficient hardware resources. Traffic forwarding will not happen to this MAC address.

**Recommended Action:** Reconfigure your network to use lesser number of downlink vxlan core ports or have Arp entry to remote vtep be learnt on an interface .

**EVPN\_ETREE\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add EVPN E-Tree VLAN %s rule.

**Severity:** Error

**Explanation:** The switch is unable to program TCAM entries needed for EVPN E-Tree feature.

**Recommended Action:** Reconfigure the system to clear up hardware resources before flapping the EVPN E-Tree role configuration to reprogram TCAM entries.

**EVPN\_ETREE\_TCAM\_RESOURCE\_NORMAL:** Hardware resource recovery from EVPN E-Tree TCAM exhaustion.

**Severity:** Error

**Explanation:** The switch has recovered from TCAM exhaustion. Entries for EVPN E-Tree are able to be installed now.

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

**EXPECTED\_AGENT\_EXIT:** Slice agent will exit and restart because %s.

**Severity:** Info

**Explanation:** Slice agent will exit and restart. All traffic through the forwarding chip managed by the restarting slice agent will be dropped. This behaviour is expected.

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

**FABRIC\_HITLESS\_INIT\_ERR:** An error occurred during hitless initialization of %s (%s)

**Severity:** Error

**Explanation:** During restart of a Strata agent, a best effort is made to hitlessly recover the agent to minimize traffic disruption. Sometimes an error can occur while initializing the fabric agent. The agent reverts to hitfully initializing. This could potentially disrupt traffic while the agent is restarting

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

**FABRIC\_LINK\_ERR\_DISABLED:** Fabric link %s is disabled due to errors %s

**Severity:** Error

**Explanation:** Fabric interface is disabled when its link fails to come up or there are too many flaps

**Recommended Action:** Remove and re-insert linecard or fabric card the impacted fabric link connects to

**FABRIC\_LINK\_FLAP:** Fabric link %s is flapping

**Severity:** Warning

**Explanation:** Link on fabric interface comes up and down while connected to its peer interface

**Recommended Action:** Remove and re-insert linecard or fabric card the impacted fabric link connects to

**FLEXHASHING\_RESOURCE\_FULL:** Hardware resources on %s are insufficient to add all UDF hash entries

**Severity:** Error

**Explanation:** The switch is unable to program UDF hash configuration due to insufficient hardware resources..

**Recommended Action:** Reconfigure your switch to reduce the number of UDF hash configurations.

**FLEXHASHING\_RESOURCE\_NORMAL:** All UDF hash entries on %s are programmed in hardware

**Severity:** Error

**Explanation:** The switch was able to program UDF hash configuration in the hardware.

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

**FLOW\_TRACKER\_COLLECTOR\_RESOURCE\_FULL:** Hardware resources are insufficient to program collectors for %s

**Severity:** Error

**Explanation:** The switch is unable to program flowtracking policy due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of collectors in use on the switch.

**FLOW\_TRACKER\_IFP\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add IFP TCAM entry for flow group %s with monitor session %s.

**Severity:** Error

**Explanation:** The switch is unable to program the new TCAM entry for flow group %s due to the exhaustion of IFP resources.

**Recommended Action:** Reconfigure the system to free up IFP resources before configuring the packet filter on flow group %s.

**HARDWARE\_HOT\_REMOVAL:** Detected hardware hot removal in Strata switching ASIC %s

**Severity:** Info

**Explanation:** A hardware hot removal was detected in a Strata switching ASIC.

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

**HITLESS\_INIT\_INTF\_POSSIBLE\_FLAP:** Link may have flapped on %s while the forwarding agent was down.

**Severity:** Info

**Explanation:** Possible link flap was detected on an interface while the forwarding agent was down due to hitless restart.

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

**HITLESS\_RESTART\_MMU\_SCHED\_CHANGED:** MMU scheduler structure is changed during agent hitless restart, the StrataAgent will restart in normal mode, resulting in forwarding outage.

**Severity:** Info

**Explanation:** When StrataAgent restarts in hitless mode, MMU scheduler structure is checked to make sure software and hardware is in sync, if not, switch ASIC will be reconfigured, requiring the StrataAgent to restart in normal mode.

**Recommended Action:** This behavior is expected.

**HITLESS\_RESTART\_TIMEOUT:** Hitless restart of StrataAgent timed out. The agent will restart in normal mode, resulting in a forwarding outage.

**Severity:** Error

**Explanation:** StrataAgent failed to determine link statuses for all interfaces within the allotted time during hitless restart. The agent will restart in normal mode, resulting in a forwarding outage.

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

**I2ECLASSID\_RESOURCE\_FULL:** Hardware resources are insufficient to allocate I2E class ID

**Severity:** Error

**Explanation:** The switch is unable to allocate I2E class ID due to insufficient hardware resources. Any feature requiring these might fail to operate as expected.

**Recommended Action:** Reconfigure the network to reduce the number of I2E class IDs used by resources like remote VTEPs in ethernet segments.

**I2ECLASSID\_RESOURCE\_NORMAL:** Hardware resources are available to allocate I2E class ID

**Severity:** Error

**Explanation:** The switch is able to allocate I2E class ID on account of hardware resources being available.

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

**INGRESS\_IP\_BYTE\_COUNTER\_TCAM\_FULL:** Programming Ingress IP byte counters failed

**Severity:** Error

**Explanation:** The switch cannot enable IP byte counters due to insufficient ingress TCAM resources.

**Recommended Action:** Reconfigure other features that use ingress TCAMs to free up resources

**IP\_V4\_V6\_COUNTER\_FLEXCTR\_FULL:** Programming IP v4/v6 flex counter failed

**Severity:** Error

**Explanation:** The switch cannot enable IP v4/v6 counters due to insufficient ingress TCAMs flex counters resources.

**Recommended Action:** Reconfigure other features that use ingress TCAMs flex counters to free up resources

**IP\_V4\_V6\_COUNTER\_TCAM\_FULL:** Programming IP v4/v6 tcam counter helper failed

**Severity:** Error

**Explanation:** The switch cannot enable IP v4/v6 counters due to insufficient ingress TCAM resources.

**Recommended Action:** Reconfigure other features that use ingress TCAMs to free up resources

**L3\_BLOCK\_MASK\_PROFILE\_RESOURCE\_FULL:** Hardware resources are insufficient to program port blocking profile.

**Severity:** Error

**Explanation:** The switch is unable to program port blocking profile due to insufficient hardware resources. As the result, the switch will use default port blocking profile and forward unknown multicast traffic to the non-multicast router ports.

**Recommended Action:** Reconfigure your network to reduce the number of port blocking profiles in the switch.

**L3\_IIF\_RESOURCE\_FULL:** Hardware resources are insufficient to add L3 ingress interface for %s

**Severity:** Error

**Explanation:** The switch is unable to program L3 ingress interface for the routed interface due to insufficient hardware resources. Traffic forwarding will not happen on this routed interface.

**Recommended Action:** Reconfigure the switch to reduce the number of routed interfaces.

**L3\_IIF\_RESOURCE\_NORMAL:** Hardware resources are available to add L3 ingress interfaces.

**Severity:** Error

**Explanation:** The switch is able to program routed interfaces.

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

**MACSEC\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add %s rule due to %s

**Severity:** Error

**Explanation:** The switch is unable to program TCAM entries.

**Recommended Action:** Reconfigure the system to clear up hardware resources before flapping the MACsec profile to program TCAM entries.

**MCAST\_GROUP\_RESOURCE\_FULL:** Hardware resources are insufficient to program multicast group.

**Severity:** Error

**Explanation:** The switch is unable to program multicast group due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to reduce the number of replication groups in the switch.

**MCAST\_GROUP\_RESOURCE\_NORMAL:** Multicast groups are now available and programmed

**Severity:** Error

**Explanation:** The switch was able to program multicast group.

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

**MCAST\_REPL\_HEAD\_RESOURCE\_FULL:** Hardware resources are insufficient to allocate port replication resource on module %d, pipe %d

**Severity:** Error

**Explanation:** The switch is unable to program multicast group due to insufficient port replication resources.

**Recommended Action:** Reconfigure your network to reduce the number of replication groups in the switch.

**MCAST\_REPL\_HEAD\_RESOURCE\_NORMAL:** Port replication resource are now available on module %d, pipe %d

**Severity:** Error

**Explanation:** The switch is able to program multicast group due to availability of port replication resources.

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

**MCAST\_REPL\_LIST\_RESOURCE\_FULL:** Hardware resources are insufficient to allocate replication list resource on module %d

**Severity:** Error

**Explanation:** The switch is unable to program multicast group due to insufficient replication list resources.

**Recommended Action:** Reconfigure your network to reduce the number of replication groups in the switch.

**MCAST\_REPL\_LIST\_RESOURCE\_NORMAL:** Replication list resource are now available on module %d

**Severity:** Error

**Explanation:** The switch is able to program multicast group due to availability of replication list resources.

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

**MIRRORING\_ACL\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all mirroring ACLs (%s, %s)

**Severity:** Error

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

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

**MIRRORING\_ACL\_HW\_RESOURCE\_NORMAL:** All mirroring ACLs are programmed in hardware (%s)

**Severity:** Error

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

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

**MIRRORING\_GRE\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to program TCAM GRE rules for mirroring.

**Severity:** Warning

**Explanation:** The switch is unable to program TCAM GRE rules for mirroring due to insufficient hardware resources.

**Recommended Action:** Reconfigure the system to clear up hardware resources like removing egress ACLs. Reapply mirror configuration once hardware resources become available.

**MIRRORING\_RATELIMIT\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program rate limit for mirroring session.

**Severity:** Warning

**Explanation:** The switch is unable to program rate limit for mirroring session due to insufficient hardware resources.

**Recommended Action:** Reconfigure the system to clear up hardware resources like removing egress/out ACLs. Reapply mirror rate limit configuration once hardware resources become available.

**MIRRORING\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to program TCAM rules for mirroring.

**Severity:** Warning

**Explanation:** The switch is unable to program TCAM rules for mirroring due to insufficient hardware resources.

**Recommended Action:** Reconfigure the system to clear up hardware resources like removing egress ACLs. Reapply mirror configuration once hardware resources become available.

**MIRRORING\_UDF\_ACL\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program mirroring ACLs with UDF (%s, %s)

**Severity:** Error

**Explanation:** The switch is unable to program mirroring ACLs featuring UDF due to insufficient hardware resources available in the TCAM.

**Recommended Action:** Reconfigure and reapply your mirroring ACLs in the session to reduce the size and/or complexity of the ACLs featuring UDF.

**MIRRORING\_UDF\_ACL\_HW\_RESOURCE\_NORMAL:** All mirroring ACLs featuring UDF are programmed in hardware (%s)

**Severity:** Error

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

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

**MIRRORING\_UDF\_ACL\_INVALID\_PAYLOAD\_SPEC:** An invalid payload specification with offset: %d pattern: %08x mask: %08x was found in the Mirroring ACL and has not been programmed.

**Severity:** Error

**Explanation:**

**Recommended Action:** Please remove the invalid payload configuration.

**MIRROR\_DESTINATION\_LAG\_RESOURCE\_FULL:** Insufficient hardware resource to add all members of port channel: %s as a mirror destination in session: %s .

**Severity:** Warning

**Explanation:**

**Recommended Action:** Supports only 8 members in the port channel.

**MIRROR\_EGRESS\_CPU\_DESTINATION\_RECOVERED:** The mirror session %s is enabled, because store-and-forward forwarding has been enabled

**Severity:** Warning

**Explanation:** This system supports mirroring packets from egress sources to the CPU only in store-and-forward forwarding mode.

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

**MIRROR\_EGRESS\_CPU\_DESTINATION\_UNSUPPORTED:** The mirror session %s is disabled while cut-through forwarding is enabled.

**Severity:** Warning

**Explanation:** The forwarding chip does not support cut-through forwarding while mirroring packets from egress mirroring sources to the CPU.

**Recommended Action:** To resolve the issue switch to store-and-forward forwarding mode where this mirroring configuration can be supported.

**MIRROR\_GRE\_IN\_CUT\_THROUGH:** Mirroring session %s configured with a GRE tunnel destination is incompatible with the current switch cut-through forwarding mode.

**Severity:** Warning

**Explanation:** Mirror sessions that have GRE tunnel destinations may experience unexpected behavior while the system is in cut-through mode.

**Recommended Action:** To resolve the issue switch to store-and-forward forwarding mode where this mirroring configuration can be supported.

**MIRROR\_GRE\_IN\_CUT\_THROUGH\_CHANGE:** Mirroring sessions configured with GRE tunnel destinations are incompatible with the current switch cut-through forwarding mode.

**Severity:** Warning

**Explanation:** Mirror sessions that have GRE tunnel destinations may experience unexpected behavior while the system is in cut-through mode.

**Recommended Action:** To resolve the issue switch to store-and-forward forwarding mode where this mirroring configuration can be supported.

**MIRROR\_INVALID\_MTP\_DISABLE:** The mirror session %s is disabled in cut-through mode.

**Severity:** Warning

**Explanation:** This system does not support mirror sessions that have both ingress mirror sources and egress mirror sources to the same mirror destination port while in cut-through forwarding mode.

**Recommended Action:** To resolve the issue switch to store-and-forward forwarding mode where this mirroring configuration can be supported.

**MIRROR\_PREVIOUSLY\_INVALID\_MTP\_ENABLE:** The mirror session %s is now enabled.

**Severity:** Warning

**Explanation:** This system supports mirror sessions that have both ingress mirror sources and egress mirror sources to the same mirror destination port only when in store-and-forward forwarding mode.

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

**MIRROR\_SESSION\_RESOURCES\_FULL:** Mirroring hardware resources are insufficient to program the mirror session %s.

**Severity:** Error

**Explanation:** The switch is unable to program the mirroring session due to the unavailability of hardware resources. The maximum mirror sessions limit has been exceeded. As a result this mirroring session is not operational.

**Recommended Action:** To solve this issue, remove a mirroring session or unconfigure a feature that is using a mirror session.

**MMU\_MEMORY\_EXHAUSTED:** Unable to allocate headroom memory

**Severity:** Error

**Explanation:** The amount of memory needed to allocate headroom for flow control exceeds the memory available on the device.

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

**MMU\_QUEUE\_MULTICAST\_RESERVED\_INVALID:** Request to reserve %d multicast queueing resources cannot be satisfied in MMU %d (max %d)

**Severity:** Info

**Explanation:** The number of requested multicast queueing resources exceeds the number of available multicast queueing resources. Reduce the number of reserved cells using the 'platform trident mmu queue profile' or 'platform trident mmu queue cpu-profile' commands.

**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.

**MODULE\_POWEROFF:** Card %s powering off. Cause: %s

**Severity:** Info

**Explanation:** A card may be intentionally powered off due to an error condition being met.

**Recommended Action:** Remove and re-insert the impacted linecard or fabric card.

**MODULE\_RESET:** Switch %s restarting. Cause: %s

**Severity:** Info

**Explanation:** A switch may restart due to configuration change or software defect. Restarting one switch may cause other switches to restart. Please see cause for more information.

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

**MOD\_ACL\_TCAM\_FAILURE:** StrataTcam agent unable to install drop catch entry

**Severity:** Error

**Explanation:** The switch is unable to install the drop catch entry due to the TCAM manager failure.

**Recommended Action:** Try disabling and enabling Mirror On Drop

**MOD\_ACL\_TCAM\_TIMEOUT:** StrataTcam agent unable to install drop catch entry

**Severity:** Error

**Explanation:** The switch is unable to install the drop catch entry because the request to the TCAM manager timed out.

**Recommended Action:** Try disabling and enabling Mirror On Drop

**MPLS\_ENTRY\_RESOURCE\_FULL:** Hardware resources are insufficient to add an MPLS route

**Severity:** Error

**Explanation:** The switch is unable to program the MPLS route for this action due to insufficient hardware resources. Traffic forwarding will not happen via this MPLS route.

**Recommended Action:** Reconfigure your network to reduce the number of MPLS routes in the switch.

**MPLS\_MAC\_DA\_PROFILE\_TABLE\_FULL:** Hardware resources are insufficient to add an MPLS adjacency for %s

**Severity:** Error

**Explanation:** The switch is unable to create a destination MAC profile for the MPLS entry due to insufficient hardware resources. Traffic forwarding will not happen to this MAC address.

**Recommended Action:** Reconfigure your network to reduce the number of MPLS entries in the switch, or use less interfaces for egress MPLS traffic.

**MPLS\_NEXTHOP\_RESOURCE\_FULL:** Hardware resources are insufficient to add an MPLS adjacency (%d)

**Severity:** Error

**Explanation:** The switch is unable to program the nexthop for the MPLS entry due to insufficient hardware resources. Traffic forwarding will not happen to this MPLS nexthop/destination.

**Recommended Action:** Reconfigure your network to reduce the number of MPLS nexthops in the switch.

**MPLS\_RESERVED\_ENTRY\_PROGRAMMING\_FAILURE:** Programming failure of MPLS table for required resources (label %d)

**Severity:** Error

**Explanation:** The switch is unable to program a reserved entry in a hardware table that is necessary for MPLS to function properly. Traffic forwarding of MPLS packets and other MPLS actions might not work.

**Recommended Action:** Try power cycling the switch. This problem should not occur under normal operation. Likely the hardware is stuck in a bad state.

**MPLS\_VC\_AND\_SWAP\_TABLE\_FULL:** Hardware resources are insufficient to add an MPLS %s label

**Severity:** Error

**Explanation:** The switch is unable to program the nexthop for the MPLS entry due to insufficient hardware resources. The MPLS action will not take effect on this label.

**Recommended Action:** Reconfigure your network to reduce the number of MPLS swap/push labels in the switch.

**NATIVE\_VLAN\_VFP\_RESOURCE\_FULL:** Hardware resources are insufficient to add VFP rule for %s

**Severity:** Error

**Explanation:** The switch is unable to program VFP entry for handling of VXLAN native VLAN on the trunk port. All traffic on this trunk port will be bridged only in the native VLAN until VFP resources are available.

**Recommended Action:** Reconfigure the system to clear up VFP hardware resources like removing IP ACLs. Reapply native VLAN configuration on the affected port once hardware resourced become available.

**NATIVE\_VLAN\_VFP\_RESOURCE\_RECOVERY:** Hardware resource recovery adding VFP rules for VXLAN VLAN as native VLAN.

**Severity:** Error

**Explanation:** The switch has recovered from VFP exhaustion. Entries used for handling ports configured with native VLAN as a VXLAN VLAN are able to be installed now.

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

**NAT\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add NAT rule with key <%s>

**Severity:** Error

**Explanation:** The switch is unable to program TCAM entries.

**Recommended Action:** Reconfigure the system to clear up hardware resources before configuring this NAT rule

**NAT\_TCAM\_RESOURCE\_NORMAL:** Hardware resources are available to add NAT rules.

**Severity:** Info

**Explanation:** The switch is able to add NAT rules due to new available TCAM resources

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

**NEW\_PRIMARY:** Setting %s as the primary redundant switchcard.

**Severity:** Info

**Explanation:** The primary redundant switch in the system is responsible for all of the switching decisions.

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

**OUT\_OF\_LOGICAL\_PORTS:** Out of logical ports in pool %s, making interface %s inactive.

**Severity:** Warning

**Explanation:** The switch ran out of hardware port resources on packet processing pipeline.

**Recommended Action:** To make the interface active, look at 'show platform trident interface map full', and make other interfaces in the same forwarding pipeline inactive.

**PAUSE\_PG\_HW\_RESOURCE\_FULL:** Unable to configure flowcontrol send on interface %s due to insufficient hardware resources.

**Severity:** Error

**Explanation:** The number of unique no-drop priority configurations exceeds that available on the device. The flowcontrol send configuration for this interface will be ignored.

**Recommended Action:** Reduce the number of unique interface flow control configurations.

**PFC\_PG\_HW\_RESOURCE\_FULL:** Unable to configure priority flow control on interface %s due to insufficient hardware resources.

**Severity:** Error

**Explanation:** The number of unique no-drop priority configurations exceeds those available to the device. The priority flow control configuration for this interface will be not be updated.

**Recommended Action:** Reduce the number of unique interface flow control configurations.

**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.

**POSTCARD\_TELEMETRY\_HW\_PROGRAMMING\_ERROR:** Timeout/Unknown failure happened while programming Postcard Telemetry rules in hardware for policy %s

**Severity:** Error

**Explanation:** The switch is unable to program all Postcard Telemetry policy rules due to timeout/unknown failure during hardware programming.

**Recommended Action:** Try disabling and enabling Postcard Telemetry or check for the FixedSystem agent to be running or reconfigure Postcard Telemetry policies to reduce the size and then reapply the Postcard Telemetry configuration.

**POSTCARD\_TELEMETRY\_HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all Postcard Telemetry rules for policy %s

**Severity:** Error

**Explanation:** The switch is unable to program all Postcard Telemetry policy rules due to insufficient hardware resources available in the TCAM.

**Recommended Action:** Reconfigure Postcard Telemetry policies to reduce the size and/or reconfigure other features using TCAM hardware resources to reduce their usage and then reapply the Postcard Telemetry configuration.

**POSTCARD\_TELEMETRY\_PROGRAMMING\_NORMAL:** All Postcard Telemetry rules programmed successfully in hardware for policy %s

**Severity:** Error

**Explanation:** The switch was able to program all Postcard Telemetry policy rules in the hardware.

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

**PROFILE\_MODE\_CHANGE:** Forwarding scale for profile %s changed. Expect traffic loss

**Severity:** Info

**Explanation:** The forwarding table scale for profile %s was changed. Traffic will be disrupted while the configuration is applied

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

**PROFILE\_MODE\_UNSUPPORTED:** Requested forwarding scale for profile %s not supported

**Severity:** Warning

**Explanation:** The switch cannot apply the forwarding table scale specified in 'platform trident profile configuration %s'.

**Recommended Action:** Reconfigure 'platform trident profile configuration %s', to a supported forwarding scale as listed by 'show forwarding table capabilities'.

**QOS\_OUTER\_DSCP\_TO\_COS\_ERROR:** Hardware resources are insufficient to program UDF to rewrite egress COS derived from ingress outer DSCP.

**Severity:** Error

**Explanation:** The switch is unable to program UDF used for rewriting egress COS derived from ingress outer DSCP due to insufficient UDF hardware resources. As a result, egress COS will be derived from ingress inner DSCP.

**Recommended Action:** Reconfigure other ACLs or features that use UDF to free up UDF hardware resources.

**QOS\_PHONE\_HW\_RESOURCE\_FULL:** TCAM resources are insufficient to program phone QoS trust mode

**Severity:** Error

**Explanation:** The switch is unable to program phone QoS configuration due to insufficient TCAM resources.

**Recommended Action:** Reconfigure other features that use TCAMs to free up some resources for QoS.

**QOS\_PHONE\_HW\_RESOURCE\_NORMAL:** TCAM resources programmed for phone QoS trust mode

**Severity:** Error

**Explanation:** The switch was able to program phone QoS configuration in the TCAM.

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

**RECOMP\_NOT\_SUPPORTED\_WITH\_VXLAN\_NEXTHOP:** Resilient ECMP configuration is not supported on routes with VXLAN remote nexthop l2intf:%s, l3intf:%s

**Severity:** Warning

**Explanation:** Resilient ECMP configuration is not supported on routes with VXLAN remote nexthops

**Recommended Action:** Please disable RECOMP configuration on routes with VXLAN remote nexthops

**RESERVED\_HOST\_TABLE\_EXCEEDED:** The reserved value chosen for the host entries exceeds the current number of available entries. Reserving only %d entries.

**Severity:** Info

**Explanation:** The number of entries reserved in the host table cannot exceed the current table capacity. The actual number of entries reserved is lower than the configured one.

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

**RXDMASTUCKERROR:** RX Packet DMA Stuck Error occurred in StrataAgent chip %s

**Severity:** Error

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

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

**SCHEDULER\_MODE\_CHANGE:** Switch scheduler configuration changed to %s, the forwarding agent will restart.

**Severity:** Info

**Explanation:** When the switch scheduler configuration is changed the switch ASIC must be reconfigured, requiring the forwarding agent to restart.

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

**SUBINTERFACE\_NEXTHOP\_NOT\_SUPPORTED\_WITH\_IPV6\_VXLAN:** IPv6 VXLAN encapsulation is not supported on 802.1q subinterfaces. Interface %s VTEP %s

**Severity:** Error

**Explanation:** The switch does not support IPv6 VXLAN encapsulation of packets being transmitted out of 802.1q subinterfaces.

**Recommended Action:** Reconfigure the switch to use regular L3 interface as underlay/core interface for a IPv6 VXLAN tunnel.

**SUBINTERFACE\_NEXTHOP\_NOT\_SUPPORTED\_WITH\_VXLAN:** VXLAN encapsulation of packets on 802.1q subinterfaces is not supported. Interface %s VTEP %s

**Severity:** Error

**Explanation:** The switch does not support VXLAN encapsulation of packets being transmitted out of 802.1q subinterfaces.

**Recommended Action:** Reconfigure the switch to avoid transmitting VXLAN encapsulated packets on 802.1q subinterfaces.

**SYSTEM\_RESET:** All switches restarting. Cause: %s

**Severity:** Info

**Explanation:** Some configuration changes require all switches to restart.

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

**TABLE\_MODE\_CHANGE:** Operating mode for %s table changed to %d. Restarting forwarding agents

**Severity:** Info

**Explanation:** Table operating mode changed. Restarting forwarding agents

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

**TABLE\_MODE\_CHANGE\_FLEX:** Operating mode for %s table changed to flexible. Restarting forwarding agents

**Severity:** Info

**Explanation:** Table operating mode changed. Restarting forwarding agents

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

**TABLE\_MODE\_CONFLICT\_URPF:** uRPF is enabled in hardware. Operating mode for %s table cannot be changed to %d.

**Severity:** Info

**Explanation:** uRPF can only be configured when the table is in routing mode 2 or 4, and forwarding mode not 4. No other modes are supported with uRPF configuration.

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

**TABLE\_MODE\_NO\_CONFLICT\_URPF:** uRPF is disabled in hardware. Operating mode for %s table changed to configured mode %d.

**Severity:** Info

**Explanation:** Reverting the operating mode of routing team/forwarding table to configured value. uRPF disabled in hardware and no longer causes any conflicts with the configured value

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

**TCAM\_FLEX\_COUNTER\_HW\_RESOURCE\_FULL:** Flex counter resource exhausted for stage %s pipe %s

**Severity:** Error

**Explanation:** The switch is unable to allocate counters for the feature due to insufficient hardware resources. Feature creation will be attempted without counters.

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

**TCAM\_UDF\_HW\_RESOURCE\_FULL:** Hardware resources insufficient to program UDF

**Severity:** Error

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

**Recommended Action:** Reconfigure other ACLs or features that use UDF to free up UDF hardware resources.

**TCAM\_UDF\_HW\_RESOURCE\_NORMAL:** All UDFs are programmed in hardware

**Severity:** Error

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

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

**TRANSCEIVER\_MODE\_CHANGE:** Change in interface %s configuration from %s to %s, the StrataAgent will restart.

**Severity:** Info

**Explanation:** When a multi-lane speed change is initiated on a port, the switch ASIC must be reconfigured, requiring the StrataAgent to restart.

**Recommended Action:** This behavior is expected.

**TXDMASTUCKERROR:** TX Packet DMA Stuck Error occurred in StrataAgent chip %s

**Severity:** Error

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

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

**UDF\_HW\_RESOURCE\_FULL:** Hardware resources insufficient to program UDF

**Severity:** Error

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

**Recommended Action:** Reconfigure other ACLs or features that use UDF to free up UDF hardware resources.

**UDF\_HW\_RESOURCE\_NORMAL:** All UDFs are programmed in hardware

**Severity:** Error

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

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

**UNEXPECTED\_L2MOD\_FIFO\_MAC\_EVENT:** An unexpected l2mod fifo mac event is received. msg = %s

**Severity:** Debug

**Explanation:** An unexpected l2mod fifo mac event is received.

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

**UNEXPECTED\_RESTART:** Unexpected restart of Strata agent %s occurred

**Severity:** Error

**Explanation:** Unexpected restart of the Strata agent occurred.

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

**URPF\_CONFLICT\_TABLE\_MODE:** uRPF cannot be configured in hardware. %s table mode %d is not supported with uRPF configuration.

**Severity:** Info

**Explanation:** uRPF can only be configured when the table is in routing mode 2 or 4.No other modes are supported with uRPF configuration.

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

**URPF\_EXCEPTION\_HW\_LIST\_PROGRAMMED:** Sufficient TCAM resources for programming uRPF exception list (%s)

**Severity:** Error

**Explanation:** The switch is able to program the exception list needed for uRPF in hardware.

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

**URPF\_EXCEPTION\_HW\_RESOURCE\_FULL:** Insufficient TCAM resources for programming uRPF exception list (%s)

**Severity:** Error

**Explanation:** The switch is unable to program exception list entries needed for uRPF due to insufficient TCAM resources. As a result, uRPF will be enabled without the exception list in hardware.

**Recommended Action:** Reconfigure your lists to free up enough resources for exception entries.

**URPF\_HW\_RESOURCE\_FULL:** Insufficient TCAM resources for programming uRPF ACL entries.

**Severity:** Error

**Explanation:** The switch is unable to program ACL entries needed for uRPF due to insufficient TCAM resources. As a result, uRPF will not be enabled in hardware.

**Recommended Action:** Reconfigure your ACLs to free up enough resources for uRPF.

**VFI\_MCAST\_RESOURCE\_FULL:** Hardware resources are insufficient to add vxlan multicast group for vlan=%d, type=%s

**Severity:** Error

**Explanation:** The switch is unable to program multicast group for vxlan due to insufficient hardware resources. Flood traffic may not be sent to all the ports in vlan.

**Recommended Action:** Reconfigure your network to reduce the number of multicast groups in the switch.

**VFI\_MCAST\_RESOURCE\_NORMAL:** Vxlan multicast group now programmed for vlan=%d, type=%s

**Severity:** Error

**Explanation:** The switch is now handling broadcast, multicast, unknown traffic normally.

**Recommended Action:**

**VFI\_NEXTHOP\_RESOURCE\_FULL:** Hardware resources are insufficient to add vxlan port %s for vlan %d

**Severity:** Error

**Explanation:** The switch is unable to program nexthop for the vxlan port due to insufficient hardware resources. Traffic forwarding will not happen on this port.

**Recommended Action:** Reconfigure your network to reduce the number of nexthop entries in the switch.

**VFI\_RESOURCE\_FULL:** Hardware resources are insufficient to add a virtual forwarding instance for %s

**Severity:** Error

**Explanation:** The switch is unable to program a virtual forwarding instance for the VLAN due to insufficient hardware resources. Traffic forwarding will not happen on this VLAN.

**Recommended Action:** Reconfigure the switch to reduce the number of VLANs or routed interfaces.

**VFI\_RESOURCE\_NORMAL:** Hardware resources are available to add virtual forwarding instances.

**Severity:** Error

**Explanation:** The switch is able to program VLANs.

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

**VFI\_UMC\_TCAM\_RESOURCE\_FULL:** TCAM allocation failed for redirecting unknown IP Multicast packets

**Severity:** Error

**Explanation:** The switch is unable to program TCAM to redirect unknown multicast due to insufficient hardware resources.

**Recommended Action:** Reconfigure other ACLs or features that use TCAM to free up resources and unconfigure/configure IP multicast routing.

**VFI\_UMC\_TCAM\_RESOURCE\_RECOVERED:** TCAM entries to redirect unknown multicast packets are programmed.

**Severity:** Error

**Explanation:** The switch was able to program TCAM entries to redirect unknown multicast packets

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

**VIRTUALPORT\_RESOURCE\_FULL:** Hardware resources are insufficient to add virtual port for %s

**Severity:** Error

**Explanation:** The switch is unable to program virtual port (remote VTEP or edge vlan-port pair) for the vxlan end point due to insufficient hardware resources. Traffic forwarding will not happen on this virtual port.

**Recommended Action:** Reconfigure the network to reduce the number of entries in the hardware table like remote VTEPs or edge vlan-port pairs.

**VIRTUALPORT\_RESOURCE\_NORMAL:** Hardware resources are available to add virtual port for %s

**Severity:** Error

**Explanation:**

**Recommended Action:**

**VLANBITMAPPROFILE\_RESOURCE\_FULL:** Hardware resources are insufficient to add VLAN %d

**Severity:** Error

**Explanation:** The specified entry could not be programmed due to insufficient hardware resources. Traffic forwarding will not happen on the specified entry.

**Recommended Action:** Reconfigure the network to reduce the number of VLAN entries in the hardware and/or interfaces enabled on the VLAN.

**VLANXLATE\_RESOURCE\_FULL:** Hardware resources are insufficient to add %s

**Severity:** Error

**Explanation:** The specified entry could not be programmed due to insufficient hardware resources. Traffic forwarding will not happen on the specified entry.

**Recommended Action:** Reconfigure the network to reduce the number of entries in the hardware table like vlan mappings, edge vlan-port pairs or vlan-vni mappings.

**VLAN\_ACL\_SHARING\_MODE\_CHANGE:** Change in resource sharing behavior for ACLs applied on VLAN interfaces

**Severity:** Info

**Explanation:** The forwarding agent will restart to share/unshare ACL hardware resources attached across multiple VLAN interfaces

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

**VLAN\_ROUTING\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to enable routing on vlan %d

**Severity:** Error

**Explanation:** The switch is not able to enable vlan routing due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network to add continuous range of routing vlans or reduce the vlan scale.

**VLAN\_ROUTING\_TCAM\_RESOURCE\_NORMAL:** Hardware resources are available to add routing vlans

**Severity:** Error

**Explanation:** The switch is able to program routing vlans.

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

**VP\_VLAN\_MEMBERSHIP\_RESOURCE\_FULL:** Hardware %s resources are insufficient to add ports to VLANs

**Severity:** Error

**Explanation:** The switch is unable to program ports to VLANs due to insufficient hardware resources. Packets to or from unprogrammed port and VLAN pairs will be dropped.

**Recommended Action:** Reduce the number of VLAN and port combinations to less than 16,000. If that does not work ,reconfigure your network with different VLAN and port combinations to avoid hardware hash table collisions.

**VP\_VLAN\_MEMBERSHIP\_RESOURCE\_NORMAL:** All %s active port and VLAN pairs are programmed in the switch hardware

**Severity:** Error

**Explanation:** The switch was able to program all active port and VLAN pairs to the switch hardware.

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

**VRRP\_ROUTING\_RESOURCE\_FULL:** Hardware resources are insufficient to enable routing for VRRP group %d

**Severity:** Error

**Explanation:** The switch is not able to enable VRRP routing due to insufficient hardware resources.

**Recommended Action:** Reconfigure your network by reducing the VRRP group.

**VRRP\_ROUTING\_RESOURCE\_NORMAL:** Hardware resources are sufficient to enable routing for all VRRP groups.

**Severity:** Error

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

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

**VXLAN\_HWHWER\_NEXTHOP\_RESOURCE\_FULL:** Hardware resources are insufficient to head end replicate(HER) to vtep(%s)

**Severity:** Info

**Explanation:** A nexthop is required for flooding traffic to each remote vtep

**Recommended Action:** Reconfigure your network to reduce the number of nexthop entries in the switch.

**VXLAN\_MCAST\_RESOURCE\_FULL:** Hardware resources are insufficient to add vxlan multicast group

**Severity:** Error

**Explanation:** The switch is unable to program multicast group for vxlan due to insufficient hardware resources. Flood traffic may not be sent to all the ports in vlan.

**Recommended Action:** Reconfigure your network to reduce the number of multicast groups in the switch.

**VXLAN\_NEXTHOP\_RESOURCE\_FULL:** Hardware resources are insufficient to add vxlan port %s for vlan %d

**Severity:** Error

**Explanation:** The switch is unable to program nexthop for the vxlan port due to insufficient hardware resources. Traffic forwarding will not happen on this port.

**Recommended Action:** Reconfigure your network to reduce the number of nexthop entries in the switch.

**VXLAN\_PORT\_TO\_NEXTHOP\_OVERFLOW:** Vxlan module ( %d ), port ( %d ), Interface ( %s ) : Port To Next hop Table overflow %s

**Severity:** Info

**Explanation:** Vxlan tunnels resolved through same physical port do not share first hop router. Some of the tunnels may not be reachable.

**Recommended Action:** Reconfigure your network so that tunnels resolved through same physical port share the same first hop router. 'show platform trident vxlan port-to-next-hop overflow' and 'show platform trident vxlan port-to-next-hop ' can be used to monitor the port-to-next-hop tables that are overflowing.

**VXLAN\_PORT\_TO\_NEXTHOP\_OVERFLOW\_RESOLVED:** Vxlan module ( %d ), port ( %d ), Interface ( %s ) : Port To Next hop Table overflow Resolved

**Severity:** Info

**Explanation:** Vxlan tunnels resolved through this physical port share same nexthop router. Accordingly, all tunnels using this nexthop are now reachable.

**Recommended Action:** 'show platform trident vxlan port-to-next-hop overflow' and 'show platform trident vxlan port-to-next-hop ' can be used to monitor the port-to-next-hop tables that are overflowing.

**VXLAN\_RECIRC\_CHANNEL\_CONFIGURED\_RECOVERY:** Recirc-channel has now been configured for use with Vxlan routing

**Severity:** Error

**Explanation:** Recovered from error state for flows involving routing into and/or from Vxlan tunnels

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

**VXLAN\_RECIRC\_CHANNEL\_NOT\_CONFIGURED:** Recirc-channel has not been configured for use with Vxlan routing

**Severity:** Error

**Explanation:** A Recirc-channel interface with vxlan features is required for proper functioning of flows involving routing into and/or from Vxlan tunnels

**Recommended Action:** Configure a Recirc-channel, and enable vxlan features on it

**VXLAN\_ROUTING\_RESOURCE\_FULL:** Unable to program router MAC address %s in VLAN %d due to hardware resource exhaustion. Vxlan routing may not work as expected in this VLAN.

**Severity:** Warning

**Explanation:** The specified MAC address could not be programmed into the switching ASIC due to hardware resource exhaustion. This MAC address is pointing to an internal recirculation port and is used for Vxlan routing. Hence, Vxlan routing may not work as expected while the system is in this state.

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

**VXLAN\_ROUTING\_RESOURCE\_NORMAL:** Router MAC address %s in VLAN %d was successfully programmed in hardware.

**Severity:** Warning

**Explanation:** The specified MAC address was successfully programmed into the switching ASIC. Normal vxlan routing should resume in this VLAN.

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

**VXLAN\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add VXLAN %s rule.

**Severity:** Error

**Explanation:** The switch is unable to program TCAM entries.

**Recommended Action:** Reconfigure the system to clear up hardware resources before flapping the VXLAN interface to reprogram TCAM entries.

**VXLAN\_TCAM\_RESOURCE\_NORMAL:** Hardware resource recovery from %s TCAM exhaustion.

**Severity:** Error

**Explanation:** The switch has recovered from TCAM exhaustion. Entries for VXLAN are able to be installed now.

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

**VXLAN\_VLAN\_VFP\_RESOURCE\_FULL:** Hardware resources are insufficient to add VFP rule for VXLAN VLAN trunk interface.

**Severity:** Error

**Explanation:** The switch is unable to program VFP entry for handling of VXLAN VLAN on the trunk port. All traffic on this trunk port for the specified VLAN will be dropped.

**Recommended Action:** Reconfigure the system to clear up VFP hardware resources like removing IP ACLs. Reapply VLAN configuration on the affected port once hardware resources become available.

**VXLAN\_VLAN\_VFP\_RESOURCE\_NORMAL:** Hardware resource recovery adding VFP rule for VXLAN VLAN trunk interface.

**Severity:** Error

**Explanation:** The switch has recovered from VFP exhaustion. Entries used for handling ports configured as switchport trunk in a VXLAN VLAN are able to be installed now.

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

**WATCHDOG\_POWERCYCLE:** Power cycling %s due to watchdog timeout.

**Severity:** Error

**Explanation:** A card power cycle is used to attempt recovery of a non-responsive switch.

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

**WEBAUTH\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add Web Authentication %s rule.

**Severity:** Error

**Explanation:** The switch is unable to program TCAM entries.

**Recommended Action:** Reconfigure the system to clear up hardware resources before enabling Web Auth to reprogram TCAM entries.

## 2.153 STRATANAT Messages

**ACL\_TCAM\_FAILURE:** StrataTcam agent unable to add static NAT ACL %s

**Severity:** Error

**Explanation:** The switch is unable to program the NAT ACL filters due to the TCAM manager failure.

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

**ACL\_TCAM\_TIMEOUT:** StrataTcam agent unable to add static NAT ACL %s

**Severity:** Error

**Explanation:** The switch is unable to program the NAT ACL filters because the request to the TCAM manager timed out.

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

**ACL\_VFP\_RESOURCE\_FULL:** Hardware resources are insufficient to add static NAT ACL %s

**Severity:** Error

**Explanation:** The switch is unable to program the static NAT ACL filters due to exhaustion of VFP resources.

**Recommended Action:** Reconfigure the system to clear up VFP resources before configuring this NAT rule. Try reducing the number of filters in this ACL, or reducing the usage of VFP by other features, such as security ACL, PDP, DirectFlow, OpenFlow, or VXLAN

**ACL\_VFP\_RESOURCE\_NORMAL:** Hardware resources are available to add static NAT ACL.

**Severity:** Info

**Explanation:** The switch is able to add static NAT ACL due to new available VFP resources.

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

**EGRESS\_VLAN\_TRANSLATION\_COLLISION:** Unable to program NAT rule <%s>. The rule is colliding with existing rule <%s>.

**Severity:** Error

**Explanation:** The switch was unable to program the NAT rule due to its vlan-xlate-inner entry colliding with an existing NAT rule. The vlan-xlate-inner resources may be full.

**Recommended Action:** Remove the new colliding NAT rule.

**EM\_RESOURCE\_FULL:** Hardware exact match resources are insufficient to add NAT rule with key <%s>

**Severity:** Error

**Explanation:** The switch is unable to program all exact match entries due to insufficient hardware resources.

**Recommended Action:** Reconfigure the system to clear up hardware resources before configuring this NAT rule

**EM\_UFT\_NOT\_CONFIGURED:** Forwarding table doesn't have space allocated for exact match entries to program dynamic NAT rules

**Severity:** Error

**Explanation:** The switch is unable to program dynamic NAT rules because the forwarding table has no allocated space for exact match entries

**Recommended Action:** Configure the system to allocate space in the forwarding table for exact match entries using 'platform trident forwarding-table partition exact-match'

**MCAST\_TRANSLATION\_TYPE:** Unable to program multicast NAT rule with translation type %s.

**Severity:** Error

**Explanation:** The switch was unable to program the multicast NAT rule due to the translation type not being selected.

**Recommended Action:** Reconfigure the multicast NAT translation types to support the translation type for this rule using 'platform trident nat translation multicast'.

**REPROGRAMMING:** %s. Reprogramming NAT connections. This may disrupt traffic

**Severity:** Info

**Explanation:** This change requires existing NAT rules to be reprogrammed immediately. Traffic may be temporarily disrupted

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

---

**SERVER\_RESOURCE\_FULL:** Insufficient resources for NAT rule with key <%s>

**Severity:** Warning

**Explanation:** The switch is unable to program all NAT rules due to insufficient resources.

**Recommended Action:** Reconfigure the system to clear up resources before configuring this NAT rule

**SERVER\_RESOURCE\_NORMAL:** Resources are available for programming NAT rules

**Severity:** Warning

**Explanation:** The switch is able to program more NAT rules

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

**TCAM\_FAILURE:** StrataTcam agent unable to add NAT entry %s

**Severity:** Error

**Explanation:** The switch is unable to program the NAT entry due to the TCAM manager failure.

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

**TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add NAT %s %s

**Severity:** Error

**Explanation:** The switch is unable to program the NAT entry due to the exhaustion of IFP resources.

**Recommended Action:** Reconfigure the system to free up IFP resources before configuring NAT.

**TCAM\_TIMEOUT:** StrataTcam agent unable to add entry %s

**Severity:** Error

**Explanation:** The switch is unable to program the NAT entry because the request to the TCAM manager timed out.

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

**TRAP\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add NAT trap filter %s

**Severity:** Error

**Explanation:** The switch is unable to program the NAT trap filter due to the exhaustion of IFP resources.

**Recommended Action:** Reconfigure the system to free up IFP resources before configuring NAT.

**TRAP\_TCAM\_RESOURCE\_NORMAL:** Hardware resources are available to add NAT trap filters.

**Severity:** Info

**Explanation:** The switch is able to add NAT trap filters due to new available IFP resources.

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

## 2.154 STRATAQOS Messages

**COPP\_CPUQ\_RESOURCE\_FULL:** Hardware resources are insufficient to allocate a new CPU queue with the provided configuration.

**Severity:** Warning

**Explanation:** The switch is unable to allocate a CPU queue due to insufficient hardware resources. Free CPU queue resources and reapply the configuration.

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

**COPP\_CPUQ\_RESOURCE\_NORMAL:** Hardware resources are sufficient for CPU queue programming.

**Severity:** Warning

**Explanation:** The switch was able to program all of the CPU queues in the hardware.

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

**ECN\_EFP\_TCAM\_RESOURCE\_FULL:** Hardware resources are insufficient to add EFP TCAM entry.

**Severity:** Error

**Explanation:** The switch is unable to program the new TCAM entry.

**Recommended Action:** Reconfigure the system to free up EFP resources before configuring.

## 2.155 STUN Messages

**INTF\_IP\_ADDRESS\_CHANGED:** STUN server is listening on %d IP address(es)%s.

**Severity:** Warning

**Explanation:** Configured IP address for a STUN interface has changed.

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

**MAX\_REQUEST\_RETRY\_REACHED:** STUN binding request for source %s port %d and server profile %s exhausted all retries.

**Severity:** Warning

**Explanation:** Max attempts to get STUN binding exhausted.

**Recommended Action:** Check network connectivity to the destination.

**NAT\_TRANSLATION\_CHANGED:** STUN detected change in NAT translation from IP %s port %d to IP %s port %d for source IP %s port %d.

**Severity:** Info

**Explanation:** STUN detected change in NAT translation.

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

**PWD\_AUTHENTICATION\_FAILED:** Password authentication between client %s port %d and server %s port %d failed.

**Severity:** Error

**Explanation:** Password authentication between client and server failed.

**Recommended Action:** Verify whether the configured credentials are correct.

**RESET\_REQUESTS:** STUN user application %s requested a reset.

**Severity:** Info

**Explanation:** STUN user application requested a reset.

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

**SERVER\_INTF\_IGNORED:** Interface %s is not a routed interface in the default VRF.

**Severity:** Warning

**Explanation:** STUN server does not support listening on interfaces in non-default VRFs.

**Recommended Action:** Remove the local-interface config or change the VRF to default for the interface.

**SSL\_CONN\_ERROR:** SSL error with peer %s port %s, message: %s.

**Severity:** Error

**Explanation:** There's an SSL error which may cause STUN connections to fail.

**Recommended Action:** Check if the SSL profiles and certificates have all required fields set properly.

**SSL\_CONN\_SUCCESS:** SSL connection successfully established with peer %s port %s.

**Severity:** Info

**Explanation:** SSL connection successfully established.

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

**SSL\_ERROR:** SSL error: %s.

**Severity:** Error

**Explanation:** There's an SSL error which may cause STUN setup to fail.

**Recommended Action:** Check if the SSL profiles and certificates have all required fields set properly.

## 2.156 SUBINTERFACE Messages

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to configure interface (%s)

**Severity:** Error

**Explanation:** Interface is marked operationally down due to insufficient hardware resources

**Recommended Action:** Please work with customer support to determine if the device can be reconfigured to make resources available

## 2.157 SYNC E Messages

**CLOCK\_LOCKED:** SyncE is locked onto clock: %s, QL: %s

**Severity:** Info

**Explanation:** SyncE has acquired lock to a reference clock source

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

**FREERUNNING:** SyncE is operating in free-running mode

**Severity:** Info

**Explanation:** SyncE is operating in free-running mode

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

**HOLDOVER:** SyncE is operating in holdover mode

**Severity:** Info

**Explanation:** SyncE is operating in holdover mode

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

**HOLDOVER\_ACQUIRED:** SyncE has acquired holdover memory

**Severity:** Info

**Explanation:** SyncE has acquired holdover memory

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

**QL\_CHANGE:** SyncE clock: %s, old QL: %s, new QL: %s

**Severity:** Info

**Explanation:** SyncE clock quality level has changed

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

## 2.158 SYS Messages

**BOOT\_COPY\_FAILED:** Failed to copy new SWI into place due to: %s

**Severity:** Info

**Explanation:** The system was unable to copy the new SWI file into the boot location.

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

**BOOT\_FAILED\_UPDATE\_BOOT\_IMAGE:** There was an issue with updating the boot image.

**Severity:** Error

**Explanation:** Updating the boot image failed, due to an issue specified in the 'boot system' CLI command

**Recommended Action:** Check the output of the 'boot system' CLI command to see what the error is.

**BOOT\_INFO\_ERROR:** System encountered an error in retrieving information but will continue to boot (%s)

**Severity:** Warning

**Explanation:** Error in retrieving system or achitecture info

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

**BOOT\_NEW\_SWI:** Boot image has been updated and has a SHA-512 hash of:%s

**Severity:** Info

**Explanation:** The SWI used to boot has been overwritten. The hash of the new SWI is displayed in the log message.

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

**BOOT\_RPM\_DATABASE\_UPDATE\_ERROR:** System encountered an error while updating the RPM database but will continue to boot (%s)

**Severity:** Warning

**Explanation:** RPM database may contain data of uninstalled RPMs

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

**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. Maximum characters in hostname is 64.

**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 if max-log-files > 0. The default log file location is flash, but may be in another location if the 'loglocation' option was specified.

**Recommended Action:** Please try to execute the CLI command interactively to make sure it works fine.

**CLI\_SCHEDULER\_DISABLED\_SKIP:** Execution of scheduled CLI execution job '%s' was skipped because CliScheduler is currently disabled.

**Severity:** Notice

**Explanation:** Scheduled execution of a CLI command was skipped since CliScheduler is currently disabled.

**Recommended Action:** See the previous log why CliScheduler is disabled.

**CLI\_SCHEDULER\_ENABLED:** CliScheduler is enabled, continuing its execution of scheduled CLI jobs.

**Severity:** Notice

**Explanation:** CliScheduler is enabled, resuming its execution of scheduled CLI jobs.

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

**CLI\_SCHEDULER\_FILESYSTEM\_FULL:** Execution of scheduled CLI execution job '%s' was aborted due to target filesystem being full

**Severity:** Warning

**Explanation:** Scheduled execution of a CLI command was aborted due to lack of space in target 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 if max-log-files > 0. The default log file location is flash:/schedule/..., but may be in another location if the 'loglocation' option was specified.

**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\_LOCK\_CLEAR:** The configuration lock was released manually by '%s'.

**Severity:** Notice

**Explanation:** The configuration lock was released by a user not holding the lock.

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

**CONFIG\_REPLACE\_FAILURE:** Configuration replace operation by %s with %s failed, on %s (%s)

**Severity:** Error

**Explanation:** A network administrator has attempted to replace the running configuration of the system, but the operation failed. The running configuration of the system has not changed.

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

**CONFIG\_REPLACE\_SUCCESS:** User %s replaced running configuration with %s successfully on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has replaced the running configuration of the system successfully.

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

**CONFIG\_SESSION\_ABORTED:** User %s aborted configuration session %s on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has aborted a configuration session, thereby having no effect on the running configuration of the system.

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

**CONFIG\_SESSION\_COMMIT\_FAILURE:** User %s committed configuration session %s with errors on %s (%s)

**Severity:** Error

**Explanation:** A network administrator has committed a configuration session, but the operation failed. The system may be in an inconsistent state.

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

**CONFIG\_SESSION\_COMMIT\_SUCCESS:** User %s committed configuration session %s successfully on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has committed a configuration session, thereby modifying the running configuration of the system.

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

**CONFIG\_SESSION\_COMMIT\_TIMER\_CANCELED:** The commit timer on session %s has been canceled. The system configuration will be rolled back.

**Severity:** Notice

**Explanation:** Session with commit timer has been aborted by the user.

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

**CONFIG\_SESSION\_COMMIT\_TIMER\_COMPLETED:** User %s has confirmed the session %s on %s (%s).

**Severity:** Notice

**Explanation:** A network administrator has confirmed the configuration session.

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

**CONFIG\_SESSION\_COMMIT\_TIMER\_STARTED:** User %s committed session %s on %s (%s), with timer %d:%d:%d(hr:min:sec).

**Severity:** Notice

**Explanation:** A network administrator has committed a configuration session with a timer, thereby modifying the running configuration of the system temporarily.

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

**CONFIG\_SESSION\_COMMIT\_TIMER\_TIMEDOUT:** The commit timer on session %s has expired. The system configuration will be rolled back.

**Severity:** Error

**Explanation:** Session with commit timer has timed out.

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

**CONFIG\_SESSION\_COMMIT\_TIMER\_UPDATED:** User %s updated commit timer with %d:%d:%d(hr:min:sec) for session %s on %s (%s).

**Severity:** Notice

**Explanation:** A network administrator has updated the commit timer of a configuration session.

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

**CONFIG\_SESSION\_DELETED:** User %s deleted configuration session %s on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has deleted a configuration session, thereby having no effect on the running configuration of the system.

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

**CONFIG\_SESSION\_ENTERED:** User %s entered configuration session %s on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has entered a configuration session.

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

**CONFIG\_SESSION\_EXITED:** User %s exited configuration session %s on %s (%s)

**Severity:** Notice

**Explanation:** A network administrator has exited a configuration session without committing or aborting, thereby having no effect on the running configuration of the system.

**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.

**DEPRECATED\_CMD:** Deprecated command '*%s*' was executed outside of startup-config by *%s* on *%s* (*%s*)

**Severity:** Notice

**Explanation:** Deprecated commands will not be allowed to execute outside of startup-config.

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

**EVENT\_ACTION\_DISCARDED:** Event handler *%s* queues reached the max limit

**Severity:** Error

**Explanation:** Event handler cannot keep up with the rate of incoming events. Events will be discarded

**Recommended Action:** Use the repeat interval command

**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\_LOG:** *%s* triggered *%d* times in the last *%d* seconds

**Severity:** Warning

**Explanation:** Event handler log action is configured from Cli to run when a specified condition is met. To see the status of event-handler run 'show event-handler <event-handler-name>' from enabled mode.

**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\_ASYNC\_QUEUED:** Event handler *%s* concurrent asynchronous actions reached the max limit

**Severity:** Error

**Explanation:** Event handler cannot keep up with the rate of incoming asynchronous actions. Events will be switched to synchronous

**Recommended Action:** Use the repeat interval command

**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.

**FILE\_COPY\_ERROR:** An error occurred when copying from *%s* to *%s* (*%s*).

**Severity:** Error

**Explanation:** An error occurred when copying a file in the file system.

**Recommended Action:** This may indicate a serious hardware or software problem. Please check free space and integrity of the file system. If the problem persists, please contact technical support.

**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.

**LOCK\_CONTENTION:** Unable to acquire Activity lock in %ss while running command '%s'.

**Severity:** Notice

**Explanation:** Agent was slow to acquire activity lock.

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

**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.

**MEMORY\_EXHAUSTION\_CLI\_SCHEDULER\_DISABLED:** CliScheduler is disabled. All subsequent scheduled CLI execution jobs will be skipped.

**Severity:** Notice

**Explanation:** CliScheduler is disabled due to memory exhaustion on the system.

**Recommended Action:** Please try to disable features, then run 'reset system memory exhaustion'.

**MEMORY\_MONITOR\_DISABLED:** Memory monitoring feature has been disabled via CLI command

**Severity:** Notice

**Explanation:** User has issued command to disable memory monitoring feature.

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

**MEMORY\_MONITOR\_ENABLED:** Memory monitoring feature has been enabled via CLI command

**Severity:** Notice

**Explanation:** User has issued command to enable memory monitoring feature.

**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%

**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.

**SERVICE\_FILESYSTEM\_FULL:** Write to %s for service '%s' failed because the filesystem is full

**Severity:** Warning

**Explanation:** A service attempted to write a file and failed because the filesystem is full

**Recommended Action:** Please delete unused files to free up space.

**SSH\_HOST\_KEY\_REGENERATED:** SSH host keys associated with a different system (%s). Regenerating SSH host keys.

**Severity:** Info

**Explanation:** Software has detected 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.

**SSH\_HOST\_KEY\_UPDATED:** SSH host key %s has been updated. The %s hash of public key %s fingerprint is %s.

**Severity:** Info

**Explanation:** Software has detected that the SSH host keys on this system has been updated. This can happen when a modular system supervisor is moved to a different chassis, a user requests to reset the host key, the host key file is being created for the first time, or the host key file is somehow deleted.

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

**SWI\_UNSUPPORTED:** The boot image does not support the system (%s)

**Severity:** Warning

**Explanation:** Architecture of booted image is unsupported for current platform

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

**SYSTEM\_CLEANUP\_FAILED:** System Cleanup after cli configuration by %s on %s (%s) failed

**Severity:** Notice

**Explanation:** The system is taking a long time to clean 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.

**SYSTEM\_INFO:** %s

**Severity:** Info

**Explanation:** [ information log message ]

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

**SYSTEM\_INITIALIZATION\_TIMEOUT:** System is declared initialized (some agents such as %s are not ready)

**Severity:** Warning

**Explanation:** The system has taken enough time to initialize even though some agents have not finished initialization. Some features might be affected.

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

**SYSTEM\_INITIALIZED:** System is initialized

**Severity:** Notice

**Explanation:** The initial set of running agents have initialized and the system is ready

**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.

## 2.159 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\_FROM\_BOOT\_IMAGE:** Local startup-config was overwritten by boot image %s

**Severity:** Info

**Explanation:** The startup-config file packaged inside the boot image was written to /mnt/flash/startup-config. In order to ensure the integrity of that signed config, any untrusted files in /mnt/flash were deleted.

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

**STARTUP\_CONFIG\_PARSE\_ERROR:** Errors encountered in parsing the startup-config

**Severity:** Error

**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 expected timeout.

**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.

## 2.160 SZTP Messages

**BOOTSTRAP\_COMPLETE:** The SZTP onboarding provisioning process successfully completed

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning has completed onboarding the device.

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

**BOOTSTRAP\_CONNECT\_FAILED:** Failed to connect to %s SZTP bootstrap server %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to establish a secure connection to SZTP bootstrap Restconf server. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** Check the SZTP Server URI and ensure the bootstrap server is accessible.

**BOOTSTRAP\_DOWNLOAD:** Attempting to download SZTP conveyed-info from %s

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning is attempting to download conveyed-info from the URI specified in the received DHCP/Restconf response.

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

**BOOTSTRAP\_DOWNLOAD\_FAIL:** Failed to download the SZTP conveyed-info from %s (HTTP: %d). Error: %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to download the conveyed-info from the URI specified in the received DHCP/Restconf response. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** Check the URI specified in the DHCP response.

**BOOTSTRAP\_INFO\_PARSING\_FAILED:** Failed to parse the SZTP conveyed-info artifacts

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to parse the conveyed-info artifacts from the URI specified in the received DHCP/Restconf 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.

**BOOTSTRAP\_INFO\_PARSING\_SUCCESS:** Successfully parsed the SZTP conveyed-info artifacts

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning successfully parsed the conveyed-info artifacts from the URI specified in the received DHCP/Restconf response.

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

**BOOTSTRAP\_NOT\_ACCEPTED:** Unsigned SZTP conveyed-info not accepted from untrusted host %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning did not accept the conveyed-info from the URI specified in the received DHCP/Restconf response. Data must either be signed or the connection must be trusted. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** Ensure SZTP conveyed-info is signed or the connection is trusted

**BOOT\_IMAGE\_CONNECT\_FAIL:** Unable to connect to any URI contained in the SZTP boot-image download-uri(s)

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning was unable to establish a connection to any boot-image download-uri(s). 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.

**BOOT\_IMAGE\_DOWNLOAD:** Attempting to download SZTP onboarding boot-image from %s

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning is attempting to download the onboarding boot-image from the boot-image configuration specified in the SZTP onboarding-information.

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

**BOOT\_IMAGE\_DOWNLOAD\_FAIL:** Failed to download the SZTP boot-image from %s (%s: %s)

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to download the boot-image from the URI specified in the onboarding-info. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** Check the download-uri specified in the SZTP onboarding-info.

**BOOT\_IMAGE\_DOWNLOAD\_TIMEOUT:** Timed out trying to download the SZTP boot-image from %s after %u seconds

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning timed out trying to download the boot-image from the download-uri specified in the conveyed-info. 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.

**BOOT\_IMAGE\_MATCH:** The SZTP boot-image (os-name '%s', os-version '%s') is already installed

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning has verified the installed image matches the boot-image credentials specified in the SZTP onboarding-information.

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

**BOOT\_IMAGE\_OS\_UNSPECIFIED:** The SZTP boot-image os-name/os-version is unspecified, continuing onboarding process

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning boot-image os-name/os-version is unspecified in the onboarding-information. The SZTP onboarding process will skip verifying the installed boot-image

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

**BOOT\_IMAGE\_URI\_CONNECT\_FAIL:** Failed to establish a connection to the SZTP boot-image download-uri %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to establish a connection to the boot-image download-uri. 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.

**BOOT\_IMAGE\_URI\_UNSPECIFIED:** SZTP boot-image download-uri unspecified

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning boot-image download-uri is unspecified in the onboarding-information. 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.

**BOOT\_IMAGE\_URI\_UNSUPPORTED\_SCHEME:** SZTP boot-image download-uri %s specifies an unsupported scheme

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning boot-image download-uri specifies an unsupported scheme.

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

**BOOT\_IMAGE\_VERIFICATION\_FAIL:** The SZTP onboarding boot-image %s hash-value verification failed

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to verify the boot-image hash-value specified in the onboarding-info. 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.

**BOOT\_IMAGE\_VERIFICATION\_PASS:** The SZTP onboarding boot-image %s hash-value verification passed

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning verified the boot-image hash-value specified in the onboarding-info.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_WRITE\_FAIL:** Failed to save the SZTP conveyed-info artifact to %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to save the conveyed-info artifact to a temporary file. 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\_WRITE\_SUCCESS:** Successfully saved SZTP conveyed-info artifact to %s

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning successfully saved the conveyed-info artifact to a temporary file.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_BOOT\_IMAGE\_SCRIPT:** Executing the SZTP onboarding boot-image install script

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning is executing the onboarding boot-image install script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_BOOT\_IMAGE\_SCRIPT\_FAIL:** The SZTP onboarding boot-image install script exited with error code: (%s) %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to execute the SZTP onboarding boot-image install script. This usually indicates a problem executing the script or the script exited with a non zero return code. 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.

**EXEC\_BOOT\_IMAGE\_SCRIPT\_SIGNALED:** The SZTP onboarding boot-image script exited with an uncaught signal. Signal code: %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to execute the onboarding boot-image script. This usually indicates a problem executing the script. 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.

**EXEC\_BOOT\_IMAGE\_SCRIPT\_SUCCESS:** Successfully executed the SZTP onboarding boot-image install script

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning successfully executed the SZTP onboarding boot-image install script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_BOOT\_IMAGE\_SCRIPT\_TIMEOUT:** Timed out executing the SZTP onboarding boot-image install script after %u seconds

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning timed out after waiting long enough for the onboarding boot-image install script to complete execution. This usually indicates a problem with the script. 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.

**EXEC\_POST\_CONFIG\_SCRIPT:** Executing the SZTP onboarding post-configuration script

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning is executing the onboarding post-configuration script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_POST\_CONFIG\_SCRIPT\_FAIL:** The SZTP onboarding post-configuration script exited with error code: (%s) %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to execute the onboarding post-configuration script. This usually indicates a problem executing the script or the script exited with a non zero return code. 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.

**EXEC\_POST\_CONFIG\_SCRIPT\_SUCCESS:** Successfully executed the SZTP onboarding post-configuration script

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning successfully executed the onboarding post-configuration script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_POST\_SCRIPT\_SIGNALED:** The SZTP onboarding post-configuration script exited with an uncaught signal. Signal code: %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to execute the onboarding post-configuration script. This usually indicates a problem executing the script. 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.

**EXEC\_POST\_SCRIPT\_TIMEOUT:** Timed out executing the SZTP onboarding post-configuration script after %u seconds

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning timed out after waiting long enough for the onboarding post-configuration script to complete execution. This usually indicates a problem with the script. 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.

**EXEC\_PRE\_CONFIG\_SCRIPT:** Executing the SZTP onboarding pre-configuration script

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning is executing the onboarding pre-configuration script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_PRE\_CONFIG\_SCRIPT\_FAIL:** The SZTP onboarding pre-configuration script exited with error code: (%s) %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to execute the SZTP onboarding pre-configuration script. This usually indicates a problem executing the script or the script exited with a non zero return code. 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.

**EXEC\_PRE\_CONFIG\_SCRIPT\_SUCCESS:** Successfully executed the SZTP onboarding pre-configuration script

**Severity:** Info

**Explanation:** The Secure Zero Touch Provisioning successfully executed the SZTP onboarding pre-configuration script.

**Recommended Action:** No action is required – this message is for information only.

**EXEC\_PRE\_SCRIPT\_SIGNALED:** The SZTP onboarding pre-configuration script exited with an uncaught signal. Signal code: %s

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning failed to execute the onboarding pre-configuration script. This usually indicates a problem executing the script. 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.

**EXEC\_PRE\_SCRIPT\_TIMEOUT:** Timed out executing the SZTP onboarding pre-configuration script after %u seconds

**Severity:** Warning

**Explanation:** The Secure Zero Touch Provisioning timed out after waiting long enough for the onboarding pre-configuration script to complete execution. This usually indicates a problem with the script. 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.

## 2.161 TAPAGG Messages

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all Tap Ports/TapAgg Policy-Maps

**Severity:** Error

**Explanation:** The switch is unable to program all Tap Ports/TapAgg Policy Maps due to insufficient hardware resources.

**Recommended Action:** Reconfigure your TapAgg Policy-Maps or Tap ports.

**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.

**POLICY\_DENY\_RULE\_UNSUPPORTED:** Unsupported deny rule found while programming the policy map %s on %s

**Severity:** Notice

**Explanation:** The named policy map is programmed with no action for any associated deny rules, in place of a drop action, because the drop action is not supported on the named device.

**Recommended Action:** Remove deny rules specified in the named policy map.

**TIMESTAMP\_FEATURE\_OVERRIDE:** "%s" feature disabled on %s due to shared resources with timestamping.

**Severity:** Warning

**Explanation:** Traffic will contain a timestamp, but will not be further modified as would be applicable by the disabled feature(s).

**Recommended Action:** Timestamping can be disabled on the relevant interface(s), if preferred.

## 2.162 TCAM Messages

**ACTION\_NOT\_AVAILABLE:** The %s action required to support the %s feature is not present in the TCAM profile configured on %s

**Severity:** Warning

**Explanation:** A setting requires an action that is not present in the corresponding feature's definition. The feature will not work correctly.

**Recommended Action:** Add the action to the correct feature in the TCAM profile.

**FEATURE\_NOT\_SUPPORTED:** The %s feature is not supported in the TCAM profile programmed on %s. %s failed to program

**Severity:** Warning

**Explanation:** The feature's TCAM rules were not programmed in the hardware

**Recommended Action:** Please use a TCAM profile that supports this feature

**HARDWARE\_RESOURCE\_FULL:** Hardware resources are insufficient to program %s feature.

**Severity:** Error

**Explanation:** The switch is unable to program the feature due to insufficient hardware resources. The feature might not work correctly.

**Recommended Action:** Free up some TCAM banks or ACLs to get TCAM resources to accommodate the entries for the feature

**KEY\_FIELD\_INCORRECT:** The %s key field included in feature '%s' is incorrect.

**Severity:** Warning

**Explanation:** This key field may match on random packet contents and result in unexpected matches.

**Recommended Action:** Remove the key field from the feature in the TCAM profile

**PROFILE\_IMPORT\_FAILED:** Failed to import profile %s from source %s. Possible reason: %s. Please check source's validity.

**Severity:** Error

**Explanation:** This TCAM profile is set up with a non-static source to load its contents. The Source is a local file and must be available at the time of import. The content in the file must conform to the profile configuration syntax.

**Recommended Action:** Check the source and contents of the file.

**PROFILE\_IMPORT\_SUCCESS:** Successfully imported TCAM profile %s from source %s.

**Severity:** Info

**Explanation:** This TCAM profile is set up with a local file and must be available at the time of import. The content of the file must conform to the profile configuration syntax.

**Recommended Action:** No action is required – this message is for information only.

**PROGRAMMING\_FAILURE:** Failed to program configured TCAM profile %s on %s (%s)

**Severity:** Error

**Explanation:** Switch ASIC cannot be programmed with the user defined profile

**Recommended Action:** Reconfigure hardware tcam

**PROGRAMMING\_WARNING:** %s in TCAM profile %s on %s

**Severity:** Warning

**Explanation:** Configurations in the user TCAM profile are ignored

**Recommended Action:** No action is required – this message is for information only.

## 2.163 TCP Messages

**BDAUTH:** 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.

## 2.164 TCPAO Messages

**MKT\_CHANGE\_ERROR:** TCP AO cannot update an already in-use MKT ( id=%s, profile name=%s ) on connection from %s on port %s to %s on port %s.

**Severity:** Error

**Explanation:** TCP AO does not support changing an MKT during a connection. See RFC 5925 section 3.1: MKT component values cannot change during a connection because TCP state is coordinated during connection establishment. TCP lacks a handshake for modifying that state after a connection has been established.

**Recommended Action:** MKT components change failed or not supported. Please change it back to the original. To update a MKT component, a new MKT can be installed by adding a new secret to the shared secret profile associated with this socket. The new secret can use either a higher ID value than or a lifetime duration which starts after the secret to be changed. TCP AO will rekey the connection to use the new key. It is important to update the remote end of the TCP connection to use the new MKT.

**MKT\_FORCE\_REMOVE:** TCP AO is forcibly removing an in-use MKT id=%s on connection from %s on port %s to %s on port %s.

**Severity:** Error

**Explanation:** TCP AO does not support removing an MKT being used by an active connection. This error occurs when the remote end of the TCP session has failed to rekey the connection with a new MKT.

**Recommended Action:** Verify both ends of the TCP session are using the same MKT. If this is the case, and the connection is still not transmitting data, reset the TCP connection and contact your technical support representative.

## 2.165 TRAFFICPOLICY Messages

**EGRESS\_LOG:** Traffic policy %s match rule %s with 'out' direction dropped %s %s -> %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' action in the specified egress traffic policy.

**Recommended Action:** No action is required – this message is for information only.

**EGRESS\_LOG\_TUNNEL:** Traffic policy %s match rule %s with 'out' direction dropped %s %s -> %s / %s %s -> %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' action in the specified egress traffic policy.

**Recommended Action:** No action is required – this message is for information only.

**FIELD\_SET\_IMPORT\_FAILED:** Failed to import %s field-set %s from source %s. Possible reason: %s. Please check the source's validity.

**Severity:** Error

**Explanation:** This field-set is set up with an import source URL to load its contents. The source is either a local file or a remote URL and must be available at the time of import. The entries in the file must conform to the field-set entry syntax.

**Recommended Action:** Check the URL and contents of the file.

**FIELD\_SET\_IMPORT\_SUCCEEDED:** Successfully imported %s field-set %s from source %s.

**Severity:** Info

**Explanation:** This field-set is set up with an import source URL to load its contents. The source is either a local file or a remote URL and must be available at the time of import. The entries in the file must conform to the field-set entry syntax.

**Recommended Action:** No action is required – this message is for information only.

**HW\_RESOURCE\_FULL:** Failed programming %d %s rules for the CPU traffic policy '%s' on %s: Rules exceed hardware capacity.

**Severity:** Error

**Explanation:** The switch is unable to program all CPU traffic policy rules due to insufficient hardware resources.

**Recommended Action:** Reduce number of CPU traffic policy rules or reconfigure other features to free up hardware resources for CPU traffic policy

**HW\_RESOURCE\_NORMAL:** Successfully programmed %d %s rules for the CPU traffic policy '%s' on %s: Rules are within hardware capacity limits.

**Severity:** Error

**Explanation:** The switch was able to program all CPU traffic policy rules in the hardware.

**Recommended Action:** No action is required – this message is for information only.

**INGRESS\_LOG:** Traffic policy %s match rule %s on %s with 'in' direction dropped %s %s -> %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' action in the specified ingress traffic policy.

**Recommended Action:** No action is required – this message is for information only.

**INGRESS\_LOG\_TUNNEL:** Traffic policy %s match rule %s on %s with 'in' direction dropped %s %s -> %s / %s %s -> %s

**Severity:** Info

**Explanation:** A packet has matched one of the rules with 'log' action in the specified ingress traffic policy.

**Recommended Action:** No action is required – this message is for information only.

**LEM\_OVERFLOW:** LEM has overflowed on fap %s

**Severity:** Error

**Explanation:** LEM has overflowed in programming traffic policy transformation.

**Recommended Action:** No action is required – this message is for information only.

**LEM\_RECOVER:** LEM programming has recovered on fap %s

**Severity:** Info

**Explanation:** LEM programming of traffic policy transformation is successful after earlier failure.

**Recommended Action:** No action is required – this message is for information only.

**POLICER\_RESOURCE\_FULL:** Insufficient hardware resources to program the police action for the CPU traffic policy '%s' on %s %s.

**Severity:** Error

**Explanation:** Reconfigure CPU traffic policy or other features to use fewer rules with police actions to free up hardware resources.

**Recommended Action:** No action is required – this message is for information only.

**UNKNOWN\_LOG:** unknown rule on %s dropped %s %s -> %s

**Severity:** Info

**Explanation:** A packet has matched an unknown rule with 'log' action

**Recommended Action:** No action is required – this message is for information only.

**UNKNOWN\_LOG\_TUNNEL:** unknown rule on %s dropped %s %s -> %s / %s %s -> %s

**Severity:** Info

**Explanation:** A packet has matched an unknown rule with 'log' action

**Recommended Action:** No action is required – this message is for information only.

## 2.166 TRANSCEIVER Messages

**ASSERTION\_ERROR:** An unexpected internal error has occurred in the Xcvr library with %s.

**Severity:** Error

**Explanation:** An unexpected internal error has occurred.

**Recommended Action:** Contact your support representative.

**DATA\_NOT\_READY\_TIMEOUT:** Transceiver for interface %s has not declared itself ready after multiple resets and has been assumed ready. Manufacturer: %s model: %s part number: %s rev: %s serial number: %s

**Severity:** Warning

**Explanation:** The transceiver keeps the data\_not\_ready flag asserted after multiple resets. The module has been assumed ready, but this may indicate a faulty or poorly behaving module. Contact the transceiver manufacturer.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**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.

**DOM\_THRESHOLD\_OVERRIDE\_FAILED:** %s doesn't exist or contains errors.

**Severity:** Error

**Explanation:** The transceiver DOM thresholds weren't overridden.

**Recommended Action:** Check the DOM threshold file to make sure it exists and has the right format.

**DOM\_THRESHOLD\_OVERRIDE\_WARNING:** Custom-defined DOM thresholds have been enabled, and will be used instead of the manufacturer-defined thresholds.

**Severity:** Warning

**Explanation:** Custom DOM thresholds have been enabled by the transceiver dom-threshold command. These thresholds will apply to modules meeting the custom-defined conditions. The custom DOM thresholds will now be used in place of manufacturer-defined thresholds.

**Recommended Action:** Ensure the custom DOM thresholds are appropriate for the matching transceivers.

**EEPROM\_CHECKSUM\_ERROR:** Transceiver for interface %s has checksum errors %s Manufacturer: %s model: %s rev: %s serial number: %s

**Severity:** Warning

**Explanation:** The transceiver has checksum errors. Please contact the manufacturer for support.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FEC\_DETECTED\_DEGRADE\_ALARM:** %s Pre-FEC BER is at or above the raise alarm threshold of %s

**Severity:** Warning

**Explanation:** The transceiver FEC detected degrade monitor is currently reporting a value above the raise alarm threshold.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FEC\_DETECTED\_DEGRADE\_ALARM\_RECOVERED:** %s Pre-FEC BER is at or below the clear alarm threshold of %s

**Severity:** Warning

**Explanation:** The transceiver FEC detected degrade monitor is currently reporting a value below the clear alarm threshold.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FEC\_EXCESSIVE\_DEGRADE\_ALARM:** %s Pre-FEC BER is at or above the raise alarm threshold of %s

**Severity:** Error

**Explanation:** The transceiver FEC excessive degrade monitor is currently reporting a value above the raise alarm threshold.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FEC\_EXCESSIVE\_DEGRADE\_ALARM\_RECOVERED:** %s Pre-FEC BER is at or below the clear alarm threshold of %s

**Severity:** Error

**Explanation:** The transceiver FEC excessive degrade monitor is currently reporting a value below the clear alarm threshold.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**FIRMWARE\_ACTIVATED\_STANDBY:** Activated standby firmware version (%s) for the transceiver in slot %s

**Severity:** Info

**Explanation:** The inactive firmware version has been activated on the inserted transceiver

**Recommended Action:** No action is required – this message is for information only.

**FIRMWARE\_CDB\_ERROR:** Failed to execute the %s firmware command for the transceiver in slot %s

**Severity:** Info

**Explanation:** An ongoing firmware command has not finished successfully

**Recommended Action:** No action is required – this message is for information only.

**FIRMWARE\_OPERATION\_STARTED:** Started to process the %s firmware command for the transceiver in slot %s

**Severity:** Info

**Explanation:** A firmware management command has been issued on the inserted transceiver

**Recommended Action:** No action is required – this message is for information only.

**FIRMWARE\_OPERATION\_TERMINATED:** Forcefully terminated the %s operation for the transceiver in slot %s

**Severity:** Info

**Explanation:** An ongoing firmware update process has been forcefully terminated

**Recommended Action:** No action is required – this message is for information only.

**FIRMWARE\_UPDATED:** Finished updating firmware to a new version (%s) for the transceiver in slot %s

**Severity:** Info

**Explanation:** Firmware version has been updated and activated on the inserted transceiver

**Recommended Action:** No action is required – this message is for information only.

**FIRMWARE\_UPDATED\_INACTIVE:** Finished updating the inactive firmware to a new version (%s) for the transceiver in slot %s

**Severity:** Info

**Explanation:** The inactive firmware has been updated to a new version

**Recommended Action:** Execute the 'transceiver firmware activate-standby slot X' on the appropriate interface to activate the new firmware version

**FIRMWARE\_UPDATE\_ABORTED:** Aborted the firmware update process for the transceiver in slot %s

**Severity:** Info

**Explanation:** An ongoing firmware update process has been aborted and the transceiver's firmware was restored to its original state

**Recommended Action:** No action is required – this message is for information only.

**FREQUENCY\_MISCONFIGURED:** Transceiver for interface %s has an unconfigured or misconfigured frequency or channel.

**Severity:** Warning

**Explanation:** Installed transceiver is disabled until a supported frequency or channel is configured.

**Recommended Action:** Configure transceiver with a supported frequency or channel.

**INCOMPATIBLE:** The transceiver for interface %s has been disabled because it is not compatible. (transceiver type %s manufacturer %s model %s serial number %s)

**Severity:** Error

**Explanation:** The transceiver is not compatible. It has been disabled

**Recommended Action:** Replace the transceiver with a compatible one

**INIT\_COMPLETE\_TIMEOUT:** Transceiver for interface %s has not completed initialization within 60 seconds and has been assumed ready. Manufacturer: %s model: %s part number: %s rev: %s serial number: %s

**Severity:** Warning

**Explanation:** The transceiver supports indicating when initialization is complete, but has not indicated within 60 seconds. The module has been assumed ready, but this may indicate a faulty or poorly behaving module. Contact the transceiver manufacturer.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**LOOPBACK\_CONF:** Loopback for transceiver in slot %s with traffic source %s on %s side has been configured on lane(s) %s

**Severity:** Info

**Explanation:** The transceiver will now loopback the traffic on the specified lanes according to the configured mode

**Recommended Action:** No action is required – this message is for information only.

**LOOPBACK\_UNCONF:** Loopback for transceiver in slot %s with traffic source %s on %s side has been unconfigured on lane(s) %s

**Severity:** Info

**Explanation:** The transceiver will now resume normal operation on the specified lanes

**Recommended Action:** No action is required – this message is for information only.

**POWER\_CLASS\_UNSUPPORTED:** The transceiver in slot %s is disabled, as it requires more power than can be provided in this slot. Manufacturer: %s model: %s rev: %s serial number: %s Maximum power available: %fW Transceiver power request: %fW

**Severity:** Warning

**Explanation:** The inserted transceiver requires more power than can be provided by the slot.

**Recommended Action:** Check the product documentation to see if other slots may support the power requirements of this transceiver.

**POWER\_CYCLE:** Transceiver slots %s were power cycled.

**Severity:** Info

**Explanation:** The transceivers were power cycled due to user configuration.

**Recommended Action:** No action is required – this message is for information only.

**POWER\_IGNORED:** The transceiver in slot %s may require more power than can be provided in this slot. Manufacturer: %s model: %s rev: %s serial number: %s Maximum power available: %fW Transceiver power request: %fW

**Severity:** Warning

**Explanation:** The inserted transceiver may require more power than can be provided by the slot.

**Recommended Action:** Check the product documentation to verify that the actual power required by the transceiver can be provided by the slot.

**SFP\_SW\_RX\_LOS\_UNSUPPORTED:** The transceiver in interface %s does not support software RX\_LOS, which is required when operating in a %s transceiver slot. The transceiver will be enabled with this limitation. However, link up and link down events may be unreliable. Manufacturer: %s model: %s rev: %s serial number: %s.

**Severity:** Warning

**Explanation:** The transceiver will be enabled without support of software RX\_LOS. However, link up and link down events may be unreliable.

**Recommended Action:** No action is required – this message is for information only.

**SFP\_SW\_TX\_DISABLE\_UNSUPPORTED:** The transceiver in interface %s does not support software TX\_DISABLE, which is required when operating in a %s transceiver slot. The transceiver will be enabled with this limitation. However, the interface shutdown command and other related functions may not work as expected. Manufacturer: %s model: %s rev: %s serial number: %s.

**Severity:** Warning

**Explanation:** The transceiver will be enabled without support of software TX\_DISABLE. However, the interface shutdown command and other related functions may not work as expected.

**Recommended Action:** No action is required – this message is for information only.

**SFP\_SW\_TX\_FAULT\_UNSUPPORTED:** The transceiver in interface %s does not support software TX\_FAULT, which is required when operating in a %s transceiver slot. The transceiver will be enabled with this limitation. However, the TX\_FAULT signal will be unavailable for link diagnostics. Manufacturer: %s model: %s rev: %s serial number: %s.

**Severity:** Warning

**Explanation:** The transceiver will be enabled with this limitation. However, the TX\_FAULT signal will be unavailable for link diagnostics.

**Recommended Action:** No action is required – this message is for information only.

**SMBUS\_COMMUNICATION\_FAILURE:** Transceiver for interface %s is unresponsive to SMBus and is being marked as faulty. Vendor: %s, model: %s, rev: %s, serial number: %s

**Severity:** Error

**Explanation:** The transceiver is not responding to SMBus transactions and is being marked as faulty. This will result in a module presence change.

**Recommended Action:** Replace transceiver.

**SW\_TX\_DISABLE\_UNSUPPORTED:** The transceiver in interface %s does not support software TX disable.

**Severity:** Warning

**Explanation:** The transceiver in interface %s does not support software TX disable, which is required when using a QSFP28-to-SFP28 Adapter (QSA28). The module will be enabled. However, the interface shutdown command and other related functions may not work as expected.

**Recommended Action:** No action is required – this message is for information only.

**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.

**UNSUPPORTED:** The transceiver for interface %s is unsupported (transceiver serial number %s)

**Severity:** Info

**Explanation:** The transceiver is unsupported.

**Recommended Action:** No action is required – this message is for information only.

## 2.167 TUNNEL Messages

**HW\_RESOURCE\_FULL:** Hardware resources are insufficient to program all tunnels.

**Severity:** Error

**Explanation:** The switch is unable to program all tunnels due to insufficient hardware resources. Packets to/from one or more tunnels may not get forwarded in hardware.

**Recommended Action:** Reconfigure your network to reduce the number of tunnels in the switch.

**HW\_RESOURCE\_NORMAL:** Hardware resources to program tunnels are recovered.

**Severity:** Error

**Explanation:** The switch was able to program all tunnels in hardware.

**Recommended Action:** No action is required – this message is for information only.

**SOURCE\_ADDRESS\_RESOURCE\_FULL:** A secure tunnel cannot be programmed in hardware because the number of local source addresses exceeds the maximum limit (%d)

**Severity:** Error

**Explanation:** The switch is unable to program a secure tunnel because too many local source addresses have been configured

**Recommended Action:** Reduce the number of local source addresses used in secure tunnels

## 2.168 TUNNELINTF Messages

**KERNEL\_DEVICE\_ERROR:** An error (%s) occurred while configuring the kernel device for %s

**Severity:** Warning

**Explanation:** Try removing and re-adding the interface from the configuration

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**LOOP\_DETECTED:** A loop has been detected while resolving tunnel underlay destination (%s) for %s

**Severity:** Warning

**Explanation:** A tunnel underlay destination should not recursively resolve over the same tunnel

**Recommended Action:** Please remove the route causing the loop

## 2.169 UCMP Messages

**RESOURCE\_THRESHOLD\_HIGH:** UCMP routes hardware resource utilization is exceeding the configured trigger threshold.

**Severity:** Error

**Explanation:** The switch is running out of hardware resource for programming new routes in the routing table due to high usage by UCMP routes.

**Recommended Action:** To solve this issue, reconfigure the network to reduce the UCMP entries in the routing table

**RESOURCE\_THRESHOLD\_NORMAL:** UCMP routes hardware resource utilization is now lower than the configured clear threshold.

**Severity:** Error

**Explanation:** The switch is back to configured clear(normal) threshold for UCMP routes hardware resource utilization.

**Recommended Action:** No action is required – this message is for information only.

## 2.170 UNEXPECTED Messages

**IPV6\_NEIGHBOR\_ADVERTISEMENT\_DROPPED:** An IPv6 neighbor advertisement packet received on SVI %s, in the absence of both ipv6 address virtual and ipv6 virtual-router configurations or isn't destined to virtual MAC (when ipv6 address virtual is configured) or bridge MAC (when ipv6 virtual-router is configured), has been dropped.

**Severity:** Notice

**Explanation:** Only the IPv6 neighbor advertisement packets destined to either virtual MAC (when ipv6 address virtual is configured) or bridge MAC (when ipv6 virtual-router is configured) would be handled by the VxlanSwFwd agent.

**Recommended Action:** No action is required – this message is for information only.

## 2.171 UNKNOWN Messages

**CARD\_INSERTED:** Unable to determine if %s (%s\_%s) is compatible with the other chips in the system.

**Severity:** Error

**Explanation:** A system with incompatible chips is unsupported and may lead to agent restarts. To recover, remove the incompatible chips from the system.

**Recommended Action:** No action is required – this message is for information only.

**UCAST\_PACKET\_RECEIVED:** Received unknown unicast packet for lossless priority %s on the switch

**Severity:** Warning

**Explanation:** The switch received and dropped packet(s) addressed to an unknown unicast MAC address using a lossless priority.

**Recommended Action:** No action is required – this message is for information only.

## 2.172 UNSUPPORTED Messages

**MULTICAST\_FORWARDING\_MODE:** Unsupported multicast forwarding mode override set.

**Severity:** Warning

**Explanation:** Disabling multicast forwarding mode override.

**Recommended Action:** No action is required – this message is for information only.

## 2.173 UPDATE Messages

**SIZE\_EXCEEDED:** BGP is unable to construct an update for route (%A/%d) as the BGP message would be too large to send. Attribute path length requires at least %u bytes.

**Severity:** Warning

**Explanation:** A BGP update message for given route was generated which is too large to send. BGP limits the maximum message size. If BGP generates an update message that exceeds this maximum message size, then the update message is not sent as the peer would reject it. This occurs when the length of the path attributes for the route is near to or exceeds the maximum message size.

**Recommended Action:** Check the route to see if it has any large attributes. A large ASPATH could indicate a ASPATH loop has formed. A router could also be attaching large unknown transitive attributes. Take steps to reduce the attribute length for affected routes.

## 2.174 UPRF Messages

**HFEC\_CONFLICT:** Unicast RPF configuration conflicts with hierarchical FEC configuration

**Severity:** Warning

**Explanation:** Routed packets ingressing on unicast RPF enabled interfaces and egressing out of hierarchical next hops may not be forwarded as expected

**Recommended Action:** Configuring "ip hardware fib hierarchical next hop urpf" will resolve the conflict.

**HFEC\_NO\_CONFLICT:** Unicast RPF configuration no longer conflicts with hierarchical FEC configuration

**Severity:** Warning

**Explanation:** Routed packets ingressing on unicast RPF enabled interfaces will be forwarded as expected.

**Recommended Action:** No action is required – this message is for information only.

## 2.175 VLAN Messages

**DYN\_VLAN\_ALLOCATION\_FAILURE:** Dynamic VLAN allocation failed for key %s

**Severity:** Error

**Explanation:** Dynamic VLAN allocation can fail if there are no free VLANs available in the configured internal VLAN range.

**Recommended Action:** Please consider updating the VLAN configuration including internal VLAN range to allow allocation of more dynamic VLANs.

**DYN\_VLAN\_ALLOCATION\_FAILURE\_RECOVERED:** Successful dynamic VLAN allocation for key %s with internal VLAN %s

**Severity:** Error

**Explanation:** Previously failed dynamic VLAN allocation is now successful

**Recommended Action:** No action is required – this message is for information only.

## 2.176 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.

## 2.177 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.

**VCENTER\_CONNECTED:** VmTracer agent successfully connected to vCenter %s.

**Severity:** Info

**Explanation:** The VmTracer agent was successfully able to establish connection with the vCenter

**Recommended Action:** No action is required – this message is for information only.

**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.

## 2.178 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.

**CONNECTION\_SUCCESSFUL:** Successfully connected to VShield Manager.

**Severity:** Info

**Explanation:** The VM Tracer agent was able to successfully establish connection with the VShield Manager

**Recommended Action:** No action is required – this message is for information only.

**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.

## 2.179 VNI Messages

**QOS\_METER\_BURST\_UNIT\_NOT\_SUPPORTED:** Unable to program the policer configuration %s on VLAN %d due to policer profile configuration burst unit mismatch.

**Severity:** Warning

**Explanation:** The specified policer configuration could not be programmed on the specified VLAN. The policer configuration on the specified VLAN remains unchanged

**Recommended Action:** Apply a policer configuration with burst units in bytes, Kbytes or Mbytes.

**QOS\_METER\_RATE\_UNIT\_NOT\_SUPPORTED:** Unable to program the policer configuration %s on VLAN %d due to policer profile configuration rate unit mismatch.

**Severity:** Warning

**Explanation:** The specified policer configuration could not be programmed on the specified VLAN. The policer configuration on the specified VLAN remains unchanged.

**Recommended Action:** Apply a policer configuration with rate units in bytes per second(bps),Kbytes per second(Kbps) or Mbytes per second(Mbps).

## 2.180 VPLS Messages

**PW\_STATUS\_CHANGE:** VPLS %s neighbor %s pseudowire %s new state: %s

**Severity:** Info

**Explanation:** The state of the VPLS pseudowire has changed.

**Recommended Action:** No action is required – this message is for information only.

**VLANBUNDLE\_EVPN\_INTEGRATION\_CONFLICT:** Conflict detected in the VLAN configuration of VPLS instance %s that is configured for integration with EVPN

**Severity:** Warning

**Explanation:** A VPLS instance that is configured for an integration with EVPN must have VLANs identical to that of the respective EVPN VLAN-aware MAC-VRF

**Recommended Action:** Update the configuration so that the VLANs configured under VPLS instance and the respective EVPN VLAN-aware MAC-VRF are the same.

**VLANBUNDLE\_EVPN\_INTEGRATION\_CONFLICT\_RESOLVED:** Conflict resolved in the VLAN configuration of VPLS instance %s that is configured for integration with EVPN

**Severity:** Warning

**Explanation:** A previously detected VLAN configuration conflict of VPLS instance has been resolved

**Recommended Action:** No action is required – this message is for information only.

## 2.181 VRF Messages

**CREATED:** VRF %s has been created with network namespace %s

**Severity:** Info

**Explanation:** The VRF instance has been successfully instantiated and 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 (%s)

**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.

**MAP\_OVERFLOW:** A VRF table used internally to map VRF names to VRF identifiers has overflowed at %u values.

**Severity:** Error

**Explanation:** When this happens, the device may not be able to forward traffic in some VRFs. This is likely caused by configuring more VRFs than the device can support, so a possible solution would be to unconfigure some VRFs.

**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.

**PROTOAGENT\_CLEANUP\_TIMEOUT:** The protocol agent %s for VRF %s has not signaled cleanup-done yet. Proceeding with the removal of the VRF.

**Severity:** Warning

**Explanation:** Timed out waiting for the protocol agent to signal cleanup after the VRF was removed. The VRF cleanup will proceed without waiting for this.

**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.

## 2.182 VRFLEAK Messages

**ROUTE\_FLAPPING:** Leaking the route %s between VRFs %s (%d) and %s (%d) has exceeded flapping of %s load/unload per second and is now blocked

**Severity:** Error

**Explanation:** The specified route has exceeded the leak flapping threshold

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

## 2.183 VRRP Messages

**ADDRESS\_INCOMPATIBLE:** VRRP MAC address %s in %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\_NOT\_PROGRAMMED:** VRRP MAC address %s in %s is not programmed due to exceeding the hardware limitation of 16 unique MAC addresses.

**Severity:** Error

**Explanation:** A maximum number of 16 unique virtual MAC addresses can be programmed.

**Recommended Action:** Remove the incompatible VRRP groups.

**ADDRESS\_RECOVERED:** Successfully programmed VRRP MAC address %s in %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.

**ADDRESS\_RESOURCE\_NORMAL:** Hardware resources are sufficient to enable routing for all VRRP groups.

**Severity:** Error

**Explanation:** The switch was able to program all VRRP groups in the hardware.

**Recommended Action:** No action is required – this message is for information only.

**ADV\_MISMATCH:** Detected mismatched advertisement on %s and group %d from %s

**Severity:** Warning

**Explanation:** The Virtual IPs in VRRP advertisement does not match the configured VRRP virtual IPs

**Recommended Action:** No action is required – this message is for information only.

**AND\_MLAG\_PEER\_MAC\_CONFIGURATION\_CONFLICTING:** VRRP configuration will be ignored because Mlag peerMac is configured.

**Severity:** Error

**Explanation:** VRRP and Mlag peerMac cannot be configured at the same time.

**Recommended Action:** Remove either the VRRP or Mlag peerMac configuration.

**AND\_MLAG\_PEER\_MAC\_CONFIGURATION\_NO\_LONGER\_CONFLICTING:** %s configuration now in effect because %s was deconfigured.

**Severity:** Error

**Explanation:** VRRP and Mlag peerMac configuration no longer conflicting.

**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.

**CONFIGURED\_ADDRESSES\_LIMIT\_EXCEEDED:** Virtual routing configuration, including VARP, MLAG Peer MAC, and VRRP, exceeds the hardware limitation of 16 unique MAC addresses.

**Severity:** Error

**Explanation:** A maximum number of 16 unique virtual routing MAC addresses can be programmed.

**Recommended Action:** Remove the incompatible virtual routing configuration.

**INCOMPATIBLE\_WITH\_MLAG\_PEER\_MAC:** Ignoring VRRP MAC address %s in %s because Mlag peerMac is configured.

**Severity:** Error

**Explanation:** VRRP and Mlag peerMac cannot be configured at the same time.

**Recommended Action:** Remove either the VRRP or Mlag peerMac configuration.

**INCOMPATIBLE\_WITH\_VARP:** Ignoring VRRP MAC address %s in %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.

**NOT\_SUPPORTED:** Forwarding engine doesn't support VRRP. %s

**Severity:** Error

**Explanation:** This forwarding engine doesn't support VRRP.

**Recommended Action:** Please contact customer support if you need VRRP support.

**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 %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.

## 2.184 VXLAN Messages

**ARPREPLY\_VARPMAC\_NOHER\_APPLIED:** Disabling HER naked arp reply to VARP Mac for %s since other clients need it disabled

**Severity:** Notice

**Explanation:** There is another Vxlan client configured which requires arp reply to be disabled. Hence the overall status remains disabled.

**Recommended Action:** No action is required – this message is for information only.

**ARPSNOOPING\_APPLIED:** Enabling vxlan arp snooping for %s since other clients need it enabled

**Severity:** Notice

**Explanation:** There is another Vxlan client configured which requires arp snooping to be enabled. Hence the overall status remains enabled.

**Recommended Action:** No action is required – this message is for information only.

**ARP\_PROXY\_DISABLED\_WITH\_BRIDGED\_ARP\_LEARNING:** ARP Proxy is disabled for %s when bridged ARP learning is also configured.

**Severity:** Warning

**Explanation:** This will result in the local bridged ARP learning not taking effect.

**Recommended Action:** To fix this problem, enable ARP Proxy: under 'router l2-vpn' configuration mode, remove the configured 'arp proxy prefix-list' or its associated 'deny 0.0.0.0/0' entry

**CONTROLPLANE\_DATAPATH\_LEARNING\_NOTAPPLIED:** Not enabling control plane data path learning for %s since other clients need it disabled

**Severity:** Notice

**Explanation:** There is another Vxlan client configured which requires control plane datapath learning to be disabled. Hence the overall status remains disabled.

**Recommended Action:** No action is required – this message is for information only.

**DATAPLANE\_DATAPATH\_LEARNING\_NOTAPPLIED:** Enabling data plane data path learning for %s since other clients need it enabled

**Severity:** Notice

**Explanation:** There is another Vxlan client configured which requires data plane datapath learning to be enabled. Hence the overall status remains enabled.

**Recommended Action:** No action is required – this message is for information only.

**DECAPSULATION\_DISABLED:** VXLAN decapsulation has been disabled on %s because it carries non-default VRF traffic

**Severity:** Warning

**Explanation:** VXLAN decapsulation has been disabled on %s because it carries non-default VRF traffic

**Recommended Action:** To allow VXLAN decapsulation on interfaces that carry both default VRF and non-default VRF traffic issue the command 'vxlan decapsulation filter interface multiple-vrf disabled'. To entirely disable VRF-based VXLAN decapsulation filtering on this switch/router, configure 'vxlan decapsulation filter disabled'.

**DECAPSULATION\_ENABLED:** VXLAN decapsulation has been enabled on %s

**Severity:** Info

**Explanation:** VXLAN decapsulation has been enabled on %s

**Recommended Action:** No action is required – this message is for information only.

**DYNA\_INVALID\_PORT\_NAME:** Dynamic Port-VLAN pair from %s has been ignored: unknown interface name %s.

**Severity:** Warning

**Explanation:** A dynamic Port-VLAN pair has been ignored because the interface name is invalid.

**Recommended Action:** Verify the Port-VLAN pair from the source.

**DYNA\_VLANVNI\_CONFLICT\_CLI\_VLAN:** Dynamic VLAN to VNI mapping (%d to %d) from %s on VTI %s has been ignored because VLAN %d has explicitly been mapped to a different VNI (%d).

**Severity:** Info

**Explanation:** A dynamic VLAN to VNI mapping has been ignored because the specified VLAN has been mapped to a different VNI through a CLI configuration.

**Recommended Action:** Verify the dynamic VLAN to VNI mapping source or change the configured VLAN to VNI mapping. If you are deliberately overriding the dynamic configuration, no action is required

**DYNA\_VLANVNI\_CONFLICT\_CLI\_VNI:** Dynamic VLAN to VNI mapping (%d to %d) from %s on VTI %s has been ignored because VNI %d has explicitly been mapped by a different VLAN (%d).

**Severity:** Info

**Explanation:** A dynamic VLAN to VNI mapping has been ignored because the specified VNI has been mapped by a different VLAN through a CLI configuration.

**Recommended Action:** Verify the dynamic VLAN to VNI mapping source or change the configured VLAN to VNI mapping. If you are deliberately overriding the dynamic configuration, no action is required

**DYNA\_VLANVNI\_CONFLICT\_PEER:** Dynamic VLAN to VNI mapping (%d to %d) from %s on VTI %s has been ignored because it conflicts with other dynamic mappings (%d to %d from %s).

**Severity:** Warning

**Explanation:** A dynamic VLAN to VNI mapping has been ignored because the specified VLAN has been dynamically mapped to a different VNI, or vice versa. All conflicting mappings from dynamic sources have been ignored.

**Recommended Action:** Verify the dynamic VLAN to VNI mapping sources, or configure the intended mapping directly using the CLI configuration for the VTI.

**DYNA\_VLANVNI\_INVALID\_CONFIG:** Dynamic VLAN to VNI mapping from %s has been ignored: a %s VLAN config cannot be applied to %s port %s.

**Severity:** Warning

**Explanation:** A dynamic VLAN to VNI mapping has been ignored because we currently only support non-zero VLAN mappings on trunk ports and zero VLAN mappings on access ports.

**Recommended Action:** Verify the dynamic VLAN to VNI mapping source or change the switch port mode of the interface.

**DYNA\_VLANVNI\_INVALID\_CONFIG\_INTERNAL:** Dynamic VLAN to VNI mapping from %s has been ignored: VLAN %d has already been allocated internally.

**Severity:** Warning

**Explanation:** A dynamic VLAN to VNI mapping has been ignored because the specified VLAN has already been internally reserved by a routed port.

**Recommended Action:** Change the VLAN configured in the mapping.

**DYNA\_VLANVNI\_INVALID\_CONFIG\_PEERLINK:** Dynamic VLAN to VNI mapping from %s has been ignored: VLAN %d has already been allocated to the MLAG peer link SVI.

**Severity:** Warning

**Explanation:** A dynamic VLAN to VNI mapping has been ignored because the specified VLAN has already been allocated to the MLAG peer link SVI.

**Recommended Action:** Change the VLAN configured in the mapping.

**DYNA\_VNI\_CONFLICT\_REMOVED:** Dynamic use of VNI %d from %s has been restored after previously being ignored due to a higher priority input from %s.

**Severity:** Info

**Explanation:** A dynamic use of VNI has been restored due to the higher priority source of configuration for that VNI has stopped using it.

**Recommended Action:** No action is necessary.

**DYNA\_VNI\_CONFLICT\_SOURCE:** Dynamic use of VNI %d from %s has been ignored because it conflicts with other dynamic use of VNI %d from %s, which has higher priority.

**Severity:** Warning

**Explanation:** A dynamic use of VNI has been ignored because the specified VNI is used by a different, higher priority, source.

**Recommended Action:** Verify the configuration of VNIs in the CLI, in controllers, and in EVPN and make sure they use different VNIs.

**INVALID\_IPV6\_MLAG\_VTEP\_ADDRESS:** IPv6 MLAG VTEP address configuration has been ignored due to multiple IPv6 addresses on %s.

**Severity:** Error

**Explanation:** Configuration of the IPv6 MLAG VTEP address is valid when there is only 1 IPv6 address on VXLAN MLAG source interface

**Recommended Action:** Configure a single IPv6 address on the VXLAN MLAG source interface

**INVALID\_IPV6\_VARP\_VTEP\_ADDRESS:** IPv6 virtual VTEP address configuration has been ignored due to multiple IPv6 addresses on %s.

**Severity:** Error

**Explanation:** Configuration of the IPv6 virtual VTEP address is valid when there is only 1 IPv6 address on VXLAN virtual VTEP source interface

**Recommended Action:** Configure a single IPv6 address on the VXLAN virtual VTEP source interface

**INVALID\_IPV6\_VTEP\_ADDRESS:** IPv6 VTEP address configuration has been ignored due to multiple IPv6 addresses on %s.

**Severity:** Error

**Explanation:** Configuration of the IPv6 VTEP address is valid when there is only 1 IPv6 address on VXLAN source interface

**Recommended Action:** Configure a single IPv6 address on the VXLAN source interface

**INVALID\_VARP\_VTEP\_ADDRESS:** VARP VTEP configuration has been ignored due to multiple secondary IP addresses on %s.

**Severity:** Error

**Explanation:** Configuration of VARP VTEP address is valid when there is only 1 secondary IP address on VXLAN source-interface

**Recommended Action:** Configure only 1 secondary IP address on VXLAN source-interface

**IPv6\_UNDERLAY\_UNSUPPORTED:** VXLAN encapsulation using IPv6 VTEP addresses is not supported on this platform

**Severity:** Warning

**Explanation:** A configured IPv6 address on the VXLAN source interface has been ignored as VXLAN encapsulation using IPv6 VTEP addresses is not supported on this platform

**Recommended Action:** No action is required – this message is for information only.

**L2\_ECMP\_NOTSUPPORTED:** Cannot program MAC address %s in VLAN %d for a VTEP group because VXLAN L2 ECMP is not supported on this platform.

**Severity:** Warning

**Explanation:** VXLAN L2 ECMP is required to program EVPN VXLAN multihoming MAC addresses.

**Recommended Action:** Please remove EVPN VXLAN multihoming configuration.

**LEARN\_NOTALLOWED:** Received VXLAN packet from VTEP %s for VNI %s, but that VTEP is not part of the set of trusted sources for dataplane learning.

**Severity:** Warning

**Explanation:** The switch is only doing VXLAN dataplane learning from VTEPs that have been configured as trusted using 'vxlan learn'.

**Recommended Action:** Please ensure that the VTEP configuration is consistent across all the switches. That might imply adding this VTEP to the vxlan learn list.

**ND\_PROXY\_DISABLED\_WITH\_BRIDGED\_NEIGHBOR\_LEARNING:** IPv6 ND Proxy is disabled for %s when bridged IPv6 neighbor learning is also configured.

**Severity:** Warning

**Explanation:** This will result in the local bridged neighbor learning not taking effect.

**Recommended Action:** To fix this problem, enable ARP Proxy: under 'router l2-vpn' configuration mode, remove the configured 'nd proxy prefix-list' or its associated 'deny ::0/0' entry

**OVERLAY\_IPv6\_PKT\_RECEIVED\_ON\_UNSUPPORTED\_PLATFORM\_DROPPED:** A VXLAN encapsulated overlay IPv6 packet received on VTI %s by VxlanSwFwd on an unsupported platform has been dropped

**Severity:** Notice

**Explanation:** VXLAN encapsulated overlay IPv6 packets should only be handled by VxlanSwFwd agent on a supported platform

**Recommended Action:** No action is required – this message is for information only.

**ROUTING\_NOT\_SUPPORTED:** VXLAN routing on fabric card and line card combination is not supported.

**Severity:** Warning

**Explanation:** VXLAN routing is only enabled when all the fabric cards and line cards support VXLAN routing

**Recommended Action:** No action is required – this message is for information only.

**SHARED\_MAC\_VARP\_MAC\_CONFLICT:** MLAG Shared MAC configuration should not have the same value as VARP MAC configuration (%s)

**Severity:** Error

**Explanation:** Configuration of MLAG Shared MAC address is valid when it has a different value from the VARP MAC configuration

**Recommended Action:** Configure a MLAG Shared MAC that has a different value from the VARP MAC address

**SOURCE\_INTERFACE\_IN\_NON\_DEFAULT\_VRF:** The source interface '%s' for VTI '%s' is in a non-default VRF (%s)

**Severity:** Error

**Explanation:** VXLAN source interfaces must be configured in the default VRF

**Recommended Action:** Configure the source interface to be in the default VRF

**STATIC\_VLANVNI\_INVALID\_CONFIG\_INTERNAL:** Configured VLAN to VNI mapping has been ignored: VLAN %d has already been allocated internally.

**Severity:** Warning

**Explanation:** A configured VLAN to VNI mapping has been ignored because the specified VLAN has already been internally reserved by a routed port.

**Recommended Action:** Change the VLAN configured in the mapping.

**STATIC\_VLANVNI\_INVALID\_CONFIG\_PEERLINK:** Configured VLAN to VNI mapping has been ignored: VLAN %d has already been allocated to the MLAG peer link SVI.

**Severity:** Warning

**Explanation:** A configured VLAN to VNI mapping has been ignored because the specified VLAN has already been allocated to the MLAG peer link SVI.

**Recommended Action:** Change the VLAN configured in the mapping.

**VCS\_IPMAC\_SYNC\_FROM\_INCOMPATIBLE\_MLAG\_PRIMARY:** Received a VXLAN Controller Service ARP or IPv6 Neighbor update (IP %s VRF %s) from the MLAG primary running an incompatible EOS version.

**Severity:** Warning

**Explanation:** The MLAG primary is running an incompatible EOS version. All VXLAN Controller Service ARP or IPv6 neighbor updates received from the primary will be discarded.

**Recommended Action:** To fix this problem, please run a compatible EOS version on MLAG Primary.

**VTEP\_TO\_VTEP\_BRIDGING\_VARP\_VTEP\_UNSUPPORTED:** VARP VTEP configuration and VTEP to VTEP bridging are not supported concurrently

**Severity:** Warning

**Explanation:** Either a virtual VTEP IP address can be configured or VTEP to VTEP bridging can be enabled, but not both simultaneously

**Recommended Action:** Remove either the secondary IP address on the VXLAN source interface or disable VTEP to VTEP bridging on the VXLAN tunnel interface.

## 2.185 VXLANSEC Messages

**PKT\_RECEIVED\_ON\_UNSUPPORTED\_PLATFORM\_DROPPED:** A VXLAN encapsulated packet destined to VXLAN security UDP port of VTI %s received on unsupported platform has been dropped

**Severity:** Notice

**Explanation:** VXLAN encapsulated packets destined to VXLAN security UDP port would only be handled when VXLAN security is supported on the platform

**Recommended Action:** No action is required – this message is for information only.

## 2.186 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

## 2.187 ZTP Messages

**CANCEL:** Cancelling Zero Touch Provisioning

**Severity:** Info

**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.

**CLOCK\_SYNC\_FAIL:** Failed to synchronize the device clock using NTP due to an error. Error code: (%s) %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to execute ntpd.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CLOCK\_SYNC\_SIGNALED:** Failed to synchronize the device clock using NTP due to an uncaught signal. Signal code: %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to execute ntpd.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CLOCK\_SYNC\_SKIPPED:** Skip synchronizing device clock using NTP

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully synchronized the device clock using ntpd on a previous attempt.

**Recommended Action:** No action is required – this message is for information only.

**CLOCK\_SYNC\_SUCCESS:** Successfully synchronized the device clock using NTP

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully synchronized the device clock using ntpd.

**Recommended Action:** No action is required – this message is for information only.

**CLOCK\_SYNC\_TIMEOUT:** Timed out trying to synchronize the device clock using NTP after %u seconds

**Severity:** Warning

**Explanation:** Zero Touch Provisioning timed out after waiting long enough for NTP to complete clock synchronization.

**Recommended Action:** No action is required – this message is for information only.

**CLOUDVISION\_ENROLLMENT\_FAIL:** CloudVision enrollment process exited with an error: (%s) %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to execute TerminAttr.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**CLOUDVISION\_ENROLLMENT\_START:** Attempting enrollment into CloudVision at endpoint: %s

**Severity:** Info

**Explanation:** Zero Touch Provisioning is executing TerminAttr to enroll into CloudVision.

**Recommended Action:** No action is required – this message is for information only.

**CLOUDVISION\_ENROLLMENT\_SUCCESS:** Successfully enrolled switch into CloudVision

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully enrolled the switch into CloudVision via TerminAttr

**Recommended Action:** No action is required – this message is for information only.

**CLOUDVISION\_ENROLLMENT\_TIMEOUT:** CloudVision timed out trying to enroll after %u seconds

**Severity:** Warning

**Explanation:** Zero Touch Provisioning timed out after waiting long enough for TerminAttr to complete enrollment.

**Recommended Action:** No action is required – this message is for information only.

**CLOUDVISION\_REDIRECTOR\_CONTACT\_FAIL:** Failed to contact CloudVision's Redirector service

**Severity:** Warning

**Explanation:** Zero Touch Provisioning over arista.io was unsuccessful since connection with redirector service failed. 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.

**CLOUDVISION\_REDIRECTOR\_FAIL:** CloudVision Redirector service failed to provide any cluster assignment

**Severity:** Warning

**Explanation:** Zero Touch Provisioning over arista.io was unsuccessful since CloudVision's redirector service failed to provide any cluster assignment. 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.

**CLOUDVISION\_REDIRECTOR\_SUCCESS:** Cluster assignment from CloudVision Redirector service successful:  
%s

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully received a cluster assignment from CloudVision's Redirector service.

**Recommended Action:** No action is required – this message is for information only.

**CONFIG\_DOWNLOAD:** Attempting to download the startup-config from %s

**Severity:** Info

**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:** Info

**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.

**DHCLIENT\_FAIL:** Failed to execute dhclient(%s) due to an error. Error code: (%s) %s

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to execute dhclient.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**DHCP\_NO\_INTERFACES\_AVAILABLE:** No interfaces available to send DHCPv4 or DHCPv6 requests

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to detect any interfaces upon which to send DHCPv4/DHCPv6 requests.

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**DHCPv4\_QUERY:** Sending DHCPv4 request with %s on %s (option %s)

**Severity:** Info

**Explanation:** Zero Touch Provisioning is trying to discover a DHCPv4 server on the network. Zero Touch Provisioning will only accept a DHCPv4 response with a valid DHCPv4 option 67/143 present. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**DHCPv4\_QUERY\_FAIL:** Failed to get a valid DHCPv4 response (option %s)

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to get a DHCPv4 response with a valid DHCPv4 option 67/143 answer from a server on the network.

**Recommended Action:** Check your DHCPv4 server for proper Zero Touch Provisioning configuration. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**DHCPv4\_SUCCESS:** DHCPv4 response received on %s (option %s)

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully received a DHCPv4 response with a valid DHCPv4 option 67/143 present from a server on the network.

**Recommended Action:** No action is required – this message is for information only.

**DHCPv6\_QUERY:** Sending DHCPv6 request on %s (option %s)

**Severity:** Info

**Explanation:** Zero Touch Provisioning is trying to discover a DHCPv6 server on the network. Zero Touch Provisioning will only accept a DHCPv6 response with a valid DHCPv6 option 59/136 present. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**DHCPv6\_QUERY\_FAIL:** Failed to get a valid DHCPv6 response (option %s)

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to get a DHCPv6 response with a valid DHCPv6 option 59/136 answer from a server on the network.

**Recommended Action:** Check your DHCPv6 server for proper Zero Touch Provisioning configuration. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**DHCPv6\_SUCCESS:** DHCPv6 response received on %s (option %s)

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully received a DHCPv6 response with a valid DHCPv6 option 59/136 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:** Info

**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) %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\_SINGALED:** 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:** Info

**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:** Info

**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:** Info

**Explanation:** Set the global speed on all capable interfaces.

**Recommended Action:** No action is required – this message is for information only.

**MALFORMED\_URL:** Unable to parse the bootstrap URL: %s

**Severity:** Error

**Explanation:** Zero Touch Provisioning is unable to parse the URL into components

**Recommended Action:** If the problem persists, contact your support representative. Otherwise, no action is required.

**RELOAD:** Rebooting the system

**Severity:** Info

**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:** Info

**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 rebooting the Active and Standby.

**Severity:** Info

**Explanation:** Failed to Synchronize the startup-config file with the standby 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 with the Standby.

**Severity:** Info

**Explanation:** Waiting on File Replicator to synchronize the startup-config with the Standby.

**Recommended Action:** No action is required – this message is for information only.

**STATELESS\_DHCPv6\_QUERY:** Sending stateless DHCPv6 request on %s (option %s)

**Severity:** Info

**Explanation:** Zero Touch Provisioning is trying to discover a DHCPv6 server on the network. Zero Touch Provisioning will only accept a DHCPv6 response with a valid DHCPv6 option 59/136 present. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**Recommended Action:** No action is required – this message is for information only.

**STATELESS\_DHCPv6\_QUERY\_FAIL:** Failed to get a valid stateless DHCPv6 response (option %s)

**Severity:** Warning

**Explanation:** Zero Touch Provisioning failed to get a stateless DHCPv6 response with a valid DHCPv6 option 59/136 answer from a server on the network.

**Recommended Action:** Check your DHCPv6 server for proper Zero Touch Provisioning configuration. To cancel Zero Touch Provisioning, type zerotouch cancel at the CLI.

**STATELESS\_DHCPv6\_SUCCESS:** DHCPv6 response with stateless configuration parameters received on %s (option %s)

**Severity:** Info

**Explanation:** Zero Touch Provisioning successfully received a stateless DHCPv6 response with a valid DHCPv6 option 59/136 present from a server on the network.

**Recommended Action:** No action is required – this message is for information only.

**TLS\_INVALID\_FILE:** Unable to verify %s: %s

**Severity:** Info

**Explanation:** The certificate or key could not be verified as a valid file.

**Recommended Action:** No action is required – this message is for information only.

**TLS\_SERVER:** Using root of trust certificate at %s to connect to %s

**Severity:** Info

**Explanation:** Zero Touch will use root of trust certificate to authenticate the server URI.

**Recommended Action:** No action is required – this message is for information only.

**USB\_URL:** Using bootstrap URL %s obtained from the USB

**Severity:** Info

**Explanation:** Zero Touch Provisioning has discovered a bootstrap URL in the USB and will thus ignore the bootfile/servername, if obtained via DHCP.

**Recommended Action:** No action is required – this message is for information only.