

AlliedWare Plus™ Operating System

Log Message Reference



SwitchBlade x908 Switch
SwitchBlade x8100 Series
x930 Series
x900 Series
x610 Series
x600 Series
x510 Series

IX5-28GPX Switch
IE510-28GSX-80 Switch
x310 Series
IE300 Series
x230 Series
IE200 Series
x210 Series
GS900MX/MPX Series

XS900MX Series
FS980M Series
AMF Cloud
AR4050S UTM Firewall
AR3050S UTM Firewall
AR2050V VPN Firewall
AR2010V VPN Firewall

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Preface

About this Reference

Introduction This Reference provides explanations and recommendations for many of the events logged by Allied Telesis switches and AR-Series Firewalls running the AlliedWare Plus Operating System. It is intended to provide support to users for monitoring and troubleshooting their device and network configuration.

Models and Software This Reference describes log messages in the AlliedWare Plus Operating System on the following switches and AR-Series Firewalls:

- FS980M Series
 - XS900MX Series
 - GS900MX/MPX Series
 - x210 Series
 - IE200 Series
 - x230 Series
 - IE300 Series
 - x310 Series
 - IE510-28GSX-80 switch
 - IX5-28GPX switch
 - x510 Series
 - x600 Series
 - x610 Series
 - x900 Series
 - x930 Series
 - DC2552XS/L3
 - SwitchBlade® x908 switch
 - SwitchBlade® x8100 Series
 - x930 Series
 - AMF Cloud
 - AR4050S, AR3050S UTM Firewalls
 - AR2050V, AR2010V VPN Firewalls
-

Overview of the Reference

This Reference is organised into the following sections:

- This *Preface* describes the hardware models and software covered by this Reference, other sources of information (*"More Information about Your Switch" on page 8*), and the most efficient ways to find log messages, (*"Finding a Message in this Reference" on page 7*).
- *"Chapter 1: Logging"* describes briefly how to configure logging and how to read log messages.
- The rest of the Reference describes the log messages. Messages are grouped by software program (module/function).

For each log message in this Reference, you will find:

- The message text, beginning with the program that generated the message, and using place-holders in italics and angle brackets instead of system specific values
- The severity of the message, as described in Chapter 1, Table 2.
- An explanation of what the message means—what may have caused the message to be generated
- Recommended Action—either suggesting action you can take, or indicating that no action is required. To see more detailed information about the syntax of commands referred to as part of the Recommended Actions, see the *Command Reference* for the switch.

Finding a Message in this Reference

This section describes the two most efficient ways to find a log message in this Reference:

- Search the PDF for message text
- Find messages generated by a program (module or function)

For many messages, you can simply search the PDF for part of the message text.

However, note that many log messages include information specific to your system—interface names, port numbers, policy names, etc. In this Reference, we have replaced that information with place-holders. For example, in the following example of a message in a log, the IP address is specific to the network configuration:

```
...
2010 May 21 user.notice awplus 802.1X [1201]: RADIUS server(172.16.21.100) timed
out. RADIUS session for this server entering DEAD-TIME state for 5 min.
...
```

In this Reference, this message has a heading of **radius server timed out** and text of:

```
802.1X [<pid>]: RADIUS server(<ip-address>) timed out.
RADIUS session for this server entering DEAD-TIME state
for <minutes> min.
```

When searching, select a string that does not include system-specific information. In the example above, you could search for “RADIUS session for this server entering DEAD-TIME state”.

Some messages are almost completely made up of system-specific information, and some text strings are repeated in multiple messages. For such messages, the most efficient approach is to use the **message program**.

To do this:

1. Identify the program name from the message. The program name is the letters after the hostname, and before the process ID in the message (see “Reading the Log Messages” in *Chapter 1*).
2. Use the *Contents* to find the chapter that has messages for this program.

This Reference is incomplete

This Reference does not contain all log messages. If you cannot find your message, it may not be there. Future versions of this Reference will include more log messages.

More Information about Your Device

In addition to the log message information available in this Reference, further information is available from the following sources.

- Installation** Before installing your device and any expansion options, read their installation, safety, and hardware documentation, available from the support area at www.alliedtelesis.com.
- Feature Overview and Configuration Guides** For descriptions of the AlliedWare Plus operating system, see the *Feature Overview and Configuration Guides*:
- For basic operations, see “*Getting Started with AlliedWare Plus Feature Overview and Configuration Guide*”.
 - For more information about logging, see the “*Logging Feature Overview and Configuration Guide*”.
 - For switching, routing, and management features and configuration, see the other *Feature Overview and Configuration Guides* for your product.
- Command Reference** For detailed information about command syntax for configuring and monitoring your product, see its *Command Reference*, including the “*Logging Commands*” chapter for configuring logging.
- How To Notes** Individual *How To Notes* describe specific solutions, including configuration examples, and overviews of some areas of functionality. They are available from <http://www.alliedtelesis.com/library>.
- Online Technical Support** For online support for your device, see our online support page at www.alliedtelesis.com. If you require further assistance, contact your authorised Allied Telesis distributor or reseller.

Contents

Chapter 1	Logging	1
Chapter 2	802.1X Port Authentication	7
Chapter 3	Alarm Monitoring (almond)	26
Chapter 4	appmond	29
Chapter 5	ASIC driver (EXFX)	32
Chapter 6	ATMF	114
Chapter 7	ATMFFSD	144
Chapter 8	ATMFFSR	158
Chapter 9	atmpake	174
Chapter 10	automount	176
Chapter 11	BGP	178
Chapter 12	chassis	185
Chapter 13	Command handling (IMI)	193
Chapter 14	Command Handling (IMISH)	211
Chapter 15	corerotate	226
Chapter 16	corosync	229
Chapter 17	COUNTER	251
Chapter 18	DHCP client (dhclient)	254
Chapter 19	DHCP relay (dhcrelay)	258
Chapter 20	DHCP server (dhcpd)	261
Chapter 21	DHCP snooping (DHCPSPN)	265
Chapter 22	EPSR	286
Chapter 23	firewalld	293
Chapter 24	Hardware Health Monitor (HHM)	295
Chapter 25	HPI	298
Chapter 26	HSL	308
Chapter 27	HTTP	337
Chapter 28	IMI	339
Chapter 29	IMISH syslog-ng	360
Chapter 30	inetd	370
Chapter 31	IRDP	372
Chapter 32	kernel	375
Chapter 33	LACP	441
Chapter 34	licd	446
Chapter 35	Logging (syslog)	449
Chapter 36	login	458
Chapter 37	moundd	466
Chapter 38	NSM	469

Chapter 39	NTP (ntpd)	507
Chapter 40	openais	511
Chapter 41	openVPN	548
Chapter 42	OSPF	555
Chapter 43	PIM-DM	564
Chapter 44	PIM-SM	569
Chapter 45	Pluggable Manager	576
Chapter 46	POE	578
Chapter 47	PPP	583
Chapter 48	PPPoE	585
Chapter 49	PSS	586
Chapter 50	radiusd	594
Chapter 51	radsecproxy	598
Chapter 52	RIP	603
Chapter 53	RIPng	608
Chapter 54	RMON	613
Chapter 55	root	618
Chapter 56	RPC (rpc.statd)	620
Chapter 57	rsyncd	623
Chapter 58	sFlow (sflowd)	627
Chapter 59	SNMP (snmpd)	634
Chapter 60	Spanning tree (MSTP)	638
Chapter 61	SSH (sshd)	649
Chapter 62	Startup (init)	656
Chapter 63	startup-config	668
Chapter 64	tempmond	671
Chapter 65	Traffic Shaping (shapingd)	674
Chapter 66	TRIGGER	678
Chapter 67	updated	681
Chapter 68	user	684
Chapter 69	UTM	688
Chapter 70	VCStack (VCS)	700
Chapter 71	VRRP (vrrpd)	733

1

Logging Configuring and Using the Logs

The software generates log and debug messages and sends them to the logging system. You can configure the device to send log messages to one or more destination logs (*“Log output destination” on page 5*), and to filter these messages according to their severity level (*Table 2 on page 4*) and the software facilities (*Table 3 on page 4*) and programs (modules or functions) that generate them.

By default, log messages of severity level notice (5) and higher sent to the buffered log stored in the device’s RAM, and log messages of severity level warning (4) and higher sent to the permanent log stored in NVS.

This section gives an overview of the logging system, and how to read the logs. For more detailed information, see the:

- *“Logging Feature Overview and Configuration Guide”.*
- *“Logging Commands”* chapter in the Command Reference.

Monitoring and Troubleshooting

You can use logging to assist you in monitoring and troubleshooting on the product. You can find information in the logs that allows you to monitor the device operations, or adjust the device configuration to better meet your requirements.

The logs also provide valuable information to help your authorised Allied Telesis distributor or reseller to give you the support you need. When requesting support, capture and send the output from the **show tech-support** command—this includes a wealth of detailed configuration and operation information, including the contents of the buffered and permanent logs.

View the logs To display the contents of the buffered log, use the **show log** command.

To display the permanent log, use the **show log permanent** command.

To upload log files or tech-support output files from the device, use the **copy** command (see the *Creating and Managing Files* chapter and the *File and Configuration Management Commands* chapter in the *Command Reference*).

Reading the Log Messages

Figure 1 shows an extract from a log.

Figure 1: Example log extract

```
<date> <time> <facility>.<severity> <program[<pid>]>: <message>
-----
.
.
2016 May 17 14:51:58 user.warning awplus NSM[1264]: Port up notification received
for port sa21
2016 May 17 14:51:58 user.warning awplus NSM[1264]: Port up notification received
for port vlan1
2016 May 17 14:51:58 user.warning awplus NSM[1264]: Port up notification received
for port vlan1195
2016 May 17 14:51:58 user.warning awplus NSM[1264]: Port up notification received
for port port2.4.1
.
.
```

The elements of each log message are described in Table 1.

Table 1: Elements in log messages

Element	Description
<date> <time>	The date and time when the log message was generated, according to the device's clock.
<facility>	The type of facility in the operating software that generated the message. See Table 3 on page 4.
<severity>	The severity level of the message, indicating its importance. See Table 2 on page 4.
hostname	Between the severity level and the program is the device's hostname, as configured by the hostname command (default: awplus). On a VCStack, the stack's name is the hostname of the stack master.
<program>	Within the modular operating system, the particular program (module) that generated the message. Some programs correspond to particular features (e.g., MSTP, EPSR), while others correspond to internal functions in the operating system (e.g. kernel, openais). This Reference is organised according to the programs generating the log messages, as listed in the Contents. The program string is generally case sensitive in logging commands, except for a subset that have been predefined as keywords—the keywords are listed with the Logging Commands in the Command Reference.
<pid>	The process ID (PID) of the current instance of the software program that generated the message. A particular process ID does not always correspond to the same program. Some log messages, such as kernel messages, may not include a process ID.
<message>	The content of the log message. This may include some variable elements, for example interface names, and some strings that are fixed. You can use the fixed part of these strings to search for a message in this Reference.

Table 2: Severity levels in log messages

Severity in message	Severity level	Meaning
emerg	0	Emergency: system is unusable; operation severely impaired.
alert	1	Alert: action must be taken immediately; operation has been or could be affected.
crit	2	Critical: critical conditions; issue that requires manager attention, possible problem.
err	3	Error: error conditions; issue that may require manager attention.
warning	4	Warning: warning conditions; normal notification of an event, not serious or particularly important.
notice	5	Notice: normal but significant condition; useful information, can be ignored during normal operation.
info	6	Informational: informational messages; generally unimportant everyday events.
debug	7	Debug: debug-level messages; extremely detailed (possibly high-volume) debugging information. Debug messages are only generated when debugging for a particular feature is enabled using the debug commands for that feature.

Table 3: Facility types in log messages

Facility type in message	Meaning
authpriv	Security/authorization messages (private)
cron	Clock daemon
daemon	System daemons
kern	Kernel messages
mail	Mail system
syslog	Messages generated internally by syslog-ng
user	Random user-level messages

Interfaces Some log messages provide information about specific device interfaces, such as switch ports, VLANs, or static or dynamic link aggregators. In some messages, interfaces are displayed with their interface names (e.g., port 1.0.1—see *Port Numbering* in the “*Interfaces Feature Overview and Configuration Guide*”). In others, the message displays the internal interface index (<*if-index*>, e.g. 5001). To display the index for an interface on the device, use the **show interface** command.

Configuring Logging

You can create and modify log output definitions to log the messages for the programs, facilities, or severity levels that you require, and to send these messages to one or more destinations.

Log output destination You can configure the device to send log messages to the following destinations:

- buffered log
- permanent log
- terminal
- console
- host
- email

Table 4 shows where the log messages can be sent, the names of the commands used to enable and filter them, and their default settings.

Table 4: Log output

Log output to	Description	Command to enable/disable	Command to filter
buffered log	Sends messages to a file stored in RAM on the device. This log does not survive a device reboot.	log buffered Default: enabled	log buffered (filter) Default: include messages of severity notification (5) or higher
permanent log	Sends messages to a file stored in NVS on the device. This log survives a device reboot.	log permanent Default: enabled	log permanent (filter) Default: include messages of severity warning (4) or higher
terminal	Sends all log and debug messages to the terminal.	terminal monitor Default: disabled See the <i>System Configuration and Monitoring Commands</i> chapter in the <i>Command Reference</i>	No filter—if enabled, all log and debug messages are sent to the terminal.
console	Sends log messages to the console(s) configured for the device—by default the device’s main console.	log console Default: enabled	log console (filter) Default: include messages of severity critical (2) or higher
syslog host	Sends log messages to one or more remote syslog servers.	log host Default: none. One or more syslog server host IP addresses must be specified.	log host (filter) Default: none. A filter must be specified for each syslog server host.
email	Send log messages to an email address	log email Default: none. An email address must be specified.	log email (filter) Default: none. A filter must be specified for each email address.
exception log	Sends log messages to a file stored in flash memory.	Always enabled.	Not configurable. Logs messages about exception files.

Configuration You can configure a log to include more or fewer messages by filtering on severity level, program, facility and message text. For logs with a limited size, such as the buffered and permanent logs, when the log is full, older log messages are dropped to make way for newer ones. For log messages sent to the console, a large number of log messages can overwhelm the command line interface. When setting up log filtering, consider the trade-off between getting more information by including more messages, or getting only the more important messages over a longer time.

You can also configure the maximum size of the buffered and permanent logs, clear the contents of these files, and display the logging configuration on the device. For details about the commands used to configure and display logs, see the *Logging Commands* chapter in the *Command Reference*.

802.1X Port Authentication

This chapter contains log messages generated by port authentication functions. For more information about configuring and displaying information about port authentication, see the authentication chapters in the Access and Security part in the Software Reference: 802.1X Configuration, 802.1X Commands, Authentication Configuration, Authentication Commands, AAA Introduction and Configuration, AAA Commands, RADIUS Commands, Local RADIUS Server Introduction and Configuration, Local RADIUS Server Commands.

- ["802.1X Port Authentication Messages" on page 8](#)
- ["Authentication Messages" on page 10](#)
- ["General Port Authentication Messages" on page 14](#)
- ["Internal Messages" on page 16](#)
- ["MAC Authentication Messages" on page 19](#)
- ["Multiple Authentication Messages" on page 20](#)
- ["Web Authentication Messages" on page 22](#)

802.1X Port Authentication Messages

802.1x authentication failed

Message 802.1X [<pid>]: 802.1X Authentication failed for <user-id> from <mac-addr> on port<port>

Severity Notice/5

Explanation A supplicant with this MAC address, connected to this port, attempted 802.1X authentication, but the authentication failed.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

Message 802.1X [<pid>]: <port>: 802.1X Authentication failed for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation A supplicant with this MAC address, connected to this port, attempted 802.1X authentication, but the authentication failed.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

802.1x authentication successful

Message 802.1X [<pid>]: 802.1X Authentication successful for <user_id> from <mac-addr> on port<port>

Severity Notice/5

Explanation 802.1X authentication of this user with this MAC address on this port succeeded.

Recommended Action No action required.

Message 802.1X [<pid>]: <port>: 802.1X Authentication successful for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation 802.1X authentication of this user with this MAC address on this port succeeded.

Recommended Action No action required.

Authentication Messages

mac authentication failed

Message 802.1X [<pid>]: <port>: MAC Authentication failed for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation The supplicant with this MAC address, connected to this port, failed MAC authentication.

Recommended Action No action required. If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

two-step authentication ... failed

Message 802.1X[<pid>]: <port>: Two-Step Authentication(1st step: MAC) failed for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation The first authentication of Two-Step Authentication (MAC Authentication) failed.

Recommended Action No action required. Consider identifying the device if suspicious or if the message is repeated.

Message	802.1X[<pid>]: <port>: Two-Step Authentication(2nd step: Web) failed for <user-id>, IP <ip-address>, Mac <mac-addr>
Severity	Notice/5
Explanation	The second authentication of Two-Step Authentication (Web Authentication) failed.
Recommended Action	No action required. Consider identifying the device if suspicious or message is repeated.

Message	802.1X[<pid>]: <port>: Two-Step Authentication(1st step: 802.1X) failed for <user-id>, Mac <mac-addr>
Severity	Notice/5
Explanation	The first authentication of Two-Step Authentication (802.1X) failed.
Recommended Action	No action required. Consider identifying the device if suspicious or message is repeated.

Message	802.1X[<pid>]: <port>: Two-Step Authentication(2nd step: 802.1X) failed for <user-id>, Mac <mac-addr>
Severity	Notice/5
Explanation	The second authentication of Two-Step Authentication (802.1X) failed.
Recommended Action	No action required. Consider identifying the device if suspicious or message is repeated.

two-step authentication ... force authorized

Message 802.1X[<pid>]: <port>: Two-Step Authentication(2nd step) force authorized for <mac-addr>

Severity Notice/5

Explanation The second authentication of Two-Step Authentication is force authorized.

Recommended Action No action required.

two-step authentication ... successful

Message 802.1X[<pid>]: <port>: Two-Step Authentication(1st step: MAC) successful for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation The first authentication of Two-Step Authentication (MAC Authentication) succeeded.

Recommended Action No action required.

Message 802.1X[<pid>]: <port>: Two-Step Authentication(2nd step: Web) successful for <user-id>, IP <ip-address>, Mac <mac-addr>

Severity Notice/5

Explanation The second authentication of Two-Step Authentication (Web Authentication) succeeded.

Recommended Action No action required.

Message 802.1X[<pid>]: <port>: Two-Step Authentication(1st step: 802.1X) successful for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation The first authentication of Two-Step Authentication (802.1X) succeeded.

Recommended Action No action required.

Message 802.1X[<pid>]: <port>: Two-Step Authentication(2nd step: 802.1X) successful for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation The second authentication of Two-Step Authentication (802.1X) succeeded.

Recommended Action No action required.

General Port Authentication Messages

all radius servers timed out

Message 802.1X [<pid>]: All RADIUS servers timed out. Force Authorized all supplicants on <port>

Severity Notice/5

Explanation The switch has lost communication with all configured RADIUS servers, so any ports that have been configured as \"auth critical\" will now be put into the \"Force Authorised\" state, so all supplicants on those ports will now have access to the network whether they have already been authenticated or not.

Recommended Action Investigate why the switch has lost communication with all configured RADIUS servers.

force authorized

Message 802.1X [<pid>]: Force Authorized for <mac-addr> on port<port>

Severity Notice/5

Explanation The port control for this MAC address has been set to \"force-authorized\" on this port by the \"auth supplicant-mac\" command. Therefore, the device with this MAC address is authorised without querying any RADIUS servers.

Recommended Action No action required.

force unauthorized

Message 802.1X [<pid>]: Force Unauthorized for <mac-addr> on port<port>

Severity Notice/5

Explanation The MAC address has been set to \"force-unauthorized\" on this port by the \"auth supplicant-mac\" command. Therefore, the device with this MAC address is rejected without querying any RADIUS servers.

Recommended Action No action required.

pae: state authenticated

Message 802.1X [<pid>]: PAE[port<port>]: State AUTHENTICATED

Severity debug/7

Explanation The port authentication state (PAE) for the port has changed to Authenticated. This occurs when a supplicant on the specified port has been authenticated using 802.1X, auth-mac or auth-web authentication. This message is only generated when 802.1X event debug is enabled by using the \"debug dot1x\" command. You may find an associated user name in nearby messages.

Recommended Action No action required.

radius server timed out

Message 802.1X [<pid>]: RADIUS server(<ip-address>) timed out. RADIUS session for this server entering DEAD-TIME state for <minutes> min.

Severity Notice/5

Explanation A query to this RADIUS server timed out, so the server has been put into the DEAD-TIME state.

Recommended Action Investigate why the switch has lost communication with the specified RADIUS server.

Internal Messages

agentx: ping retries exceeds limit

Message 802.1X [<pid>]: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: read connection closed

Message 802.1X [<pid>]: AgentX: read connection (sock <socket-number>) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: requested pdu

Message 802.1X [<pid>]: AgentX: requested pdu : 1

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message 802.1X [<pid>]: AIS healthcheck start failed with 28

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message 802.1X [<pid>]: AIS (amf_default_csi_set_cb:538)
saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message 802.1X [<pid>]: Component<component-name> requested to
enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message 802.1X [<pid>]: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

MAC Authentication Messages

mac authentication successful

Message MAC Authentication successful for <mac-addr> on port<port>

Severity Notice/5

Explanation MAC authentication for this MAC address and port was successful.

Recommended Action No action required.

Message 802.1X [<pid>]: <port>: MAC Authentication successful for <user-id>, Mac <mac-addr>

Severity Notice/5

Explanation MAC authentication for this MAC address and port succeeded.

Recommended Action No action required.

Multiple Authentication Messages

multiple authentication (mac & 802.1x) failed

Message 802.1X [<pid>]: Multiple Authentication(MAC & 802.1X) failed for <mac-addr> on <port>

Severity Notice/5

Explanation The supplicant with this MAC address, connected to this port, failed to be authenticated by 802.1x authentication or MAC authentication.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

Message 802.1X [<pid>]: <port>: Multiple Authentication(MAC & 802.1X) failed, Mac <mac-addr>

Severity Notice/5

Explanation The supplicant with this MAC address, connected to this port, failed to be authenticated by 802.1x authentication or MAC authentication.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

multiple authentication (mac & web) failed

Message 802.1X [<pid>]: Multiple Authentication(MAC & Web) failed for <mac-addr> on <port>

Severity Notice/5

Explanation The supplicant with this MAC address, connected to this port, failed to be authenticated by 802.1X authentication or Web authentication.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

Message 802.1X [<pid>]: <port>: Multiple Authentication(MAC & Web) failed, Mac <mac-addr>

Severity Notice/5

Explanation The supplicant with this MAC address, connected to this port, failed to be authenticated by 802.1X authentication or Web authentication.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

Web Authentication Messages

supplicant logoff

Message 802.1X [<pid>]: <port>: Supplicant <user-id> logoff,
Mac <mac-addr>

Severity Notice/5

Explanation This supplicant with this MAC address logged out via this port using web authentication.

Recommended Action No action required.

user tried to login (from IP address)

Message 802.1X [<pid>]: <port>: User <user-id> tried to login
from <ip-address>

Severity debug/7

Explanation This user attempted to log in from this IP address using web authentication.

Recommended Action No action required.

user tried to login (on interface)

Message 802.1X [<pid>]: User(<user-id>) tried to login from <ip-address> on <port>

Severity Notice/5

Explanation This user attempted to log in from this IP address via this port using web authentication.

Recommended Action No action required.

user tried to logout (from IP address)

Message 802.1X [<pid>]: <port>: User <user_id> tried to logout from <ip-address>

Severity debug/7

Explanation This user attempted to log out via this port using web authentication.

Recommended Action No action required.

user tried to logout (on port)

Message 802.1X [<pid>]: User(<user-id>) tried to logout from <ip-address> on <port>

Severity Notice/5

Explanation This user attempted to log out via this port using web authentication.

Recommended Action No action required.

web authentication failed

Message 802.1X [<pid>]: Web Authentication failed for <user-id> from <ip-address>(<mac-addr>) on port<port>

Severity Notice/5

Explanation Web authentication of this user with this IP address and MAC address failed.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

Message 802.1X [<pid>]: <port>: Web Authentication failed for <user-id>, IP <ip-address>, Mac <mac-addr>

Severity Notice/5

Explanation Web authentication of this user with this IP address and MAC address failed.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that attempted to authenticate.

web authentication successful

Message 802.1X [<pid>]: Web Authentication successful for <user-id> from <ip-address>(<mac-addr>) on port<port>

Severity Notice/5

Explanation Web authentication of this user, with this IP address and MAC address, was successful.

Recommended Action No action required.

Message 802.1X [<pid>]: <port>: Web Authentication successful for <user-id>, IP <ip-address>, Mac <mac-addr>

Severity Notice/5

Explanation Web authentication of this user, with this IP address and MAC address, was successful.

Recommended Action No action required.

Alarm Monitoring (almond)

- *"Alarm Monitoring Messages"* on page 27
- *"Internal Messages"* on page 28

Alarm Monitoring Messages

alarm monitoring startup has terminated

Message Alarm monitoring startup has terminated: main loop begins

Severity debug/7

Explanation The alarm monitoring daemon has started successfully

Recommended Action No action required.

cannot register signal

Message Cannot register signal <id>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Internal Messages

select error

Message Select error: errno=<errno> "<error message>"

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

appmond

This chapter contains internal messages generated by the Application Monitoring daemon.

- *"Application Monitoring Messages"* on page 30

Application Monitoring Messages

process failed healthchecks and terminated

Message appmond [<pid>]: Process \`'<process-name>'` (pid <pid>) failed healthchecks and is being terminated

Severity crit/2

Explanation A problem may have occurred in a software component. The Application Monitor Daemon detected a process failure and is terminating the process.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

total free memory low

Message appmond [<pid>]: Total Free Memory is now Low <number>M

Severity warning/4

Explanation The device reported that the total free memory available was low.

Recommended Action If repeated messages show that the available memory continues to decline unexpectedly, contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

total free memory very low

Message appmond [<pid>]: Total Free Memory is now Very Low <number>M, generating diagnostics.

Severity crit/2

Explanation The device reported that the total free memory available was very low.

Recommended Action If this message is unexpected and repeated messages show that the available memory continues to decline, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

ASIC driver (EXFX)

This chapter contains messages generated by the EXFX switch driver program for x900 and SwitchBlade x908 switches.

- *"ATMF Messages"* on page 33
- *"Ecofriendly Messages"* on page 34
- *"Expansion Option Messages"* on page 35
- *"Feature Licence Messages"* on page 38
- *"Hardware Health Monitoring (HHM) Messages"* on page 39
- *"Hardware Issue Messages"* on page 44
- *"Hardware Support Messages"* on page 46
- *"Internal Messages"* on page 48
- *"IPv6 Messages"* on page 103
- *"Multicast Messages"* on page 104
- *"Network Messages"* on page 105
- *"Switch Configuration Messages"* on page 111
- *"Topology Messages"* on page 113

ATMF Messages

insufficient space in the h/w table

Message EXFX [<pid>]: Insufficient space in the H/W table to add ATMF ACL

Severity warning/4

Explanation There is insufficient space in the hardware table to add a new ATMF ACL.

Recommended Action This error has occurred because there is insufficient space in the hardware table to add a new ATMF ACL. Check the ACL usage with the \"show platform classifier statistics utilization brief\" command.

Ecofriendly Messages

failed to set the ecofriendly mode

Message `\\"Failed to set the ecofriendly mode on ifx <if-index>, rc <internal-code>\\`

Severity err/3

Explanation An attempt to set the EEE low power idle mode (`\'ecofriendly\'` command) for the port with the specified interface index failed.

Recommended Action Use the `\'ecofriendly\'` command again to set the low power idle mode. If it repeatedly fails, contact your authorised Allied Telesis distributor or reseller with the output from the `\'show tech-support\'` command.

Expansion Option Messages

board inserted

Message EXFX [<pid>]: Board <boardname> inserted into bay <bay number>

Severity crit/2

Explanation The expansion module was inserted into the expansion bay.

Recommended Action No action required.

check xfp cable connection

Message EXFX [<pid>]: Check pluggable transceiver cable connection on port<port-name>

Severity err/3

Explanation The switch has detected a possible problem with the cable connected to the XFP.

Recommended Action Check the cable connecting the XFP port.

hot insertion of xem-stk not supported

Message EXFX [<pid>]: Hot insertion of XEM-STK board is not supported

Severity crit/2

Explanation A stacking expansion module (XEM-STK) has been inserted into a XEM bay while the switch is running; the switch does not support this. The XEM-STK must be installed before the switch is started.

Recommended Action A XEM-STK cannot be hotswapped into a switch while it is running. In order for the XEM-STK to be properly initialised, you will need to reboot the switch after the XEM has been inserted.

Message EXFX [<pid>]: Hot insertion of XEM-STK boards is not supported

Severity crit/2

Explanation A stacking expansion module (XEM-STK) was inserted in an expansion bay, but the switch does not support hot-swapping of XEM-STKs.

Recommended Action Do not install a XEM-STK while the switch is running. If the XEM-STK is supported by this bay, power the switch down before installing it.

hotswap of unsupported board

Message EXFX [<pid>]: Hotswap of unsupported board <board-name>

Severity crit/2

Explanation An expansion module was inserted in an expansion bay, but the switch does not support hot-swapping of this type of expansion module.

Recommended Action Do not install this expansion module while the switch is running. Power the device down before installing it.

only one xem-stk can be active

Message EXFX [<pid>]: Only one XEM-STK can be active.

Severity crit/2

Explanation More than one stacking expansion module (XEM-STK) have been installed into the switch; only one is allowed.

Recommended Action Remove the extra XEM-STK, so that there is only one installed.

wait until configuration update completed

Message EXFX [<pid>]: Please wait until configuration update is completed

Severity crit/2

Explanation After a XEM has been hot-inserted into a running switch, the software needs to configure the XEM. Some time is required for this configuration to be carried out. Do not swap the XEM out again before this configuration activity has been completed.

Recommended Action No action required.

xem will not be initialised

Message EXFX [<pid>]: The XEM in bay 2 will not be initialised.

Severity crit/2

Explanation More than one stacking expansion module (XEM-STK) have been installed into the switch; only one is allowed.

Recommended Action Do not install two XEM-STKs in the same switch. If there is an extra XEM-STK inserted in the switch, power the switch down and remove the extra XEM-STK, so that there is only one installed before restarting it.

Feature Licence Messages

failed to attach qos policy map

Message EXFX [<pid>]: Failed to attach QoS policy map because could not determine ifx <ifindex> is local

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

Hardware Health Monitoring (HHM) Messages

baseboard fault detected

Message EXFX[<pid>]: Baseboard fault detected, shutting down ports.

Severity crit/2

Explanation A problem may have occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

excess occurrences of fabric byte count error

Message EXFX[<pid>]: There has been <number> excess occurrences of Fabric Byte Count Error on stack member-<stack-member-id>, <device-description>, source <number>

Severity crit/2

Explanation A problem may have occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

excess occurrences of fabric cell count error

Message EXFX[<pid>]: There has been <number> excess occurrences of Fabric Cell Count Error on stack member-<member-id>, <device-description>, source <number>

Severity crit/2

Explanation A problem may have occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

excess occurrences of fabric crc error

Message EXFX[<pid>]: There has been <unsigned int> excess occurrences of Fabric CRC Error on stack member-<unsigned int>, <device description>, source <unsigned int>

Severity crit/2

Explanation A problem may have occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

excess occurrences of mac table 1 bit ecc error

Message EXFX[<pid>]: There has been <unsigned int> excess occurrences of MAC Table 1 Bit ECC Error on stack member-<unsigned int>, <device description>, source <unsigned int>

Severity crit/2

Explanation Internal software audit trace.

Recommended Action If this message occurs repeatedly, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command. Otherwise, no action is required.

excess occurrences of routing table parity error

Message EXFX[<pid>]: There has been <number> excess occurrences of Routing Table Parity Error on stack member-<id>, <device-description>, source <number>

Severity crit/2

Explanation A problem may have occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

excess occurrences of xbar hg alignment lock error

Message EXFX[<pid>]: There has been <number> excess occurrences of Xbar HG Alignment Lock Error on stack member-<member-id>, <device-description>, source <number>

Severity crit/2

Explanation A problem may have occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

internal backplane port fault detected

Message EXFX[<pid>]: Internal Backplane Port fault detected by card <node-id> on backplane port <port-number#>. Far end is card <node-id>.

Severity crit/2

Explanation A problem may have occurred.
Linecards in SBx8100 chassis are connected to the CFCs using backplane ports. In normal operation, these backplane ports should always be link up. If the ports are link down, traffic sent through the device can be silently dropped.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

powering off xem ... fault detected.

Message EXFX[<pid>]: Powering off XEM in bay <bay-number> : XEM fault detected.

Severity err/3

Explanation A problem may have occurred in the specified XEM.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Hardware Issue Messages

insufficient space in the hw policer table

Message PROTOCOL: Insufficient space in the HW policer table for ifindex <ifindex>

Severity err/3

Explanation A command to apply a policy map to an interface failed because there was no space in the policer table in hardware.

Recommended Action No action required.
If this message recurs, consider whether there are any unnecessary ACLs or other features configured that are using unnecessarily much HW table space.

pcs ping not received

Message EXFX [<pid>]: PCS Ping not received for XEM in bay <bay-number>

Severity err/3

Explanation Internal probe packets are sent periodically to check internal communication paths. One of these probe packets failed to reach its destination. If the message appears repeatedly, this would indicate that there is a communication problem with the XEM in the specified bay. It could be a faulty XEM or it could be a faulty connector on the base board.

Recommended Action If the message appears repeatedly, try swapping the XEM to another bay, and see if the problem follows the XEM. If the problem does follow the XEM, then the XEM may be faulty. If the problem does not follow the XEM, then the base unit may be faulty. Contact your authorised Allied Telesis distributor or reseller.

port link flapping excessively

Message EXFX [<pid>]: Ifindex <ifindex> port link flapping excessively. Disconnect port.

Severity warning/4

Explanation Link flapping was been detected on the port.

Recommended Action Investigate the reasons for the link flapping. Possible reasons include:

- a faulty cable
- a problem with the device at the other end of the link
- electrical interference
- a hardware fault on the specified port

port link flapping stopped

Message EXFX [<pid>]: ifindex <if-index> port link flapping stopped.

Severity info/6

Explanation The port had previously been flapping (the port's link state had been rapidly and repeatedly changing between UP and DOWN). This message means that the flapping stopped, and the port state was no longer rapidly changing.

Recommended Action No action required.

using default silicon-profile setting

Message Using default silicon-profile setting instead of \<profile>\'

Severity crit/2

Explanation The silicon-profile setting in the config file was not supported on all XEMs present. The default silicon-profile setting was loaded instead.

Recommended Action Remove the unsupported devices and restart the system, or choose a different silicon-profile that is supported by all devices present.

Hardware Support Messages

device ... does not support system configuration

Message Device in bay <bay> does not support system configuration.

Severity err/3

Explanation A XEM module has been hotswapped in that does not support the current silicon-profile.

Recommended Action Remove the incompatible XEM or change the silicon-profile ('platform silicon-profile' command) and restart.

doesn't support this module type

Message <interface> doesn't support this module type.

Severity crit/2

Explanation The specified interface does not support the module installed in it.

Recommended Action Replace the pluggable transceiver with one that is a supported type.

hot insertion ... is not supported

Message EXFX [<pid>]: Hot insertion of <boardname> in bay <bay number> is not supported. Bay <bay number> is reserved for XEM-STK.

Severity crit/2

Explanation A non-XEM-STK expansion module was inserted into the expansion bay that is reserved specifically for a XEM-STK module.

Recommended Action Do not install this expansion module in this bay.

only at-stackop supported in this port

Message EXFX[2346]: ERROR: stack portx.y.z - Only AT-StackOP supported in this port. Please remove.

Severity err/3

Explanation The software has detected an unsupported stack pluggable module in a stacked chassis (VCStack Plus) setup.

Recommended Action Replace the pluggable with a supported type.

Internal Messages

Message EXFX[3113]: DBG:_exfx_ucl3_fib_nextHopRouteSkiplistLink
<number>: Prefix already has link to nexthop

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

add mac entry failed

Message EXFX [<pid>]: Add unicast MAC entry failed for ifx
<ifindex> vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Add MC MAC entry failed for ifx <ifindex>
vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

board removal from bay failed

Message EXFX [<pid>]: Board <boardname> removal from bay
<bay-F1338number> failed (<error-code>).

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

board function misconfigured

Message EXFX [<pid>]: Board function misconfigured for
GppPluggableHandler board type <board id>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

board insertion failed

Message EXFX [<pid>]: Board XEM-STK insertion into bay <bay-number> failed.

Severity crit/2

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly add the newly inserted XEM to the management system.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

board removal failed

Message EXFX [<pid>]: Board XEM-STK removal from bay<bay-number> failed.

Severity crit/2

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly remove the newly inserted XEM from the management system.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

calling exfx_agg_memberstateupdate

Message EXFX [<pid>]: Calling exfx_agg_memberStateUpdate <string>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

could not retrieve egress counters

Message EXFX [<pid>]: Could not retrieve egress counters for ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

could not set admin state for stack port

Message EXFX [<pid>]: Could not set admin state for stack port - bay <switch-instance> port <port>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

counter

Message (dev 0, fport 0) Counter (badLength, badHeader, PCS2MAC) (0, 1, 0)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

crc stripping

Message EXFX [<pid>]: CRC stripping disable failed
dev:<switch-instance>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: CRC stripping enable failed
dev:<switch-instance>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

DBG:exfx_mcl2

Message EXFX[<pid>]: DBG:exfx_mcl2_igmpSnoopingPortDisable
1023:rc=4

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

default route

Message Default route p:<prefix> nh:<nh IP> mac:<nh MAC> already present within ECMP block Route p:<prefix> nh:<nh IP> mac:<nh MAC> already present within ECMP block

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

delete mc fdb failed

Message EXFX [<pid>]: Delete MC FDB failed for ifx <ifindex> vid <vlan> (<error-F1274code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

disabling l2 hashing not supported

Message EXFX [<pid>]: Disabling L2 Hashing on this silicon is not supported

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

does not have a function for phy

Message EXFX: exfx_port_phyEEEAdvGet does not have a function for phy

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

during hip synchronization - aborting sync

Message EXFX [<pid>]: during HIP synchronization - aborting sync

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

enabling traffic forwarding

Message EXFX [<pid>]: Enabling traffic forwarding on unit\'s switchports

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

epsr ctrl vlan set failed

Message EXFX [<pid>]: EPSR CTRL VLAN set failed: vid <vlan> type <master=0, transit=1> state <enable=0/disable>0>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed adding dev to memory

Message EXFX [<pid>]: Failed adding dev <switch-instance> to PP <switch-instance> E2EFC memory (VOQ 1)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed adding dev <switch-instance> to PP <switch-F1313instance> E2EFC memory (VOQ 0)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: No room in PP <switch-instance> E2EFC memory to add device <switch-instance>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to activate the ports

Message EXFX [<pid>]: Failed to activate the ports, unit=0 device=<switch instance> number of ports=<num-F1304of-ports> rc=<error-code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to add references to remote board

Message EXFX [<pid>]: Member <stack-member>: Failed to add references to remote board <stack-member> (<error-code>).

Severity crit/2

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly add the stack member switch to the management system.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Member <stack-member>: Failed to remove references to remote board <stack-member>.<bay> (<error-code>).

Severity crit/2

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly remove the stack member switch from the management system.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to allocate owner id

Message EXFX [<pid>]: Failed to allocate owner id for policy based routing rule.

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to attach acl

Message EXFX [<pid>]: Failed to attach ACL 3000 to interface: 5001. rc=<error-F1226code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach ACL because could not determine ifx <ifindex> is valid

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach ACL because ifx <ifindex> not present in system

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach ACL because could not determine ifx <ifindex> is local

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach ACL because could not determine ifx <ifindex> is in aggregator

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to attach qos policy map

Message EXFX [<pid>]: Failed to attach QOS policy map because could not determine ifx <ifindex> is valid

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach QOS policy map because ifx <ifindex> not present in system

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach QoS policy map because could not determine ifx <ifindex> is in aggregator

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to attach rule/action/policer

Message EXFX [<pid>]: Failed to attach rule/action/policer to interface <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to configure qos storm protection

Message EXFX [<pid>]: Failed to configure QoS Storm Protection

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to deallocate ownerid

Message EXFX [<pid>]: Failed to deallocate ownerId <ownerid>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to delete by pbr ownerid

Message EXFX [<pid>]: Failed to delete by pbr ownerId <ownerid>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to delete fdb entry

Message EXFX [<pid>]: Failed to delete FDB entry by MAC, mac <mac address> vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to delete fdb entry vid <vlan>
rc(<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to detach acl

Message EXFX [<pid>]: Failed to detach ACL <acl-name> to
interface: <ifindex>. rc=<error-code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to detach ACL because could not
determine ifx <ifindex> is valid

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to detach ACL because could not determine ifx <ifindex> is local

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to detach ACL because could not determine ifx <ifindex> is in aggregator

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to detach qos policy map

Message EXFX [<pid>]: Failed to detach QOS policy map because could not determine ifx <ifindex> is valid

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to detach QOS policy map because could not determine ifx <ifindex> is in aggregator

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to detach QOS policy map because could not determine ifx <ifindex> is local

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to find lport

Message EXFX [<pid>]: Failed to find lport=<internal-logical-port> for tgid=<hw-channel-F1351group> (<error-code>)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

failed to flush fdb

Message EXFX [<pid>]: Failed to flush FDB (all ports) by vidBmp (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to flush FDB for ifx <ifindex> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to flush FDB (all ports) at vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to flush FDB for ifx <ifindex> vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to get the qsp port counters

Message EXFX [<pid>]: Failed to get the QSP port counters. ifx <ifindex> cmap <class-map-F1213name> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to re-enable the qsp port

Message Failed to re-enable the QSP port ifx <ifindex> on vlan 2

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to remove rules with ownerid

Message EXFX [<pid>]: Failed to remove rules with ownerId <ownerid>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to send start req to master

Message EXFX [<pid>]: Failed to send Start Req to Master (<stack-member-id>).

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

failed to set cos to queue map

Message EXFX [<pid>]: Failed to set Cos to Queue map, index <ifindex> value <queue-F1244set> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set default traffic class

Message EXFX [<pid>]: Failed to set default traffic class=<traffic-class> for ifIndex <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set default user priority

Message EXFX [<pid>]: Failed to set default user priority=<user-priority> for ifIndex <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set drop mode

Message EXFX [<pid>]: Failed to set drop mode on ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set dscp map

Message EXFX [<pid>]: Failed to set DSCP map <dscp-number>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set egress limit

Message EXFX [<pid>]: Failed to set egress limit of <egress limit> on ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set guest vlan acl

Message EXFX [<pid>]: Failed to set guest vlan ACL. ifx <ifindex> vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set loop protection action

Message EXFX [<pid>]: Failed to set Loop Protection action. ifx <ifindex> vid <vid> action <action-F1287code> state <enable=0/disable>0> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to set rate limit

Message EXFX [<pid>]: Failed to set DLF rate limit for interface <ifindex> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to set Multicast Ratelimit for interface <ifindex> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to set Broadcast Ratelimit for interface <ifindex> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to store software copy

Message EXFX [<pid>]: Failed to store software copy of policy based routing entry

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to update learned-count

Message EXFX [<pid>]: Failed to update learned-count ifx <ifindex> vid <vlan> (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed unblocking mcast on vlan

Message EXFX [<pid>]: Failed updating mcast unblocking on resiliency-link vlan <vlan>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

flowcontrol statistics

Message EXFX [<pid>]: Unable to get flowcontrol statistics for ifIndex <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "\"show tech-support\"" command.

get duplex failed

Message EXFX [<pid>]: Get IF duplex failed: Unknown interface ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "\"show tech-support\"" command.

i have been terminated

Message EXFX [<pid>]:
exfx_openais_amfDefaultComponentTerminate: I have been terminated :~

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

igmp snooping

Message EXFX [<pid>]: Failed to enable IGMP Snooping across unit

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to disable IGMP Snooping across unit

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

igmp snooping hw access error

Message EXFX [<pid>]: Failed to disable IGMP Snooping on ifx <ifindex> - HW access error

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to enable IGMP Snooping on ifx <ifindex> - HW access error

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

inconsistent number of ports

Message EXFX [<pid>]: Inconsistent number of ports between parameters. numPorts=<param> ifindexLen=<param> portOnDevLen=<param> portOnBoardLen=<param>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

insufficient space in the hw packet classifier tab

Message <program>: Insufficient space in the HW packet classifier table for ifindex <ifindex>

Severity err/3

Explanation A policy map or an ACL failed to attach to an interface because there was not sufficient space in the hardware packet classifier table on the switch instance the port belongs to. This could affect the operation of programs such as DHCPDN, LOOPPROTO, EPSR, MLDSN, or PORT AUTH MAC.

Recommended Action No action required.
If this message recurs, consider whether there are any unnecessary ACLs or other features configured that are using unnecessarily much HW table space.

ipv4 routing

Message EXFX [<pid>]: Failed to <enable/disable> IPv4 routing

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "\show tech-support\" command.

ipv6 routing

Message EXFX [<pid>]: Failed to <enable/disable> IPv6 routing

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "\show tech-support\" command.

L3if address

Message EXFX [<pid>]: Delete L3if address failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Add L3if address failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

led cannot be initialized

Message EXFX [<pid>]: The LED of XEM-STK cannot be initialized

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

matching on more than one vlan

Message EXFX [<pid>]: Matching on more than one vlan id not supported

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

member timedout connecting to master

Message EXFX [<pid>]: Member <vcs-member-id> timedout connecting to Master (%d) - sending Start Request, retrying later.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

mld acl

Message EXFX [<pid>]: Failed to delete MLD ACL from interface: <ifindex>. rc=<error-code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to remove interface 5001 to the MLD ACL vidx. rc=<error-code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to add interface <ifindex> to the MLD ACL vidx. rc=<error-code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to attach MLD ACL to interface: <ifindex>. rc=<error-code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

mld snooping

Message EXFX [<pid>]: Failed to enable MLD Snooping across unit

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to disable MLD Snooping across unit

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

nexthop failed

Message EXFX [<pid>]: NextHop check hit failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: NextHop delete failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: NextHop add failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

no global rules applied

Message EXFX [<pid>]: <port> removed from <channel-group> has no global rules applied (no space in TCAM left

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: <channel-group> on dev <switch-instance> has no global rules applied (no space for classifiers)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

no space for global classifier rules

Message EXFX [<pid>]: Addition of <port> to agg <channel group> failed as there\'s no space for global classifier rules to be applied

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

no vlan entry for

Message DBG:_exfx_uc12_fdbPVlanEntryDelete <number>: No VLAN entry for <number>

Severity err/3

Explanation A MAC address for a VLAN was deleted from memory, probably because a VLAN was been deleted.

Recommended Action No action required.

partial reset

Message EXFX [<pid>]: On partial reset failed to remove non local channel group members for channel group <internal-channel-group-index> on instance <switch-instance>

Severity err/3

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly remove ports from a hardware table that holds channel group information.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: On partial reset failed to remove port <port> from channel group <internal-channel-group-index>, rc <error-code>

Severity err/3

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly remove ports from a hardware table that holds channel group information.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: On partial reset can\'t find interface entry for channel group <internal-channel-group-index>

Severity err/3

Explanation A problem may have occurred in a software component. The effect of this problem was that the software did not properly remove ports from a hardware table that holds channel group information.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

pbr action could not be updated

Message EXFX [<pid>]: PBR action could not be updated for prefix <prefix-string>

Severity err/3

Explanation A problem may have occurred in a software component. The effect of this problem was that policy-based routing may not work correctly for traffic destined to the specified subnet.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

phy ctrl reg failed

Message EXFX [<pid>]: Reading PHY ctrl reg failed (rc=%d) or ctrl_val==0 (<value>)

Severity crit/2

Explanation Either a hardware component is faulty, or a software error occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Writing PHY ctrl reg failed (rc=%d) or ctrl_val==0 (<value>)

Severity crit/2

Explanation Either a hardware component is faulty, or a software error occurred.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

platform command

Message EXFX [<pid>]: Platform command <cli- issued-number> failed with error <error-F1265code>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Invalid platform command <cli-issued number>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

prefix failed

Message EXFX [<pid>]: Prefix exception failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Prefix delete blackhole failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Prefix delete failed: Invalid NextHop IP address

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Prefix delete failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Prefix add blackhole failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Prefix add failed: Invalid NextHop IP address

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Prefix add failed: Invalid prefix

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

qos input queue

Message EXFX [<pid>]: Failed to set the QoS input queue algorithm to <Priority/wrr>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to configure QoS input queue map

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

qos red curve setting failed

Message EXFX [<pid>]: QoS red curve setting failed

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

qos rules unable to be removed

Message EXFX [<pid>]: QoS Rules were unable to be removed from hardware when QoS disabled

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

qos wwr queue

Message EXFX [<pid>]: Failed to <enable/disable> QoS WRR queue on ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to set QoS WRR queue group limit on ifx 5001

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to set QoS WRR queue limit on ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

qsp action is vlandisable

Message EXFX [<pid>]: QSP Action is VLANDISABLE but the class-map does not match on vlan

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

resetting dynamic forwarding information

Message EXFX [<pid>]: Resetting dynamic forwarding information

Severity warning/4

Explanation This is an informational message. A VCStack member had to take over the role of stack master before all the forwarding information from the old master was synchronised with the new stack master. The new stack member had to reset its dynamic forwarding information to a default state.

Recommended Action No action required.

resiliency-link

Message EXFX [<pid>]: Could not delete port <if-index> to resiliency-link VLAN <vlan>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Could not delete port <ifindex> from resiliency-link VLAN <vlan> in H/W

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Resiliency port delete: Could not find interface <if-index> for resiliency-link

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Could not set STP state for resiliency-link port <if-index>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Could not add port <if-index>) to resiliency-link in H/W

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Could not add port <if-index> to resiliency-link in kernel

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Resiliency port add: Could not find interface <if-index> for resiliency-link

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Deleting resiliency-link <vlan> failed in H/W (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Deleting resiliency-link <vlan> failed in kernel

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed updating mcast blocking on resiliency-link vlan <vlan>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Creating resiliency-link vlan<vlan> in kernel failed

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Creating resiliency-link vlan10 in hardware failed

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

secondary hardware address

Message EXFX [<pid>]: Delete secondary hardware address failed: Invalid vlan ifindex <vlan-ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Add secondary hardware address failed: Invalid vlan ifindex <vlan-ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

show platform setphy

Message EXFX [<pid>]: Show Platform setphy: Unable to create file <filename>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

stp instance

Message EXFX [<pid>]: Failed to unbind VLAN <vlan> from STP instance <instance-id>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Failed to bind VLAN<vlan> to STP instance <instance id>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message	EXFX [<pid>]: Failed to delete STP instance <instance id>
Severity	err/3
Explanation	A problem may have occurred in a software component.
Recommended Action	Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message	Failed to add STP instance <instance id>
Severity	err/3
Explanation	A problem may have occurred in a software component.
Recommended Action	Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message	EXFX [<pid>]: Failed to set STP state for interface <ifindex> STP Instance <instance id>
Severity	err/3
Explanation	A problem may have occurred in a software component.
Recommended Action	Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

thrash-limit

Message EXFX [<pid>]: Unable to set thrash-limit action and timeout parameters for ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Unable to set thrash-limit

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

tried to process event

Message EXFX [<pid>]: Tried to process event <vcs-event> <number> times and have failed - ignoring the event

Severity info/6

Explanation Internal software audit trace. The software did not properly remove the VCS member switch from the management system.

Recommended Action No action required.

trunk doesn't exist

Message Trunk <hw-trunk-id> from interface <port>, doesn't exist

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action To clear this error, reboot the switch or stack. Report this to your authorised Allied Telesis distributor or reseller, with the output from the \"show tech-support\" command.

unable to delete interface

Message EXFX [<pid>]: Unable to delete interface ifx (<ifindex>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to disable port from vlan

Message EXFX [<pid>]: Unable to disable port from vlan ifx(<ifindex>) vid(<vlan>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to get mru

Message EXFX [<pid>]: Unable to get MRU for ifx (<ifindex>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to get port-security status

Message EXFX [<pid>]: Unable to get port-security status for ifx(<ifindex>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to get the duplex mode

Message EXFX [<pid>]: Unable to get the duplex mode for ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to get the port speed

Message EXFX [<pid>]: Unable to get the port speed for ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to retrieve intrusion-list

Message EXFX [<pid>]: Unable to retrieve intrusion-list for ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to retrieve vlan-thrash bitmap

Message EXFX [<pid>]: Unable to retrieve vlan-thrash bitmap for ifx <ifindex>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to set learn-state

Message EXFX [<pid>]: Unable to set learn-state for all ports
learn=<learn=0 don\'t learn=1>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unrecoverable error

Message EXFX [<pid>]: Unrecoverable error occured on startup,
stopping exfx

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

waiting on secondary au processing

Message EXFX [<pid>]: Been waiting on Secondary AU processing
for dev <devNum> msgType <msgType>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

web-auth forwarding port

Message EXFX [<pid>]: Fail to delete Web-auth forwarding port <TCP-UDP port> from ifx 5001 (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message EXFX [<pid>]: Fail to add Web-auth forwarding port <TCP-UDP port> on ifx 5001 (<error-code>)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

IPv6 Messages

dbg:exfx_

Message EXFX[<pid>]:DBG:exfx_cExt_lpmIpv6UcPrefixSearch
411:rc=16

Severity err/3

Explanation IPv6 has been disabled, so IPv6 traffic is being switched by the CPU, not switched by the switch chip.

Recommended Action If this is intended behaviour, no action is required.

Multicast Messages

no more free mll pairs

Message DBG:exfx_mll_pairFindFreeInVectorZone 371: No more free mll pairs in initial pair zone

Severity debug/7

Explanation The L3 multicast table on the switch is full. (The term MLL means 'Multicast Linked List'; this is an internal name for this table). If you capture the output from the 'show platform table ipmulti' command on a switch outputting this log message, you will see a LOT of entries

Recommended Action Use the 'show platform table ipmulti' command.

If all the L3 multicast entries in this table are for streams that you want to be forwarding, to destinations that you want to have receiving these streams, then you will need to look at changing the network. You may need to upgrade to a switch with a larger L3 multicast table, or to re-arrange the L3 multicasting points in the network to spread the load over more switches.

You might find, however, that there are a lot of entries for streams to 239.255.255.250 and 239.255.255.253. These are the Microsoft UPnP multicast addresses - a lot of Microsoft workstations and servers send a lot of traffic to these addresses whether they are needed or not, and IGMP joins for these addresses. This results in lots of L3 multicast entries from different source addresses with forwarding entries to multiple downstream VLANs.

If you do not use any of these Microsoft UPnP services, then you should configure the switch with ACL entries to drop packets destined to 239.255.255.250 and 239.255.255.253.

Network Messages

cpg flow control disabled

Message EXFX [<pid>]: CPG Flow control disabled after <number> seconds!

Severity warning/4

Explanation Control messages from the stack master to other stack members were previously being generated faster than they could be processed, so flow control had been applied for a while, to enable the message backlog to be cleared. The flow control has now been lifted as the backlog has been cleared.

Recommended Action This could indicate that there is instability in the network - too many changes in hardware tables (MAC tables and/or route tables and/or multicast tables, etc) in quick succession, and the stack was not able to process all these changes fast enough. If these messages continue to be generated, then investigate what these rapid network changes are - maybe large numbers of routes are flapping, or rapid topology changes are occurring, etc.

cpg flow control enabled

Message EXFX [<pid>]: CPG Flow control has been enabled for <seconds+F1320> seconds!

Severity warning/4

Explanation Control messages from the stack master to other stack members were being generated faster than they could be processed. A backlog of unprocessed messages was building up. Therefore, flow control was being applied for a while, to enable the message backlog to be cleared.

Recommended Action This could indicate that there is instability in the network - too many changes in hardware tables (MAC tables and/or route tables and/or multicast tables, etc) in quick succession, and the stack is not able to process all these changes fast enough. If these messages continue to be generated, then investigate what these rapid network changes are - maybe large numbers of routes are flapping, or rapid topology changes are occurring, etc.

fdb table full

Message EXFX [<pid>]: Unable to add mac <mac-addr> for new MC Group. FDB table full

Severity warning/4

Explanation The switch could not store the MAC address for the new multicast group, because there was not enough space in the forwarding database. The effect of this was that data destined for this multicast group would be flooded to all ports on the same VLAN as that on which the data arrived, rather than being selectively forwarded to only those ports where IGMP reports for the multicast group had been received.

Recommended Action The problem was that too many unicast and multicast MAC addresses were being learnt by the switch. To resolve this, consider either:

- changing the network design to reduce the scope of the Layer-2 broadcast domains, or
- upgrading the switch to a model with a larger MAC table capacity.

loop protection disabled port

Message EXFX [<pid>]: Thrash: Loop Protection has disabled port on ifindex <ifindex>

Severity warning/4

Explanation The loop detecton protocol has disabled the port. This may indicate a network loop.

Recommended Action No action required. If this message is repeated, investigate possible network loops, and resolve.

Message EXFX [<pid>]: Thrash: Loop Protection has disabled port on ifindex <ifindex> vlan <vlan>

Severity warning/4

Explanation The loop detecton protocol has disabled the port. This may indicate a network loop.

Recommended Action No action required. If this message is repeated, investigate possible network loops, and resolve.

loop protection re-enabled port

Message EXFX [<pid>]: Thrash: Loop Protection has re-enabled port on ifindex <ifindex>

Severity warning/4

Explanation The loop detecton protocol has re-enabled the port. This may indicate a network loop.

Recommended Action No action required. If this message is repeated, investigate possible network loops, and resolve.

Message EXFX [<pid>]: Thrash: Loop Protection has re-enabled port on ifindex <ifindex> vlan<vlan>

Severity warning/4

Explanation The loop detecton protocol has re-enabled the port. This may indicate a network loop.

Recommended Action No action required. If this message is repeated, investigate possible network loops, and resolve.

no space available for new ecmp

Message EXFX [<pid>]: Unable to remove route p:<prefix> nh:<nexthop> mac:<mac-F1385address> vid:<vid> port:<portname>. No space available for new ECMP

Severity warning/4

Explanation There was not enough space in the switch\'s hardware IP routing table to hold all the routes that were advertised to the switch. The effect of this was that not all the ECMP routes to a particular subnet would be used.

Recommended Action Consider either:

- optimising the route advertisements sent to the switch by employing more route summarisation in the network, or
- upgrading the switch to another model that has a higher route table capacity.

port changed from locked to unlocked

Message EXFX [<pid>]: Port-security: Port state has been changed from LOCKED to UNLOCKED on port <port-name>

Severity info/6

Explanation Port security had previously detected that packets from too many different source MAC addresses were arriving into the port, and so had locked it. This message means that the port was taken out of the locked state, and returned to normal service.

Recommended Action If this is intended, no action required.

port changed from unlocked to locked

Message EXFX [<pid>]: Port-security: Port state has been changed from UNLOCKED to LOCKED on port <port-name>

Severity info/6

Explanation Port security detected that packets from too many different source MAC addresses were arriving into the port, and therefore locked the port.

Recommended Action If this is intended, no action is required.

port security

Message EXFX [<pid>]: Port-security: End of intruder hash bucket (size 8) for Port <port-name> MAC <mac-address>

Severity warning/4

Explanation Port security was enabled on the port, and a maximum limit had been set on the number of MAC addresses to learn on that port. This limit has been exceeded.

Recommended Action Investigate whether an intruder has been attached to that port.

unable to add mc l2 route-vidx table full

Message EXFX [<pid>]: Unable to add MC L2 entry for MAC <mac-addr> vid <vid>. VIDX table full

Severity warning/4

Explanation The switch could not store the MAC address for the new multicast group, because it exceeds the limit on the number of different multicast groups that the switch can forward at Layer-2.

Recommended Action If you need to forward more multicast streams in the network, you will need to upgrade to a switch model with a higher Layer-2 multicast limit.

unable to add mc l3 route-vidx table full

Message EXFX [<pid>]: Unable to add MC L3 route (GRP: <ip-address>, SRC: <ip-address>) for dest vid <vid>. VIDX table full

Severity warning/4

Explanation The switch could not store the MAC address for the new multicast group, because it exceeds the limit on the number of different multicast groups that the switch can forward.

Recommended Action If you need to forward more multicast streams in the network, you will need to upgrade to a switch model with a higher multicast limit.

Switch Configuration Messages

hash collisions

Message EXFX [<pid>]: Failed to add MAC for MC Group due to hash collisions

Severity warning/4

Explanation The switch\'s hardware MAC table was not able to store the MAC address. This was not due to the whole MAC table being full, but due to the specific region where this particular MAC address must be stored being full.

Recommended Action The switch uses an algorithm to determine the location where MAC addresses must be stored. The algorithm depends on the MAC address and the VLAN ID. Changing either of those values can change the location where the MAC must be stored, and it may find an available location. In the particular case of multicast MAC addresses, changing the destination IP address of the multicast stream will change the MAC address. So, if you have a large number of multicast groups in use on the network, you may consider changing the addressing of these groups, and it could rearrange the MAC addresses in the table to a more even distribution.

insufficient space to add mld acl

Message EXFX [<pid>]: Insufficient space in the H/W table to add MLD ACL

Severity err/3

Explanation The switch attempted to create a new hardware ACL, but failed because there was insufficient space in its hardware tables.

Recommended Action Consider reducing the number of ACLs configured. To display information about ACLs, use the command `\show platform classifier statistics utilization brief\`.

policy map name exceeds 64 characters

Message EXFX [<pid>]: Policy Map name exceeds 64 characters

Severity err/3

Explanation A command to apply a policy map to a port contained a policy map name of more than 64 characters.

Recommended Action Change the policy map name to a shorter name of less than 64 characters.

Topology Messages

skip re-enabling

Message Thrash: Skip re-enabling vlan <vid> on <interface> as higher priority protocol has it disabled.

Severity warning/4

Explanation The MAC thrashing feature attempted to unblock a port because it no longer needed to block it to protect against MAC thrashing, but either EPSR or Loop Protection had blocked the port, and is set as a higher priority.

Recommended Action If this is intended behaviour then no action is required.
To check which protocol is set as the highest priority for blocking, use the '\show port-vlan-forwarding-priority\' command.
To change the priority setting, use the '\port-vlan-forwarding-priority\' command.

ATMF

This chapter contains messages generated by the ATMF (Allied Telesis Management Framework) program.

- *"ATMF Messages"* on page 115
- *"Internal Messages"* on page 137
- *"Licensing Messages"* on page 143

ATMF Messages

atmf master requires amf-minor license

Message ATMF[<pid>] The ATMF master requires AMF-MINOR license to support <node-name>

Severity err/3

Explanation A Minor Client (x200 or x210) is trying to join the ATMF network via that node. But an AMF-MINOR license can not be found on the ATMF master.

Recommended Action Obtain an AMF-MINOR license and install it on the ATMF master. To obtain a license, contact your authorised Allied Telesis distributor or reseller.

atmf network detected

Message ATMF[<pid>]: ATMF network detected

Severity crit/2

Explanation The device has started up unconfigured but has detected a neighboring device that is a member of an ATMF network. This is one of the conditions required for the device to perform ATMF automatic node recovery.

Recommended Action No action required.

atmf safe config applied

Message ATMF[<pid>]: ATMF safe config applied (forwarding disabled)

Severity crit/2

Explanation The device has been started as a clean (factory fresh) unit and has detected that it is connected to an ATMF network. A special safe configuration has been applied to the device. This configuration prevents normal user/data traffic from being forwarded by the device, guarding against data leakage and packet storms. This make it safe for the unconfigured unit to remain connected to the network. However, it additionally allows ATMF traffic to be sent and received enabling the device to attempt ATMF automatic node recovery or for the device to be manually configured via ATMF working-set commands.

Recommended Action No action required.

attempting to recover

Message ATMF[<pid>]: Attempting to recover as <node-name>

Severity crit/2

Explanation ATMF automatic node recovery is attempting to recover the device as the specified ATMF node.

Recommended Action No action required.

automatic node recovery abandoned

Message ATMF[<pid>]: Automatic node recovery abandoned (a neighbor has no identity for this node) - user intervention required

Severity crit/2

Explanation ATMF automatic node recovery was abandoned because one of the neighbouring nodes had no identity information relating to the node this device is replacing.

Recommended Action Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the "\"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

Message ATMF[<pid>]: Automatic node recovery abandoned (invalid node name) - user intervention required

Severity crit/2

Explanation ATMF automatic node recovery was abandoned because one of the neighboring nodes provided an invalid (empty) node name for this device.

Recommended Action If the name of the node that is being replaced is known, use the "\"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

Message	ATMF[<pid>]: Automatic node recovery abandoned (invalid node id) - user intervention required
Severity	crit/2
Explanation	ATMF automatic node recovery was abandoned because one of the neighboring nodes provided an invalid node ID for this device.
Recommended Action	If the name of the node that is being replaced is known, use the "\"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

Message	ATMF[<pid>]: Automatic node recovery abandoned (mismatching interface index) - user intervention required
Severity	crit/2
Explanation	ATMF automatic node recovery was abandoned because one of the neighbouring nodes sent interface index information that did not match the receiving interface on this device.
Recommended Action	Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the "\"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

Message	ATMF[<pid>]: Automatic node recovery abandoned (incompatible device) - user intervention required
Severity	crit/2
Explanation	ATMF automatic node recovery was abandoned because the device is not of the same type as this device it is replacing.
Recommended Action	Acquire a device that is of the same type as the device that is to be replaced and then attempt ATMF automatic node recovery again. If a device of the appropriate type is not available, initiate a manual node recovery with the current device using the \"atmf recover (<node-name>)\" command. Manual node recovery does not perform the device type checks and automatically configures a release file that is compatible with the new device.

Message	ATMF[<pid>]: Automatic node recovery abandoned (mismatching node name) - user intervention required
Severity	crit/2
Explanation	ATMF automatic node recovery was abandoned because the neighboring nodes had inconsistent information about the name of the node that this device is replacing.
Recommended Action	Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the \"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

Message ATMF[<pid>]: Automatic node recovery abandoned (mismatching node id) - user intervention required

Severity crit/2

Explanation ATMF automatic node recovery was abandoned because the neighboring nodes had inconsistent information about the node ID of the node that this device is replacing.

Recommended Action Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the \"atmf recover NODE-NAME\" command to initiate a manual node recovery for that node.

automatic node recovery aborted

Message ATMF[<pid>]: Automatic node recovery aborted.
<automatic|manual> recovery already underway

Severity crit/2

Explanation The device attempted to perform an automatic ATMF node recovery, but detected that either a user-initiated (manual) or automatic recovery was already underway.

Recommended Action Wait until the recovery has completed. Check the result of the recovery by referring to log messages displayed on the console.

automatic node recovery failed

Message ATMF[<pid>]: Automatic node recovery failed - user intervention required

Severity crit/2

Explanation The device was attempting to perform ATMF automatic node recovery but it was not successful.

Recommended Action Refer to log messages generated prior to this message for further information about why the recovery failed.
To attempt ATMF automatic node recovery again, reboot the device.
To attempt ATMF manual node recovery, use the "atmf recover" command.
Or alternatively, manually configure the device, save the configuration and reboot the device.

automatic node recovery started

Message ATMF[<pid>]: Automatic node recovery started

Severity crit/2

Explanation Having performed some initial checks and gathered enough data, the device is now attempting to perform ATMF automatic node recovery.

Recommended Action No action required.

checking master node

Message ATMF[<pid>]: Checking master node availability

Severity crit/2

Explanation The device is trying to detect the presence of ATMF master nodes in order to perform ATMF node recovery.

Recommended Action Wait for node recovery to begin. If action is required the user will be notified by further log messages.

could not listen

Message ATMF[<pid>] : Could not listen AF_UNIX: <reason>

Severity /

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, rebooting at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

could not restart system

Message ATMF[<pid>] : Could not restart system - exiting

Severity crit/2

Explanation ATMF is rebooting the node. A previous log message probably describes why.

Recommended Action Wait for the node to reboot. Check the previous log messages for the reason for the reboot.

cross-link partner is not responding

Message ATMF[<pid>] :Interface <port> cross-link partner is not responding\"

Severity err/3

Explanation The specified port is configured for ATMF, but is not receiving ATMF packets as expected. The nodes cannot form an ATMF because the cross-links are not communicating.

Recommended Action Check the links on both devices ('show atmf link\' and \'show atmf link statistics interface\' commands) and ensure both node links are configured as cross-links (switchport atmf-crosslink).

device is not eligible for automatic node recovery

Message ATMF[<pid>]: Device is not eligible for automatic node recovery -- configuration files found on root directory

Severity crit/2

Explanation One or more files with \".cfg\" suffix (configuration files) were found in the device's flash file system, which makes it ineligible for ATMF automatic node recovery.

Recommended Action Remove all configuration files from the device's flash file system and reboot in order to attempt ATMF automatic node recovery again.

Message ATMF[<pid>]: Device is not eligible for automatic node recovery -- user created directories found on flash

Severity crit/2

Explanation One or more user-created directories were found in the device's flash file system, which makes it ineligible for ATMF automatic node recovery.

Recommended Action Remove all user-created directories from the device's flash file system and reboot in order to attempt ATMF automatic node recovery again.

Message ATMF[<pid>]: Device is not eligible for automatic node recovery -- boot configuration is set

Severity crit/2

Explanation The device has a boot configuration file set, which makes it ineligible for ATMF automatic node recovery.

Recommended Action Remove the boot configuration file using the \"no boot config-file\" command and reboot in order to attempt ATMF automatic node recovery again.

Message ATMF[<pid>]: Device is not eligible for automatic node recovery -- backup boot configuration is set

Severity crit/2

Explanation The device has a backup boot configuration file set, which makes it ineligible for ATMF automatic node recovery.

Recommended Action Remove the backup boot configuration file using the \"no boot config-file backup\" command and reboot in order to attempt ATMF automatic node recovery again.

Message ATMF[<pid>]: Device is not eligible for automatic node recovery -- autoboot SD media found

Severity crit/2

Explanation The device has external media configured for autoboot, which makes it ineligible for ATMF automatic node recovery.

Recommended Action Either remove the SD card or delete the autoboot configuration from the SD card using the \"delete force card:autoboot.txt\" command. Then reboot the device in order to attempt ATMF automatic node recovery again.

Message ATMF[<pid>]: Device is not eligible for automatic node recovery -- autoboot USB media found

Severity crit/2

Explanation The device has USB external media configured for autoboot, which makes it ineligible for ATMF automatic node recovery.

Recommended Action Either remove the USB device or delete the autoboot configuration from the USB device using the command:
delete force usb:autoboot.txt
Then reboot the device in order to attempt ATMF automatic node recovery again.

failed to activate l2tp tunnel

Message ATMF[<pid>] : Failed to activate l2tp tunnel from <local_ip> to <remote_ip>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to create l2tp

Message ATMF[<pid>] : Failed to create l2tp tunnel from <local_ip> to <remote_ip>

Severity warning/4

Explanation The ATMF virtual link creation across local 192.168.1.101 and remote 192.168.1.102 failed.

Recommended Action If the ATMF link is not created, rebooting the device at a convenient time may help.
Otherwise, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to find

Message ATMF[<pid>]: Failed to find any master nodes

Severity crit/2

Explanation The device was attempting to perform ATMF automatic node recovery but was unable to make contact with any ATMF master nodes

Recommended Action Check the status of all devices in the network that are configured as ATMF master nodes and confirm that they are correctly connected to the network. If they are not correctly connected, restore their connection to the network and reboot this device.
If all master nodes are correctly connected, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to initiate automatic node recovery

Message ATMF[<pid>]: Failed to initiate automatic node recovery

Severity crit/2

Explanation An ATMF automatic node recovery but did not start because of a lack of system resources or some other internal error.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command. Reboot the device and allow it to attempt automatic node recovery again.

ignoring atmf neighbors on mismatching network

Message ATMF[<pid>]: Ignoring ATMF neighbors on (<network-name>) - mismatching network

Severity crit/2

Explanation While gathering information for ATMF automatic node recovery, this device has detected a neighboring node that is part of an ATMF network with a different name to the one that previous information has been received from. This neighbor will be ignored.

Recommended Action If the specified network is the one that the device should connect to, remove all connections to the other network and reboot the device. If automatic recovery has already occurred the device may need to be cleaned in order to trigger automatic recovery when rebooted. If it is not intended that the device join the specified ATMF network, then no action is required

inactivity timer expired

Message ATMF[<pid>] : ATMF port <if-index> inactivity timer expired

Severity warning/4

Explanation The ATMF link on the port with the specified interface index is not responding.

Recommended Action Check the state of the link on each node ('show atmf links' command).

incompatible device

Message ATMF[<pid>]: Incompatible device (<current-device-id> != <previous-device-id>)

Severity Notice/5

Explanation During ATMF automatic node recovery it was found that this device is not of the same type as the device it is replacing.

Recommended Action Acquire a device that is of the same type as the device that is to be replaced and then attempt ATMF automatic node recovery again. If a device of the appropriate type is not available, initiate a manual node recovery with the current device using the "atmf recover <node-name>" command. Manual node recovery does not perform the device type checks and automatically configures a release file that is compatible with the new device.

invalid node id

Message ATMF[<pid>]: Invalid node ID (<node-id>) from neighbor <node-name>

Severity Notice/5

Explanation The specified neighboring ATMF node provided an invalid node ID for this device. This information is essential for ATMF automatic node recovery, which cannot be attempted as a result.

Recommended Action If the name of the node that is being replaced is known, use the `\atmf recover <node-name>\` command to initiate a manual node recovery for that node.

Invalid node name from neighbor

Message ATMF[<pid>]: Invalid node name from neighbor <node-name> (\ "\ ")

Severity Notice/5

Explanation A neighboring ATMF node with the specified name sent a message to this device with invalid (i.e., empty) name information regarding the node that was previously connected in the position of this new device. This information is essential for ATMF automatic node recovery, which cannot now be attempted.

Recommended Action If the name of the node that is being replaced is known, use the `\atmf recover <node-name>\` command to initiate a manual node recovery for that node.

mismatching interface index

Message ATMF[<pid>]: Mismatching interface index (<ifindex> != <ifindex>)

Severity Notice/5

Explanation During ATMF automatic node recovery, a neighbouring node sent interface index information that did not match the receiving interface on this device.

Recommended Action Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the `"atmf recover <node-name>"` command to initiate a manual node recovery for that node.

mismatching node id

Message ATMF[<pid>]: Mismatching node ID (<node-id> != <node-id>)

Severity Notice/5

Explanation During ATMF automatic node recovery the neighboring nodes had inconsistent information about the node ID of the node that this device is replacing.

Recommended Action Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the `"atmf recover <node-name>"` command to initiate a manual node recovery for that node.

mismatching node name

Message ATMF[<pid>]: Mismatching node name (\"<node-name>\ " != \"<node-name>\ ")

Severity Notice/5

Explanation During ATMF automatic node recovery, it was found that neighboring nodes had inconsistent information about the name of the node that this device is replacing.

Recommended Action Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the \"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

neighbor has no identity for this node

Message ATMF[<pid>]: Neighbor <node-name> has no identity for this node

Severity Notice/5

Explanation The device received an ATMF message from the specified neighboring device, but it did not contain any information about identity of the device that used to be connected to that neighbor in this position. This information is essential for ATMF automatic node recovery, which cannot now be attempted.

Recommended Action Check that the device has been connected to the network in exactly the same way as the device it is replacing was connected. If this is found to be incorrect, make the necessary changes and reboot the device to attempt automatic recovery again. Alternatively, if the name of the node that is being replaced is known, use the \"atmf recover <node-name>\" command to initiate a manual node recovery for that node.

no free node id entries

Message ATMF[<pid>] : No free node id entries available

Severity crit/2

Explanation All the node IDs for this ATMF have been allocated. No more nodes can be added to this ATMF.

Recommended Action Do not configure any more nodes for this ATMF.

no identity found for this device

Message ATMF[<pid>]: No identity found for this device so automatic node recovery is not possible

Severity crit/2

Explanation None of the neighbouring ATMF nodes provided this device with information about the identity of the node it is replacing. Therefore, ATMF automatic node recovery is not possible.

Recommended Action If you know the name of the node that this device is replacing, use the "\atmf recover NODE-NAME\" command to perform a manual node recovery of the node.

scheduled backup not started

Message ATMF[<pid>]: Scheduled backup not started because backup already in progress

Severity err/3

Explanation A backup of all nodes in the ATMF network was scheduled to commence but was not started as a backup was already underway. This may be because the previous scheduled backup has not yet completed or because a manual backup was initiated by a user and this has not yet completed.

Recommended Action Check the current backup status by running the "show atmf backup" command

Message	ATMF[<pid>]: Scheduled backup not started because media not found
Severity	err/3
Explanation	A backup of all nodes in the ATMF network was scheduled to commence but did not start because there was no external media (SD card or USB device) present.
Recommended Action	Check your device to confirm whether there is any external media present. Insert external media if there is none present. If external media was present, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Message	ATMF[<pid>]: Scheduled backup not started because media is not writable
Severity	err/3
Explanation	A backup of all nodes in the ATMF network was scheduled to commence but did not start because the external media device was write protected.
Recommended Action	Check the write-protection switch on your external media. If the media is write-protected, set it to be write-enabled. If the external media was already write-enabled, contact your authorised Allied Telesis distributor or reseller.

Message ATMF[<pid>]: Scheduled backup not started due to internal error (<error-number>)

Severity err/3

Explanation A backup of all nodes in the ATMF network was scheduled to commence but did not start due an unexpected internal error.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

scheduled backup skipped

Message ATMF[<pid>]: Scheduled backup skipped - disabled

Severity warning/4

Explanation A backup of all nodes in the ATMF network was scheduled to commence but did not start as backups are currently disabled by the user.

Recommended Action Check backup status with the "show atmf backup" command. Backups can be enabled with the "atmf backup enable" command. Otherwise no action required.

scheduled backup unable

Message ATMF[<pid>]: Scheduled backup unable to start

Severity err/3

Explanation A backup of all nodes in the ATMF network was scheduled to commence but did not start due to a lack of system resources or some other internal error.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

state changing to blocking

Message Interface (<interface>) state changing to blocking

Severity info/6

Explanation An ATMF link, cross-link or virtual link changed state to blocking for the specified interface.

Recommended Action If this behaviour is intended, no action is required.

state changing to forwarding

Message Interface (<interface>) state changing to forwarding

Severity info/6

Explanation An ATMF link, cross-link or virtual link changed state to forwarding for the specified interface.

Recommended Action If this behaviour is intended, no action is required.

timer not initialized

Message ATMF[<pid>]: Timer not initialized

Severity err/3

Explanation A timer associated with ATMF scheduled backups was not initialized correctly at startup.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.
Reboot your device and check the output of "show atmf backup" to confirmed a backup is scheduled.

wrong network-name

Message ATMF[<pid>] : Wrong network-name <network-name> for this ATMF <network-name>

Severity crit/2

Explanation A node connected to the ATMF has a different atmf network name to other members of the ATMF.
This node will not join the network.

Recommended Action Find the node and modify the atmf network-name to the correct name. The configuration will need to be saved and the node rebooted after modifying the atmf network-name.

For example, use the commands:

```
configure terminal
atmf network-name Building1
end
copy running-config startup-config
reload
```

Internal Messages

atmf packet debug thread not created

Message ATMF[<pid>] : ATMF Packet debug thread not created

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If the message recurs, rebooting the device at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

cannot create debug tx

Message ATMF[<pid>] : Cannot create debug tx pkt client connections socket

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, rebooting the device at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Message Cannot create debug tx pkt client connections socket

Severity err/3

Explanation Internal software audit trace related to packet debug.

Recommended Action No action required. If this message recurs, rebooting at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

could not bind af_unix

Message ATMF <pid> : Could not bind AF_UNIX: (reason)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, rebooting the device at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

could not set socket

Message ATMF <pid> : Could not set socket to nonblocking:
(reason)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

error command failed

Message ATMF[<pid>] : Error command failed

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If the message recurs, rebooting the device at a convenient time may help. Otherwise, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command. .

error configuring socket

Message ATMF[<pid>] : Error configuring socket for Rx on a port.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command and reboot the device.

Message ATMF[<pid>] : Error configuring socket for Tx.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, rebooting the device at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Message ATMF[<pid>] : Error configuring socket for Rx on management VLAN.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, rebooting the device at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to bind socket

Message ATMF[<pid>] : Failed to bind socket to local address <local_ip>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required. If this message occurs repeatedly, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to open socket

Message ATMF[<pid>] : Failed to open socket to local address <local_ip>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required. If this message recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to setup iptables

Message Failed to setup iptables for ATMF

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action No action required. If the message recurs, rebooting the device at a convenient time may help. If it persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to stop vlan... forwarding

Message Failed to stop vlan<vlan-id> forwarding

Severity err/3

Explanation Internal software audit trace.

Recommended Action If this message recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command and reboot the device.

failed to update atmf.configured

Message Failed to update atmf.configured file

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command and reboot the device.

no free atmf node id

Message ATMF[<pid>] : No free ATMF node id found

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

Licensing Messages

number of nodes permitted by license ... exceeded

Message ATMF[<pid>] : Number of nodes permitted by license AMF-MASTER-<id> exceeded.
Please contact customer support for assistance.

Severity crit/2

Explanation There are more nodes than the license on the master node supports. This message will repeat until an additional licence is installed, or excess nodes are removed.

Recommended Action To purchase an additional licence, contact your authorised Allied Telesis distributor or reseller.

ATMFFSD

This chapter contains messages generated by the ATM File Server program.

- *"ATMF Messages"* on page 145
- *"ATMFFS Messages"* on page 155
- *"Internal Messages"* on page 157

ATMF Messages

aborted backup

Message ATMFFS[<pid>]: Aborted backup on <node-name> by user request

Severity err/3

Explanation The backing up of the specified ATMF node was stopped as a result of a user entering the "atmf backup stop" command. No further nodes will be backed up as part of the current automatic or manual backup.

Recommended Action No action required.

aborted due to file error

Message ATMFFS[<pid>]: Aborted due to file error - please replace or reformat media

Severity err/3

Explanation The ATMF node backup process has found that the external media has become corrupted and can no longer be written to.

Recommended Action Check that the write-protection switch on the external media device has not been set. If it has, unset it. Otherwise the media device needs to be replaced with a new one, or removed and reformatted. When the media problem has been resolved, execute a manual node backup using the "atmf backup now" command to ensure a valid backup exists.
If problems persist, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

atmf network name is not configured

Message ATMFFS[<pid>]: Unable to proceed because ATMF network name is not configured

Severity err/3

Explanation An ATMF node backup could not be done as the ATMF network name could not be determined.

Recommended Action Check that a network has been configured by using the "show atmf" command. If this does not resolve the issue, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

backing up node

Message ATMFFS[<pid>]: Backing up node <node-name>

Severity debug/7

Explanation This device has begun backing up data for the ATMF node with the specified node-name.

Recommended Action No action required.

backup of all nodes completed

Message ATMFFS[<pid>]: Backup of all nodes completed successfully

Severity Notice/5

Explanation An ATMF master node has successfully made a backup of all nodes currently in the ATMF network, without any errors occurring.

Recommended Action No action required. All ATMF nodes that were backed up should be able to perform automatic or manual node recovery.

backup of node ... completed

Message ATMFFS[<pid>]: Backup of node <node-name> completed successfully

Severity Notice/5

Explanation An ATMF master node has successfully made a backup of the specified ATMF node, without any errors occurring.

Recommended Action No action required.

could not create backup...

Message ATMFFS[<pid>]: Could not create backup_<node-name>.info file

Severity err/3

Explanation The ATMF node backup system was unable to create the file containing information about the backup of the specified node.

Recommended Action Use the "show atmf backup" command to see the available space on the external media. If the external media device is indicated as running out of space, replace it with one of greater capacity. If the card is replaced, immediately execute a manual node backup via the "atmf backup now" command, to ensure there is a valid backup available.

If there is plenty of free space on the media device, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

directory

Message ATMFFS[<pid>]: Directory \'<directory-path>\' has been created

Severity debug/7

Explanation The specified directory has been created to store ATMF node backup data.

Recommended Action No action required.

directory used to store atmf

Message ATMFFS[<pid>]: Failed to create directory \'<directory-path>\': <error-string>

Severity err/3

Explanation A directory used to store ATMF node backup data was not created.

Recommended Action Use the "show atmf backup" command to see the exact amount of space remaining on the external media. If the external media device is indicated as running out of space, consider replacing it with one of greater capacity. If the card is replaced, immediately execute a manual node backup via the "atmf backup now" command, to ensure there is a valid backup available. If there is plenty of free space on the media device, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

***Advance Users Only:

If the external media has been used for other purposes previously, consider manually deleting unneeded data in order to create space. Users must be careful not to corrupt the ATMF backup data. Once some space has been created, reinsert the external media and immediately initiate and manual backup using the "atmf backup now" command, to ensure that the media contains a valid backup.

errors occurred

Message ATMFFS[<pid>]: Errors occurred during all-nodes backup

Severity Notice/5

Explanation The device has just completed a backup of all nodes in the ATMF network, but some errors occurred.

Recommended Action Determine the nodes for which the errors occurred by examining the output of the "show atmf backup" command. Detailed information about the nature of the errors can be found by inspecting the output of "show atmf backup logs". Capture the output of these commands and send it to your authorized Allied Telesis distributor or reseller .

ATMF nodes that have errors in their backup will not be able to perform automatic node recovery. They may be able to perform manual ATMF node recovery.

Advanced Users Only:

Log into the device that has errors. If the files for which errors occurred were created by a user they can be deleted. The user should then manually initiate a backup on the master node(s) using the "atmf backup now" command to ensure there is an error free backup for that node. System files must not be deleted as this will affect the function of the device.

Message	ATMFFS[<pid>]: Errors occurred during node <node-name> backup
Severity	Notice/5
Explanation	The device has just completed a backup of the specified ATMF node, but some errors occurred.
Recommended Action	<p>Detailed information about the nature of the errors can be found by inspecting the output of "show atmf backup logs". Capture the output of these commands and send it to your authorized Allied Telesis distributor or reseller.</p> <p>ATMF nodes that have errors in their backup will not be able to perform automatic node recovery. They may be able to perform manual ATMF node recovery.</p> <p>Advanced Users Only:</p> <p>Log into the device that has errors and, if the files for which errors occurred were created by a user they can be deleted. The user should then manually initiate a backup on the master node(s) using the "atmf backup now" command to ensure there is an error free backup for that node. System files must not be deleted as this will affect the function of the device.</p>

manual backup

Message	ATMFFS[<pid>]: Manual backup has started
Severity	Notice/5
Explanation	A user has initiated a backup of all nodes in the ATMF network onto this device's external media.
Recommended Action	No action required.

node ... failed

Message ATMFFS[<pid>]: Node \`<node-name>` failed with \`<error-string>` - use \`'show atmf backup logs'` for details

Severity err/3

Explanation While performing an ATMF backup of the specified node, the specified error occurred.

Recommended Action Detailed information about the nature of the errors can be found by inspecting the output of 'show atmf backup logs' command. Capture the output of these commands and send it to your authorised Allied Telesis distributor or reseller . ATMF nodes that have errors in their backup will not be able to perform automatic node recovery. They may be able to perform manual ATMF node recovery.

Advanced Users Only:
Log into the device that has errors and if the files for which errors occurred were created by a user they can be deleted. The user should then manually initiate a backup on the master node(s) using the "atmf backup now" command to ensure there is an error free backup for that node. System files must not be deleted as this will affect the function of the device.

running backup

Message ATMFFS[<pid>]: Running backup on all nodes

Severity debug/7

Explanation This device has begun backing up data for all ATMF nodes in this ATMF network.

Recommended Action No action required.

running single node backup

Message ATMFFS[<pid>]: Running single node backup on node <node-name>

Severity debug/7

Explanation This device has begun backing up data for the ATMF node with the specified node-name.

Recommended Action No action required.

scheduled backup has started

Message ATMFFS[<pid>]: Scheduled backup has started

Severity Notice/5

Explanation The ATMF automated backup system has initiated a backup of all nodes in the ATMF network onto this device's external media.

Recommended Action No action required.

scheduled backup media

Message ATMFFS[<pid>]: Scheduled backup media space is below <threshold>MB

Severity warning/4

Explanation The remaining space available on external media for storing ATMF backup data has dropped below the specified threshold.

Recommended Action Use the "show atmf backup" command to see the exact amount of space remaining on the external media. Consider replacing the external media device with one of greater capacity.

***Advance Users Only:

If the external media has been used for other purposes previously, consider manually deleting unneeded data in order to create space. Users must be careful not to corrupt the ATMF backup data. Once some space has been created, reinsert the external media and immediately initiate and manual backup using the "atmf backup now" command, to ensure that the media contains a valid backup.

unable to create backup

Message ATMFFS[<pid>]: Unable to create backup info file

Severity err/3

Explanation A file used to record information about ATMF node backup data was not created.

Recommended Action Use the "show atmf backup" command to see the exact amount of space remaining on the external media. If the external media device is indicated as running out of space, consider replacing it with one of greater capacity. If the card is replaced, immediately execute a manual node backup via the "atmf backup now" command, to ensure there is a valid backup available. If there is plenty of free space on the media device, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

***Advance Users Only:

If the external media has been used for other purposes previously, consider manually deleting unneeded data in order to create space. Users must be careful not to corrupt the ATMF backup data. Once some space has been created, reinsert the external media and immediately initiate a manual backup using the "atmf backup now" command, to ensure that the media contains a valid backup.

unable to proceed

Message ATMFFS[<pid>]: Unable to proceed because cannot find path to external media

Severity err/3

Explanation ATMF node backup could not be performed because the device has no external media (SD card or USB device) present.

Recommended Action Check your device to confirm whether there is any external media present. Insert external media if there is none present. If external media is present, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

ATMFFS Messages

could not remove old rsync log file

Message ATMFFS[<pid>]: Could not remove old rsync log file
'<log-file-name>' : <error-string>

Severity err/3

Explanation When attempting to backup an ATMF node, an associated log file was not able to be deleted.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to launch backup

Message ATMFFS[<pid>]: Failed to launch backup for node
<node-name>

Severity err/3

Explanation An ATMF node backup but did not start due to a lack of system resources or some other internal error.

Recommended Action Check that there is sufficient space space available on external media.
Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

unable to open rsync log

Message ATMFFS[<pid>]: Unable to open rsync log file

Severity err/3

Explanation The ATMF node backup system was unable access a file used to report backup status.

Recommended Action Check that there is space available on the external media.
Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Internal Messages

unable to determine mode

Message ATMFFS[<pid>]: Unable to determine mode

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

ATMFFSR

This chapter contains messages generated by the ATM File System Recovery program.

- *"ATMF Messages"* on page 159
- *"ATMFFSR Messages"* on page 167
- *"Internal Messages"* on page 173

ATMF Messages

attempting to ping

Message ATMFFSR[<pid>]: Attempting to ping all masters
(attempt=<number>)

Severity debug/7

Explanation During ATMF node recovery, the node began an attempt to complete a ping to each master node. The number indicates the attempt number, e.g. 2 means the second attempt.

Recommended Action No action required.

automatic node recovery ping

Message ATMFFSR[<pid>]: Automatic node recovery ping -c 1 -w 1
<ip-address> was <ping-result>

Severity debug/7

Explanation During ATMF automatic node recovery, a ping to the master node with the specified IP address had the given result ("successful" or "unsuccessful").

Recommended Action If the result is 'successful', no action is required. If 'unsuccessful', check that all ATMF master nodes are correctly connected to the network and visible to other nodes. Use the "show atmf nodes" command to confirm this.

backup not found

Message ATMFFSR[<pid>]: Backup not found on master node <node-name>, failed with error <error-code>

Severity crit/2

Explanation The device attempted to retrieve ATMF node recovery data from the specified master node, but no such information could be retrieved.

Recommended Action If the device was attempting an automatic node recovery, on each ATMF master node (or via an ATMF working-set "atmf working-set group master") capture the output of the "show atmf backup" and "show atmf backup logs". Also capture the output of "show tech-support" on the node that was attempting node recovery. Contact your authorized Allied Telesis distributor or reseller with this data.

If the device was attempting a manual node recovery where the master node had been specified, on the ATMF master node (or via an ATMF working-set command) check if there is recovery data present for this device by inspecting the output of "show atmf backup". If no data is present for the node check all other master nodes. If there is a master node with data for this node, retry the manual recovery specifying the master node which has the data.

In all other cases, on each ATMF master node (or via an ATMF working-set "atmf working-set group master") capture the output of the "show atmf backup" and "show atmf backup logs". Also capture the output of "show tech-support" on the node that was attempting node recovery. Contact your authorized Allied Telesis distributor or reseller with this data.

failed to contact

Message ATMFFSR[<pid>]: Failed to contact all master nodes

Severity crit/2

Explanation While attempting ATMF node recovery, the device failed to make contact with any master nodes.

Recommended Action Check that the ATMF master nodes are correctly connected to the network. If they are connected correctly, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to find a master

Message ATMFFSR[<pid>]: Failed to find a master node with a valid backup

Severity crit/2

Explanation While attempting ATMF node recovery, the device was unable to find a master node that has an error-free backup for the node which this device is attempting to recover.

Recommended Action On each master node (or via an ATMF working-set "atmf working-set group master"), check the output of the "show atmf backup" command. Determine if any of the master nodes has a backup for the node. If there is a backup, check the status of it. If the status is not "GOOD" this will most likely be the cause of the failure. Inspect the output of "show atmf backup logs" to determine the nature of the error in the backup. In the case of non-fatal errors a recovery may still be possible. The status check can be overridden by performing a manual node recovery, specifying the name of the master node to retrieve the backup data from ("atmf recover <node-name> <master-name>"). If none of the masters have a backup for the desired node, it is not possible to use node recovery. In all other cases, on each ATMF master node (or via an ATMF working-set "atmf working-set group master"), capture the output of the "show atmf backup" and "show atmf backup logs". Also capture the output of "show tech-support" on the node that was attempting node recovery. Send the captured data to your authorized Allied Telesis distributor or reseller.

failed to identify

Message ATMFFSR[<pid>]: Failed to identify master node <node-name>

Severity crit/2

Explanation During ATMF node recovery it was not possible to obtain the IP address of the specified master node.

Recommended Action Check the specified master node is operating correctly and connected to the ATMF network. If it appears to be OK, execute the "show tech-support" command on the master node and the device that is being recovered, then send the output to your authorized Allied Telesis distributor or reseller.

failed to parse backup

Message ATMFFSR[<pid>]: Failed to parse backup info file <file-name>

Severity crit/2

Explanation During an ATMF node recovery, a backup information file retrieved from a master node could not be processed.

Recommended Action On each ATMF master node (or via an ATMF working-set "atmf working-set group master"), capture the output of the "show atmf backup" and "show atmf backup logs". Also capture the output of "show tech-support" on the node that was attempting node recovery. Send the captured data to your authorized Allied Telesis distributor or reseller.

failed to retrieve the backup from master node

Message ATMFFSR[<pid>]: Failed to retrieve the backup from master node <node-name> with error <error-code>

Severity crit/2

Explanation During an ATMF node recovery, an error occurred while transferring data from the specified master node.

Recommended Action On each ATMF master node (or via an ATMF working-set \"atmf working-set group master\") capture the output of the commands \"show atmf backup\" and \"show atmf backup logs\". Also capture the output of \"show tech-support\" on the node that was attempting node recovery. Contact your authorized Allied Telesis distributor or reseller with the captured data.

failed to transfer backup

Message ATMFFSR[<pid>]: Failed to transfer backup information from master node <node-name>

Severity debug/7

Explanation During an ATMF node recovery, a backup information file could not be retrieved from the specified master node.

Recommended Action On the specified ATMF master node (or via an ATMF working-set), capture the output of the "show atmf backup" and "show atmf backup logs". Also capture the output of "show tech-support" on the node that was attempting node recovery. Send the captured data to your authorized Allied Telesis distributor or reseller.

no valid boot system found

Message ATMFFSR[<pid>]: No valid boot system found

Severity crit/2

Explanation During ATMF automatic node recovery, it was found that the file system retrieved from the master node did not contain a valid release file. It is possible that the ATMF node which the device is attempting to recover as did not have a release stored in flash. If this is the case it is not possible to perform automatic recovery for this node.

Recommended Action It may be possible to perform a manual node recovery. Execute the command "atmf recover" to initiate a manual recovery. During this process the device will attempt to set up a valid release file in the flash file system, based on the the release that the device is currently running. Refer to the log messages output at the console during the process to determine whether this process is successful.

no valid configuration file

Message ATMFFSR[<pid>]: No valid configuration file exists

Severity crit/2

Explanation During ATMF automatic node recovery, it was found that the file system retrieved from the master node did not have a configuration file specified or any default configuration file.

Recommended Action On each ATMF master node (or via an ATMF working-set \"atmf working-set group master\"), capture the output of the commands \"show atmf backup\" and \"show atmf backup logs\". Also capture the output of \"show tech-support\" command on the node that was attempting node recovery. Contact your authorised Allied Telesis distributor or reseller with the captured data.
The device will need to be manually configured. Automatic node recovery is not possible due to corrupted backup data on the master node.

Advanced Users:

If there is more than one master node, it is possible that the one of the other master nodes may have suitable data available. Use the \"atmf recover NODE-NAME MASTER-NAME\" command to perform a manual recovery from a specified master node.

node name could not be found

Message ATMFFSR[<pid>]: Node name could not be found for this node

Severity crit/2

Explanation While attempting ATMF node recovery, the device was unable to determine the identity of the node it should recover as.

Recommended Action If the device was undergoing automatic node recovery, reboot the device to attempt again. If it was attempting a manual node recovery, try again using the \"atmf recover <node-name>\" command. Otherwise, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

node recovery pinged

Message ATMFFSR[<pid>]: Node recovery pinged <count> master(s) and reached <count>

Severity debug/7

Explanation During an ATMF node recovery, the node attempted to ping all the known master nodes in the ATMF network. This message indicates the outcome of that attempt, showing how many master nodes were known about and how many responded to a ping.

Recommended Action If all master nodes responded, no action is required. It is possible for master nodes to be initially unreachable and several attempts may be required. If one or more master nodes remain unreachable yet they are visible in the network to other nodes, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

parsed backup info

Message ATMFFSR[<pid>]: Parsed backup info file status <status> time <time>

Severity debug/7

Explanation During an ATMF node recovery, backup status information was retrieved from a master node indicating the status of the backup and the time at which the backup occurred.

Recommended Action No action required.

retrieving recovery data

Message ATMFFSR[<pid>]: Retrieving recovery data from master node <node-name>

Severity crit/2

Explanation The device is attempting ATMF node recovery and is attempting to retrieve the node's data from the specified master node.

Recommended Action No action required.

validated

Message ATMFFSR[<pid>]: <file-name> validated

Severity debug/7

Explanation During an ATMF node recovery, the specified system file was successfully found.

Recommended Action No action required.

ATMFFSR Messages

configured release is incompatible

Message ATMFFSR[<pid>]: Configured release is incompatible with the current device

Severity crit/2

Explanation During a manual ATMF node recovery, the release file retrieved from the master was found to be invalid or incompatible with the device. The release file will be replaced by the one that is currently running on the device.

Recommended Action No action required.

failed to configure boot release

Message ATMFFSR[<pid>]: Failed to configure boot release with <file-name>

Severity crit/2

Explanation ATMF node recovery failed to install the currently running software as the boot release.

Recommended Action On each ATMF master node (or via an ATMF working-set \"atmf working-set group master\"), capture the output of the \"show atmf backup\" command, the \"show atmf backup logs\" command, and a \"tech-support\" file on the node that was attempting node recovery. Send the captured data to your authorized Allied Telesis distributor or reseller.

failed to open backup info file

Message ATMFFSR[<pid>]: Failed to open backup info file
<file-name>

Severity crit/2

Explanation During an ATMF node recovery, a backup information file could not be retrieved from a master node.

Recommended Action On each ATMF master node (or via an ATMF working-set \"atmf working-set group master\"), capture the output of the \"show atmf backup\" command, the \"show atmf backup logs\" command, and a \"tech-support\" file on the node that was attempting node recovery. Contact your authorised Allied Telesis distributor or reseller with the captured data.

failed to restore release file

Message ATMFFSR[<pid>]: Failed to restore release file
<file-name>

Severity crit/2

Explanation ATMF node recovery failed to install the currently running software as the boot release.

Recommended Action On each ATMF master node (or via an ATMF working-set \"atmf working-set group master\") capture the output of the \"show atmf backup\" command, the \"show atmf backup logs\" command, and a \"tech-support\" file on the node that was attempting node recovery. Send the captured data to your authorized Allied Telesis distributor or reseller.

file recovery from master node succeeded

Message ATMFFSR[<pid>]: File recovery from master node succeeded. Node will now reboot

Severity crit/2

Explanation ATMF automatic node recovery successfully retrieved a valid file system from the master node. The recovery will now reboot the device in order to complete the automatic recovery of the node.

Recommended Action No action required.

interrogating master node

Message ATMFFSR[<pid>]: Interrogating master node <node-name>

Severity debug/7

Explanation The device is determining whether the specified ATMF master has backup data that will allow node recovery to occur.

Recommended Action No action required

manual node recovery completed

Message ATMFFSR[<pid>]: Manual node recovery completed

Severity crit/2

Explanation An ATMF manual node recovery process has successfully completed. The device's file system has been restored to the backed-up state of the selected node.

Recommended Action Reboot the device to have it start running with the configuration of the selected node.

node recovery does not start

Message ATMFFSR[<pid>]: Node recovery does not start on VCS backup member

Severity debug/7

Explanation ATMF node recovery will only occur on VCStack master devices and does not run on VCStack backup members.

Recommended Action No action required

node recovery failed

Message ATMFFSR[<pid>]: <Automatic|Manual> node recovery failed - user intervention required

Severity crit/2

Explanation Automatic or manual ATMF node recovery failed for an undetermined reason.

Recommended Action Refer to preceding messages for explanation of the nature of the problem. If it was an automatic recovery it may be possible to perform a manual recovery using \"atmf recover\" command. If the reason for the failure is not obvious please consult your authorized Allied Telesis agent.

not a valid release file

Message ATMFFSR[<pid>]: <file-name> is not a valid release file (<error-string>)

Severity debug/7

Explanation During ATMF node recovery it was found that the release file retrieved from the master node was not valid or was corrupted in some way.

Recommended Action If the error was generated during an automatic node recovery, it may be possible to perform a manual node recovery using the \"atmf recover\" command. In a manual node recovery, if the release file is found to be invalid, the device will attempt to replace the invalid file with the one which the device is currently running. If manual node recover also fails, on each ATMF master node (or via an ATMF working-set \"atmf working-set group master\"), capture the output of the \"show atmf backup\" command, the \"show atmf backup logs\" command, and a \"tech-support\" file, on the node that was attempting node recovery. Contact your authorised Allied Telesisdistributor or reseller with this data.

not ok to reboot

Message ATMFFSR[<pid>]: NOT OK to reboot

Severity debug/7

Explanation ATMF automatic node recovery failed. The device will not automatically reboot.

Recommended Action Refer to preceding log messages to determine the nature of the failure and appropriate actions.

ok to reboot

Message ATMFFSR[<pid>]: OK to reboot

Severity debug/7

Explanation ATMF automatic node recovery has successfully completed. The device will automatically reboot shortly.

Recommended Action No action required

restoring original firmware

Message ATMFFSR[<pid>]: Restoring original firmware to
flash:<file-name>

Severity crit/2

Explanation During ATMF node recovery, it was found that the release file retrieved from the master node was invalid. The device is replacing the invalid release file with the one the device is currently running.

Recommended Action No action required.

successfully configured boot release

Message ATMFFSR[<pid>]: Successfully configured boot release
with <file-name>

Severity crit/2

Explanation ATMF has successfully configured the currently running release file as the boot release.

Recommended Action No action required.

Internal Messages

network name could not be found

Message ATMFFSR[<pid>]: Network name could not be found for this node

Severity crit/2

Explanation While attempting ATMF node recovery, the device was unable to determine the name of the ATMF network it was attached to.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

atmfpake

- *"Authentication Messages"* on page 175

Authentication Messages

Message Controller authentication failed, area name used for authentication was <area-name>

Severity err/3

Explanation Controller authentication has failed for this master.

Recommended Action Check area configuration and passwords on the controller and area masters for consistency.

automount

This chapter contains messages generated by the automount program.

- *"Automount Messages"* on page 177

Automount Messages

failed to mount

Message Mounting /dev/mmcblk0 on /mnt/card failed: No such device or address mount(generic): failed to mount /dev/mmcblk0 (type vfat) on /mnt/card failed to mount /mnt/card

Severity err/3

Explanation The switch attempted to contact an SD card, but could not find the card. This may be because one of the following reasons:

- there was no SD card installed
- the card was not correctly inserted
- the card was faulty
- the card reader in the switch is faulty.

Recommended Action If no card was inserted, then no action is required. If there was a card inserted at the time, then:

- try re-inserting the card
- try replacing the card
- contact your authorised Allied Telesis distributor or reseller.

BGP

This chapter contains messages generated by the Border Gateway Protocol (BGP) program.

- *"BGP Messages"* on page 179
- *"Feature Licence Messages"* on page 180
- *"Internal Messages"* on page 182

BGP Messages

bgpd starting

Message BGP [<pid>]: BGPd <version-number> starting:
vty@<terminal-port>, bgp@<bgp-tcp-port>

Severity info/6

Explanation The BGP process has started. The standard TCP port for BGP is 179.

Recommended Action No action required.

transport endpoint is not connected

Message BGP [<pid>]: [SOCK CB] sock_getpeer() failed
(<number>:Transport endpoint is not connected), FD(13)

Severity err/3

Explanation BGP failed to establish a connection to a peer. This could be because:

- the link is down
- the peer is not responding
- the peer is not reachable for other reasons

Recommended Action To display information about which BGP peers are connected, use the `\show ip bgp neighbors\` command. Check whether the peer is reachable from this switch, and resolve any issues.

Feature Licence Messages

feature license is not available for bgp

Message BGP [<pid>]: Feature license is not available for BGP.

Severity err/3

Explanation This feature requires a software feature licence. The switch does not have a licence enabled.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the \"show license\" command. To enable a feature licence, use the \"licence\" command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

licencecheck: returns success

Message BGP [<pid>]: SFL: [bgpd] LicenceCheck: returns Success.

Severity info/6

Explanation The software feature licences required to run BGP are available.

Recommended Action No action required.

licencecheck: bgp-full is active

Message BGP [<pid>]: SFL: [bgpd] LicenceCheck: BGP-FULL is active

Severity info/6

Explanation A BGP-FULL software feature licence is available.

Recommended Action No action required.

licencecheck: bgp4+ is active

Message BGP [<pid>]: SFL: [bgpd] LicenceCheck: BGP4+ is active

Severity info/6

Explanation A BGP4+ software feature licence is available.

Recommended Action No action required.

route limit applied

Message BGP [<pid>]: [SFL] route limit of <number> applied

Severity info/6

Explanation The software feature licence installed limits the switch to the specified number of BGP routes.

Recommended Action If this number of routes meets the network requirements, no action is required. If you require support for more BGP routes, contact your authorised Allied Telesis distributor or reseller.

Internal Messages

agentx

Message BGP [<pid>]: AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message BGP [<pid>]: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message BGP [<pid>]: AgentX: read, connection (sock <socket-number>) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message	BGP [<pid>]: Can\'t read AgentX packet: Connection reset by peer, connection closed: <number>
Severity	warning/4
Explanation	Internal software audit trace.
Recommended Action	No action required.

ais

Message	BGP [<pid>]: AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2
Severity	err/3
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	BGP [<pid>]: AIS healthcheck start failed with 2
Severity	err/3
Explanation	Internal software audit trace.
Recommended Action	No action required.

component requested to enter hastate

Message BGP [<pid>]: Component<component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message BGP [<pid>]: Component<component-name> requested to enter hastate SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message BGP [<pid>]: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

chassis

- *"Hardware Support Messages"* on page 186
- *"ISSU Messages"* on page 187
- *"VCN"* on page 192

Hardware Support Messages

bay ... does not support board type

Message chassis[<pid>]: bay <bay> does not support board type <boardtype> - high-speed card not supported in bays 7/9/11/12

Severity crit/2

Explanation The specified bays do not support the board type installed in it. On an SBx8112 chassis, bays 7/9/11/12 do not support high-speed LIFs (eg. XS16).

Recommended Action Move the high-speed LIF to a supported bay.

ISSU Messages

issu aborted

Message chassis[<pid>]: ISSU aborted. The active CFC is running the new release. Any card still running the previous release will need to be restarted

Severity alert/1

Explanation ISSU aborted, and the Active CFC is running the new release. This means that all stack members who haven't been upgraded to the new release will have to be rebooted.

Recommended Action Reboot all stack members who are running the old release, so that they boot up with the new release.

issu detected ... has joined

Message chassis[<pid>]: ISSU detected <stack-member> has joined the chassis while ISSU is active. It may not have been upgraded

Severity alert/1

Explanation A new CFC (stack-member) has joined the stack while ISSU is in progress. Depending on the ISSU state, it may or may not be booted using the new software release.

Recommended Action Once ISSU update is finished, check the AlliedWare Plus release running on the specified new CFC. If it is running a different release from other CFCs, reboot it.

issu failed to restore

Message chassis[<pid>]: ISSU failed to restore the original boot system configuration

Severity alert/1

Explanation ISSU aborted and attempted to roll back the boot configuration to what it was before ISSU started, but something went wrong with this process.

Recommended Action Restore the boot configuration manually with "boot system", and get all stack members running the same version of Alliedware Plus.

issu process aborting

Message chassis[<pid>]: ISSU process aborting because <explanation>

Severity alert/1

Explanation The ISSU process has aborted for the specified reason. This could be because the abort timer expired, a rebooting node failed to rejoin the stack, no node could be found to reboot, something could be wrong with the rejoining node, the stack master failed while ISSU was running, or the master tried to reboot when there were still other nodes that needed rebooting.

Recommended Action Take action to fix the problem specified. Retry ISSU. If the problem persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

issu process has been aborted

Message awplus chassis[<pid>]: ISSU process has been aborted.
User intervention is required as not all CFCs are running the same software

Severity alert/1

Explanation Something went wrong with the ISSU process and it has aborted. If there are some CFCs in the chassis running a different release from the master, then the second sentence will also print.

Recommended Action Use the "show card" command to see which cards need to be rebooted, and reboot them to complete the ISSU process. This does not have to be done right away; the chassis should be stable running different releases on the cards.

issu process has finished rebooting

Message chassis[<pid>]: ISSU process has finished rebooting
<stack-members>

Severity alert/1

Explanation The ISSU process has finished rebooting the CFCs in the stack. The config will unlock, and the LIFs will need to be rebooted at some point to be upgraded.

Recommended Action No immediate action required. To upgrade the LIFs, reboot them.

issu process is now active

Message chassis[<pid>]: ISSU process is now active

Severity alert/1

Explanation The ISSU process has passed all of the precondition checks and is now starting.

Recommended Action No action required.

issu process stopping while upgrading

Message chassis[<pid>]: ISSU process stopping while upgrading active CFC because <explanation>

Severity alert/1

Explanation The ISSU process has stopped running early for the specified reason, while it is in the Upgrading Active CFC state. This could be because the abort timer expired, a rebooting node failed to rejoin the stack, or the stack master failed while ISSU was running.

Recommended Action All active CFCs should be running new software, so verify chassis status. If the stack appears stable, then no further action is needed. Otherwise, address the reason given for stopping the process.

issu process successfully completed

Message awplus chassis[<pid>]: ISSU process successfully completed.

Severity alert/1

Explanation All stack members are now running the same software version, and therefore ISSU has finished

Recommended Action No action required.

issu process was unable to complete

Message chassis[<pid>]: ISSU process was unable to complete because <reason>

Severity alert/1

Explanation All stack members are now running the same software version. Therefore the ISSU process is finished. However, in this case the process didn't successfully complete because of <REASON>.

Recommended Action If the stack is now running the new release, then no further action is required. If the stack is running the old release, try running ISSU again.

issu state has changed

Message chassis[<pid>]: ISSU state has changed from <previous-state> to <new-state>

Severity alert/1

Explanation ISSU has changed state.

Recommended Action No action required.

reboot all cards

Message chassis[<pid>]: Please reboot all cards running the previous release to complete ISSU. Run "show card" for more information.

Severity alert/1

Explanation ISSU has finished upgrading the CFCs in the chassis to the new release. Now the user must reboot the LIFs so that they can be upgraded as well.

Recommended Action Reboot the line-cards in the chassis so that they can be upgraded. This does not need to happen quickly. You can use the 'show card' command to see which cards in the chassis need to be rebooted.

VCN

card ... is not valid for use with vcstacking

Message Card <x.y> MAC <aaaa.bbbb.cccc> is not valid for use with VCStacking

Severity crit/2

Explanation The MAC address of the card on CFC960 stack cannot start with 0x02 for the non-globally-unique bit. Any MAC address set to this value will generate a warning.

Recommended Action Do not set the MAC address of the card on CFC960 to 0x02 for the non-globally-unique bit.

Command handling (IMI)

This chapter contains messages generated by the Command handling (IMI) program.

- *"Clock Messages"* on page 194
- *"DHCP Relay Messages"* on page 197
- *"Feature Licence Messages"* on page 198
- *"Interface Messages"* on page 201
- *"Internal Messages"* on page 203
- *"Licensing Messages"* on page 207
- *"Logging Messages"* on page 210

Clock Messages

clock: failed to set permissions

Message Clock: failed to set permissions on localtime

Severity warning/4

Explanation The switch attempted to use a file in Flash memory to store clock time zone or summer time information. This was not successful, possibly because there was insufficient free space available in Flash memory.

Recommended Action Check the Flash file system to ensure that there is free memory available in flash ('show file systems' command).

failed to add

Message Clock: failed to add start DST rules

Severity warning/4

Explanation The switch was unable to save the daylight savings information in the time zone file, possibly because there was insufficient free space available in flash memory.

Recommended Action Check the flash file system to ensure that there is free memory available ('show file systems' command).

Message Clock: failed to add end DST rules

Severity warning/4

Explanation The switch was unable to save timezone information, possibly because there was insufficient free space available in flash memory.

Recommended Action Check the flash file system to ensure that there is free memory available ('show file systems' command).

failed to configure timezone

Message Clock: failed to configure timezone

Severity warning/4

Explanation The switch was unable to configure the clock using the parameters entered in the 'clock timezone' and 'clock summer-time date' commands.

Recommended Action Check the parameters in the 'clock timezone' and 'clock summer-time date' commands.

failed to create dst

Message Clock: failed to create DST recurring rules

Severity warning/4

Explanation An error has occurred while attempting to set the summer time rules. This may be because an invalid set of parameters were entered using the 'clock summer-time recurring' command.

Recommended Action Check that the entered values are correct.

Message Clock: failed to create DST date rules

Severity warning/4

Explanation When setting up a date-based summer time zone, the configuration failed.

Recommended Action Check that the values entered for a date-based summer time zone are valid ('clock summer-time date' command).

failed to create timezone

Message Clock: failed to create timezone details

Severity warning/4

Explanation The switch could not save a file with time zone information, possibly because there was insufficient free space available in flash memory.

Recommended Action Check the flash file system to ensure that there is free memory available ('show file systems' command).

DHCP Relay Messages

maximum number of dhcp-relay agents

Message The maximum number of dhcp-relay agents has been reached.

Severity warning/4

Explanation The maximum number of DHCP relay agents for the device has been reached, so no further agents can be added.

Recommended Action Rearrange the agents to different interfaces if required. Only the first 400 agents in a configuration file will be actioned.

Feature Licence Messages

bgp-64 feature has been added

Message SFL: BGP-64 feature has been added

Severity warning/4

Explanation A BGP-64 software feature licence was installed by a user.

Recommended Action No action required.

feature has been added

Message SFL: BGP-FULL feature has been added

Severity warning/4

Explanation A BGP-FULL software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: BGP4+ feature has been added

Severity warning/4

Explanation A BGP4+ software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: OSPF-FULL feature has been added

Severity warning/4

Explanation An OSPF-FULL software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: OSPFv3 feature has been added

Severity warning/4

Explanation An OSPFv3 software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: PIM feature has been added

Severity warning/4

Explanation A PIM software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: PIM6 feature has been added

Severity warning/4

Explanation A PIM6 software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: RIPNG feature has been added

Severity warning/4

Explanation A RIPNG software feature licence was installed by a user.

Recommended Action No action required.

Message SFL: VlanDT feature has been added

Severity warning/4

Explanation A VlanDT (VLAN Double Tagging) software feature licence was installed by a user.

Recommended Action No action required.

Interface Messages

unable to determine trunk id from static aggregato

Message IMI: Unable to determine trunk id from static aggregator name: <static-aggregator-name>

Severity err/3

Explanation There is an error in the trunk ID of the static aggregator. It should be numeric after the 'sa' prefix.

Recommended Action Check in the startup configuration that the port range is valid and refers to valid ports.

unable to parse l2 range for line

Message Unable to parse l2 range for line: <port-range>

Severity err/3

Explanation There is an error in the syntax of the port range in a command.

Recommended Action Check in the startup configuration that the port range is valid and refers to valid ports.

unable to validate l2 range for line

Message Unable to validate l2 range for line: <port-range>

Severity err/3

Explanation There is an error with the syntax of the port range or at least one named port does not exist.

Recommended Action Check in the startup configuration that the port range is valid and refers to valid ports.

Internal Messages

agentx

Message AgentX: send, BAD_SEND, lib_errno: -11, sys_errno: 33

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message Can\'t read AgentX packet: Connection reset by peer, connection closed: 10

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message AgentX: process_packet (Operational state), Response-PDU, 0:18

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message AgentX: process_packet, unhandled PDU, Operational state

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

agentx ping retries

Message (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx requested pdu

Message AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: read connection closed

Message AgentX: read, connection (sock 10) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message AIS healthcheck start failed with 28

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message Component <component-name> requested to enter hastate
SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Licensing Messages

current software is licensed

Message IMI[<pid>]: SFL: The current software is licensed.
Exiting unlicensed mode.

Severity warning/4

Explanation A release license has been added to the stack member or CFC so that it is now licensed for the currently running AlliedWare Plus software version.

Recommended Action No action required.

current software is not licensed

Message IMI[<pid>]: SFL: The current software is not licensed.
Entering unlicensed mode.

Severity warning/4

Explanation The stack member or CFC does not have a valid release license for the AlliedWare Plus version it is currently running.

Recommended Action Install the required release license or contact your authorised Allied Telesis distributor or reseller to obtain one.

Message IMI[<pid>]: The current software is not licensed.

Severity crit/2

Explanation The stack member or CFC does not have a valid release license for the AlliedWare Plus version it is currently running.

Recommended Action Install the required software license or contact your authorised Allied Telesis distributor or reseller to obtain one.

failed to access the chassis mac

Message IMI[<pid>]: SFL: Error loading licenses. A protocol module has failed to access the chassis MAC.

Severity crit/2

Explanation The process of loading licenses at start-up has not gone entirely as expected. There is now possibly (but not necessarily) an inconsistent view between different processes as to what the chassis MAC is. This could manifest as unexpected licensing behaviour if the feature licenses are bound to the chassis MAC.

This message may occur during a full chassis reboot if one CFC fails before it finishes booting.

Recommended Action Reboot the CFC that generated the log message. (Note that the message will show in the logs stack-wide, not just on the CFC that generated the message.) If the issue persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

synchronizing licenses within chassis failed

Message IMI[<pid>]: SFL: Synchronizing licenses within chassis failed.

Severity crit/2

Explanation During start-up, all the feature licenses are copied from one CFC to the other (within the same chassis) to ensure that they both have the same feature licenses. This message means that this process failed.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Logging Messages

verification of the release file has failed

Message Verification of the release file has failed, please verify it

Severity warning/4

Explanation When the secure mode is enabled, the user needs to verify the release file before rebooting.

Recommended Action Use the command 'crypto verify' to do an integrity check for the release file you are loading.

Command Handling (IMISH)

This chapter contains messages generated by the Command Handling (IMISH) program

- *"Command Messages"* on page 212
- *"OpenSSH Messages"* on page 213
- *"Public Key Infrastructure (PKI) Messages"* on page 216
- *"QoS Messages"* on page 220
- *"RADIUS Secure Proxy Messages"* on page 221
- *"Secure Mode Messages"* on page 222
- *"System Configuration Messages"* on page 224
- *"User Access Messages"* on page 225

Command Messages

<command>

Message <command>

Severity Notice/5

Explanation A log message is generated to echo each command that is entered (with valid command syntax) at the command line interface.

Recommended Action No action required.

OpenSSH Messages

crypto key destroy hostkey

Message [`<username>@<terminal>`]crypto key destroy hostkey
{`dsa|rsa|rsa1|ecdsa`}

Severity Notice/5

Explanation The command to delete the existing public and private keys of the SSH server was executed successfully. In secure mode, only `ecdsa` keys are available.

Recommended Action No action required.

crypto key generate hostkey

Message [`<username>@<terminal>`]crypto key generate hostkey
{`dsa|rsa|rsa1|ecdsa`} [`256 | 384`]

Severity Notice/5

Explanation The command to generate public and private keys for the SSH server was executed successfully. In secure mode, only `256` or `384` `ecdsa` keys are available.

Recommended Action No action required.

crypto key pubkey-chain userkey

Message [`<username>@<terminal>`]crypto key pubkey-chain userkey
`<username> [<filename>]`

Severity Notice/5

Explanation The command to add a public key for an SSH user on the SSH server was executed successfully.

Recommended Action No action required.

Message [`<username>@<terminal>`]crypto key pubkey-chain userkey
`<user name>`

Severity Notice/5

Explanation The command to associate a Public Key with an SSH user was executed successfully.

Recommended Action No action required.

show crypto key hostkey

Message [`<username>@<terminal>`]show crypto key hostkey
`[dsa|rsa|rsa1| ecdsa]`

Severity Notice/5

Explanation The command to display the SSH host keys generated by rsa, dsa, and ecdsa algorithms was executed successfully. In secure mode, only ecdsa keys are available.

Recommended Action No action required.

show crypto key pubkey-chain userkey

Message [`<username>@<terminal>`]show crypto key pubkey-chain userkey manager

Severity Notice/5

Explanation The command to display the public keys registered with the SSH server for SSH users was executed successfully.

Recommended Action No action required.

show ssh server

Message [`<username>@<terminal>`]show ssh server

Severity Notice/5

Explanation The command to display the current configuration of the Secure Shell Server was executed successfully.

Recommended Action No action required.

virtual terminal connection ... has timed out

Message Virtual Terminal connection # `<0-32>` has timed out.

Severity crit/2

Explanation The no-activity time limit set by the "exec-timeout" command has expired and automatically logged off the VTY connection.

Recommended Action No action required (re-establish SSH connection if required).

Public Key Infrastructure (PKI) Messages

certificate validation failed

Message Certificate validation failed: <subject>: <reason>

Severity err/3

Explanation An X.509 certificate imported via a user command has failed certificate validation, and is therefore unusable.

Recommended Action Import a valid certificate to replace the certificate that was rejected.

crypto key zeroize all

Message [<username>@<terminal>]crypto key zeroize all

Severity Notice/5

Explanation All cryptographic public/private key pairs have been deleted successfully.

Recommended Action No action required.

crypto pki

Message [<username>@<terminal>]crypto pki <pki options>

Severity Notice/5

Explanation The command for creating a trustpoint, authenticating CA, generating CSR, or importing client certificate was executed successfully.

Recommended Action No action required.

enrollment terminal

Message [`<username>@<terminal>`]enrollment terminal

Severity Notice/5

Explanation The trustpoint will use certificates that are pasted into the system at the terminal.

Recommended Action No action required.

no crypto pki certificate

Message [`<username>@<terminal>`]no crypto pki certificate
<TRUSTPOINT WORD>

Severity Notice/5

Explanation The command to delete a certificate with the specified fingerprint from the specified trustpoint was executed successfully.

Recommended Action No action required.

no crypto pki trustpoint

Message [`<username>@<terminal>`]no crypto pki trustpoint <name>

Severity Notice/5

Explanation The command to destroy the trustpoint was executed successfully.

Recommended Action No action required.

no server mutual-authentication

Message [`<username>@<terminal>`]no server mutual-authentication

Severity Notice/5

Explanation Mutual certificate validation has been disabled.

Recommended Action No action required.

server trustpoint

Message [`<username>@<terminal>`]server trustpoint <name>

Severity Notice/5

Explanation These trustpoints will be used with the RadSecProxy AAA application.

Recommended Action No action required.

show crypto pki certificates

Message [`<username>@<terminal>`]show crypto pki certificates
[TRUSTPOINT]

Severity Notice/5

Explanation The command to display information about existing certificates for the specified trustpoint was executed successfully.

Recommended Action No action required.

subject-name

Message [`<username>@<terminal>`]subject-name <"Fully qualified domain name">

Severity Notice/5

Explanation The command to specify the customized subject name as a distinguished name string was executed successfully.

Recommended Action No action required.

QoS Messages

egress rate limit cannot be set

Message Egress rate limit cannot be set when queue-limit is already applied

Severity err/3

Explanation The switch cannot be configured with the 'egress-rate-limit' command, because it is set to use a custom tail-drop profile by a previous queue-limit configuration ('wrr-queue' command or 'priority-queue' command).

Recommended Action If the egress-rate-limit is required, first remove the queue-limit configuration. If the 'no' version of the queue limit command 'wrr-queue queue-limit' does not succeed in removing it, try resetting the port to bind to the default tail drop profile by using the command:
wrr-queue queue-limit 12 12 12 12 12 12 12 12

Then use the 'egress-rate-limit' command.

RADIUS Secure Proxy Messages

radius-secure-proxy aaa

Message [`<username>@<terminal>`]radius-secure-proxy aaa

Severity Notice/5

Explanation The command to enter the configuration mode for the RadSecProxy local-server application was executed successfully.

Recommended Action No action required.

show radius-secure-proxy aaa

Message [`<username>@<terminal>`]show radius-secure-proxy aaa

Severity Notice/5

Explanation The command to show information about the RadSecProxy AAA application was executed successfully.

Recommended Action No action required.

Secure Mode Messages

crypto secure-mode

Message [`<username>@<terminal>`]crypto secure-mode

Severity Notice/5

Explanation The command to put the device into secure mode was executed successfully.

Recommended Action No action required.

crypto secure-mode-selftest

Message [`<username>@<terminal>`]crypto secure-mode-selftest

Severity Notice/5

Explanation The command to execute secure-mode selftest manually was executed successfully.

Recommended Action No action required.

crypto verify

Message crypto verify <Release> <Hash-Value>

Severity Notice/5

Explanation The attempt to verify the release file against its hash value was a success.

Recommended Action No action required.

no crypto secure-mode

Message [`<username>@<terminal>`]no crypto secure-mode

Severity err/3

Explanation The command to take the device out of secure mode was executed successfully. The user is required to save the config and restart the system for this change to take effect. The error message "Something went wrong while checking secure mode" will be logged if the user does not save the config and restart the system.

Recommended Action No action required.

show post

Message [`<username>@<terminal>`]show post

Severity Notice/5

Explanation The command to display the result of secure-mode selftest was executed successfully. In secure mode, the output of the command also contains the result for cryptographic algorithms.

Recommended Action No action required.

System Configuration Messages

show boot

Message [<username>@<terminal>]show boot

Severity Notice/5

Explanation The command to show the current boot configuration was executed successfully.

Recommended Action No action required.

User Access Messages

security-password configuration

Message [`<username>@<terminal>`]show security-password configuration

Severity Notice/5

Explanation The command to display the configuration settings for the various security password rules was executed successfully.

Recommended Action No action required.

security-password minimum-length

Message [`<username>@<terminal>`]security-password minimum-length `<Password length>`

Severity Notice/5

Explanation The command to specify the minimum allowable password length was executed successfully.

Recommended Action No action required.

corerotate

This chapter contains messages generated by the internal corerotate program. This program responds to some software events by saving files for debugging purposes.

- *"Exception and Debug File Messages" on page 227*

Exception and Debug File Messages

exception information saved

Message corerotate [<pid>]: Exception information saved to flash:/<filename>.tgz

Severity alert/1

Explanation A problem may have occurred in a software component. An exception core dump file with the specified name was saved to flash memory. The filename indicates the program, the software version, and a timestamp associated with the exception.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command and the specified exception core dump file.

Message corerotate [<pid>]: File /flash/<filename>.tgz removed.

Severity warning/4

Explanation The switch deleted the specified debug or exception core file from flash memory, because there was insufficient space to save the next exception core or debug file.

Recommended Action Check the space available in the switch's flash memory, and consider deleting unnecessary files to make more space available.

Message corerotate [<pid>]: Debug information saved to
flash:/<filename>.tgz

Severity Notice/5

Explanation A debug file with the specified name was saved to flash memory. The debug file contains a snapshot of the logs. The filename indicates the reason, the software version, and a timestamp for the debug file.

Recommended Action No action required. If other more severe log messages indicate a problem may have occurred with a software component, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command and the specified debug file.

corosync

This chapter contains messages generated by the internal program corosync. All these messages are internal.

- *"Internal Messages"* on page 230

Internal Messages

amf

Message corosync [<pid>]: [amf.c:<number>] Successfully read AMF configuration file \'/etc/ais/amf-stackable.conf\'.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

amf sync: running sync_request

Message corosync [<pid>]: [amf.c:<number>] AMF sync: running sync_request function!

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

amfsg

Message corosync [<pid>]: [amfsg.c:<number>] \'Failover node\' for node node-<id> recovery action started

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

clm

Message corosync [<pid>]: [clm.c:<number>] Members Left:

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [clm.c:<number>] Members Joined:

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [clm.c:<number>] \\011r(0)
ip(<ip-address>)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

cluster

Message corosync [<pid>]: [amf.c:<number>] AMF synchronisation ready, starting cluster

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [amfcluster.c:<number>] Cluster: all applications started, assigning workload.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [amfcluster.c:<number>] Cluster: application net assigned.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

failed to receive

Message corosync [<pid>]: [totemsrc.c:<number>] FAILED TO RECEIVE

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

main

Message corosync [<pid>]: [main.c:<number>] Corosync Executive Service RELEASE \'trunk\'

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [main.c:<number>] Copyright (C) 2002-2006 MontaVista Software, Inc and contributors.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [main.c:`<number>`] Copyright (C)
2006–2008 Red Hat, Inc.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [main.c:`<number>`] Corosync Executive
Service: started and ready to provide service.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [main.c:`<number>`] Successfully
configured openais services to load

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [main.c:<number>] Successfully read main configuration file \'/etc/corosync.conf\'.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

message continuation doesn't match previous frag

Message corosync [<pid>]: [totempg.c:<number>] Message continuation doesn't match previous frag e: <number> - a: <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

nsm exited

Message corosync [<pid>]: component node-<id>:nsm exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

restarting node

Message corosync [<pid>]: restarting node node-<id>

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

service initialized

Message corosync [<pid>]: [[service.c:<number>] Service initialized \'corosync cluster closed process group service v1.01\']

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [[service.c:<number>] Service initialized \'corosync cluster config database access v1.01\']

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [service.c:<number>] Service initialized \'corosync configuration service\'

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [[service.c:<number>] Service initialized \'corosync extended virtual synchrony service\'

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [[service.c:<number>] Service initialized \'openais availability management framework B.01.01\'

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [service.c:<number>] Service initialized \'openais checkpoint service B.01.01\'

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [service.c:<number>] Service initialized \'openais cluster membership service B.01.01\'

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

sync

Message corosync [<pid>]: [sync.c:<number>] Using virtual synchrony filter corosync_vsf_ykd

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [sync.c:<number>] This node is within the primary component and will provide service.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [sync.c:<number>] This node is within the non-primary component and will NOT provide any services.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

throwing away broken message

Message corosync [<pid>]: [totempg.c:<number>] Throwing away broken message: continuation <number>, index <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totem srp.c:`<number>`] position [`<number>`] member `<ip-address>`:

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

totemnet

Message corosync [`<pid>`]: [totemnet.c:`<number>`] The network interface [`<ip-address>`] is now up.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totemnet.c:`<number>`] The network interface is down.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totemnet.c:`<number>`] Receive multicast socket recv buffer size (`<number>` bytes).

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totemnet.c:`<number>`] Transmit multicast socket send buffer size (`<number>` bytes).

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

totemsrp

Message corosync [`<pid>`]: [totemsrp.c:`<number>`] Token Timeout (`<milliseconds>` ms) retransmit timeout (`<milliseconds>` ms)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] token hold (<milliseconds> ms) retransmits before loss (<number> retrans)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message [totemsrc:<number>] join (<milliseconds> ms)
send_join (<milliseconds> ms) consensus (<milliseconds> ms) merge (<milliseconds> ms)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] downcheck (<milliseconds> ms) fail to recv const (<number> msgs)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc.c:<number>] segno unchanged const (4 rotations) Maximum network MTU <number>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc.c:<number>] window size per rotation (<number> messages) maximum messages per rotation (<number> messages)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc.c:<number>] send threads (<number> threads)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] RRP token expired timeout (<milliseconds> ms)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] RRP token problem counter (<milliseconds> ms)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] RRP threshold (<number> problem count)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totemsrc:`<number>`] RRP mode set to none.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totemsrc:`<number>`] heartbeat_failures_allowed (0)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [`<pid>`]: [totemsrc:`<number>`] max_network_delay (`<milliseconds>` ms)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] HeartBeat is Disabled. To enable set heartbeat_failures_allowed > 1

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] Saving state aru <hex-number> high seq received <hex-number>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] entering OPERATIONAL state.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] entering GATHER state from <number>.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] entering COMMIT state.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] entering RECOVERY state.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] previous ring seq <number> rep <ip_address>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message [totemsrc:<number>] aru <hex-number> high delivered <hex-number> received flag <hex-number>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] Did not need to originate any messages in recovery.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] Creating commit token because I am the rep.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message [totemsrc:<number>] Storing new sequence id for ring <number>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc:<number>] Sending initial ORF token

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc.c:<number>] Created or loaded sequence id <ip-address>.<number> for this ring.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message corosync [<pid>]: [totemsrc.c:<number>] Retransmit List: <hex-numbers>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

vsf_ykd

Message corosync [<pid>]: [vsf_ykd.c:<number>] This processor is within the primary component.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

COUNTER

This chapter contains messages generated by the COUNTER program.
These are all internal messages.

- *"Internal Messages"* on page 252

Internal Messages

ais healthcheck/response failed

Message COUNTER [<pid>]: AIS (amf_default_csi_set_cb:538)
saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message COUNTER [<pid>]: AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message COUNTER [<pid>]: Component<component-name> requested to
enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message COUNTER [<pid>]: Component<component-name> requested to enter hastate SA_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message COUNTER [<pid>]: Connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

DHCP client (dhclient)

This chapter contains messages generated by the DHCP client program. For more information about the DHCP Client on the switch, see the following chapters chapter in the Software

Reference: Dynamic Host Configuration Protocol (DHCP) Introduction and Dynamic Host Configuration Protocol (DHCP) Commands. There are no debug commands for the DHCP Client, DHCP Relay, or DHCP Server. In order to see debugging messages for these programs, set the filter for the log to include messages to severity level 7 (debugging) and msgtext dhc.

- ["DHCP Client Messages" on page 255](#)

DHCP Client Messages

bound to

Message dhclient: bound to <ip-address> -- renewal in <seconds> seconds.

Severity info/6

Explanation The DHCP client has been assigned the specified IP address, which expires in the specified time.

Recommended Action No action required.

dhcpcap

Message dhclient: DHCPACK from <ip-address>

Severity info/6

Explanation The DHCP client received a DHCPACK packet from a DHCP server in response to its DHCPREQUEST.

Recommended Action No action required.

dhcpcdiscover

Message dhclient: DHCPDISCOVER on <interface> to <ip-address-mask> port <udp-port> interval <seconds>

Severity info/6

Explanation The DHCP client sent a broadcast DHCPDISCOVER packet via the specified interface to the specified subnet and destination UDP port. The interval is the (randomised) time between DHCP discover packets transmitted from the client.

Recommended Action No action required.

dhcpcoffer

Message dhclient: DHCPPOFFER from <ip-address>

Severity info/6

Explanation The DHCP client received a DHCPPOFFER packet from a server in response to its DHCPDISCOVER broadcast.

Recommended Action No action required.

dhcprequest

Message dhclient: DHCPREQUEST on <interface> to <ip-address-mask> port <udp-port>

Severity info/6

Explanation The DHCP client sent a broadcast DHCPREQUEST packet via the specified interface to the specified subnet and destination UDP port.

Recommended Action No action required.

no dhcpoffers received

Message dhclient: No DHCPOFFERS received.

Severity info/6

Explanation The DHCP client has not received any DHCPOFFERS in response to its DHCPDISCOVER packets.

Recommended Action Investigate why no DHCP offers were received. Check that the DHCP server is running and is reachable from the client subnet.

no working leases in persistent database

Message dhclient: No working leases in persistent database - sleeping.

Severity info/6

Explanation The DHCP client does not have any leases for any interfaces, and has not received any responses from the DHCP server to its discover packets, so it is waiting for while before retrying to discover a DHCP server.

Recommended Action Investigate why no responses were received from the DHCP server. Check that the DHCP server is running and is reachable from the client subnet. To see debugging messages for DHCP processes, enable log level 7 (debugging) for msgtext dhc (e.g. log console (filter) command).

DHCP relay (dhcrelay)

This chapter contains messages generated by the DHCP relay program. For more information about DHCP relay on the switch, see the following chapters chapter in the Software

Reference: Dynamic Host Configuration Protocol (DHCP) Introduction and Dynamic Host Configuration Protocol (DHCP) Commands. There are no debug commands for the DHCP Client, DHCP Relay, or DHCP Server. In order to see debugging messages for these programs, set the filter for the log to include messages to severity level 7 (debugging) and msgtext dhc.

- *"DHCP Relay Messages"* on page 259
- *"Internal Messages"* on page 260

DHCP Relay Messages

packet to bogus giaddr

Message dhcrelay: packet to bogus giaddr <ip-address>

Severity err/3

Explanation DHCP relay has received a packet for which it does not have a valid interface. It will drop the packet. This may be the result of a fault in the network design.

Recommended Action No action required. If this message is repeated, identify the device that is sending these packets, and resolve any network design issues.

Internal Messages

can't save subscriber-id

Message Can't save subscriber-id

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

setsockopt

Message setsockopt: IPV6_L2INFO: <errormessage>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

unable to find the subscriber_id

Message Unable to find the SUBSCRIBER_ID option definition.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

DHCP server (dhcpcd)

This chapter contains messages generated by the DHCP server program. For more information about the DHCP server on the switch, see the following chapters chapter in the Software

Reference: Dynamic Host Configuration Protocol (DHCP) Introduction and Dynamic Host Configuration Protocol (DHCP) Commands. There are no debug commands for the DHCP Client, DHCP Relay, or DHCP Server. In order to see debugging messages for these programs, set the filter for the log to include messages to severity level 7 (debugging) and msgtext dhc.

- ["DHCP Server Messages" on page 262](#)

DHCP Server Messages

address range not on net

Message dhcpcd: Address range <ip-address> to <ip-address> not on net <ip-address>/<ip-address-mask>!

Severity err/3

Explanation The configured DHCP range is not in the same subnet as the IP interface it is attached to.

Recommended Action Reconfigure the DHCP range to be in the same subnet as the IP interface it is attached to.

dhcpcack

Message dhcpcd: DHCPACK on <ip-address> to <mac-addr> via <interface>

Severity info/6

Explanation The DHCP server transmitted a DHCPACK packet in response to a DHCPREQUEST packet received from the client

Recommended Action No action required.

dhcpcdiscover

Message dhcpcd: DHCPDISCOVER from <mac-addr> via <interface>

Severity info/6

Explanation The DHCP sever received a DHCPDISCOVER packet from a client. Clients broadcast this message to discover DHCP servers on the network and request an address.

Recommended Action No action required.

dhcpcdiscover-no free leases

Message dhcpcd: DHCPDISCOVER from <mac-addr> via <interface>:
network <network-address>/<mask-length>: no free leases

Severity err/3

Explanation The DHCP server cannot respond to a client request with a DHCP address because there are no free addresses in the requested range.

Recommended Action Consider increasing the size of the configured DHCP range for this network.

dhcpcoffer

Message dhcpcd: DHCPOFFER <ip-address> to <mac-addr> via
<interface>

Severity info/6

Explanation The DHCP server sent a DHCPOFFER packet to a client.

Recommended Action No action required.

dhcprequest

Message dhcpcd: DHCPREQUEST for <ip-address> from <mac-addr> via <interface>

Severity info/6

Explanation The DHCP server received a DHCPREQUEST packet from a client.

Recommended Action No action required.

Message dhcpcd: DHCPREQUEST for <ip-address> (<ip-address>) from <mac-addr> via <interface>

Severity info/6

Explanation The DHCP server received a DHCPREQUEST packet from a client.

Recommended Action No action required.

open a socket for lpf

Message Open a socket for LPF: Too many open files

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

DHCP snooping (DHCP SN)

This chapter contains messages generated by the DHCP snooping program. For more information about the DHCP snooping on the switch, see the following chapters chapter in the Software Reference: DHCP Snooping Introduction and Configuration and DHCP Snooping Commands.

- *"ARP Security Messages"* on page 266
- *"Database Messages"* on page 268
- *"DHCP Snooping Messages"* on page 274
- *"DHCP Snooping Violation Messages"* on page 275
- *"Hardware Issue Messages"* on page 279
- *"Internal Messages"* on page 281

ARP Security Messages

arp received on wrong port

Message DHCP SN [<pid>]: ARP Sec: ARP received on wrong port, vid <vid>, Src <source-ip-addr>, Mac <mac-address>

Severity Notice/5

Explanation An ARP security violation occurred. The source IP address, the VLAN ID, and the MAC address of the ARP packet matched an entry in the DHCP snooping database, but the port did not match.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the ARP packet.

arp received on wrong vlan

Message ARP Sec: ARP received on wrong VLAN, vid <vid>, Src <source-ip-addr>, Mac <mac-address>

Severity Notice/5

Explanation An ARP security violation occurred. The source IP address and MAC address of the ARP packet matched an entry in the DHCP snooping database, but the VLAN ID did not match.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the ARP packet.

arp source ip not in snooping db

Message ARP Sec: ARP source IP not in snooping DB, vid <vid>, Src <source-ip-addr>, Mac <mac-address>

Severity Notice/5

Explanation An ARP security violation occurred: the source IP address of the ARP packet did not match an entry in the DHCP snooping database.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the ARP request.

disabling port as invalid MAC address

Message DHCP SN [<pid>]: Disabling <port> as invalid MAC address

Severity Notice/5

Explanation DHCP snooping disabled the specified port as a result of a DHCP snooping violation from an invalid MAC address.

Recommended Action Investigate the reason for the violation. When this is resolved, bring the port back up (\ "no shutdown\ " command).

invalid mac address

Message DHCP SN [<pid>]: ARP Sec: invalid MAC address, vid <vid>, Src <source-ip-addr>, Mac <mac-address>

Severity Notice/5

Explanation An ARP security violation occurred. The source IP address and the VLAN ID of the ARP packet matched an entry in the DHCP snooping database, but the MAC address did not match.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the ARP request.

Database Messages

backup file not written

Message DHCP Snooping binding backup file not written. No space left on device

Severity warning/4

Explanation There is insufficient memory available for the DHCP snooping backup database file to be stored in the configured location (NVS, Flash, or SD card).

Recommended Action Either delete unnecessary files from the device to make memory available for the backup file (`\show file systems\` command, `\dir\` command, `\delete\` command), or change the configuration to store the backup file to a different location with more space available (`\ip dhcp snooping database\` command).

binding db failed

Message DHCP SN [<pid>]: DHCP Snooping binding db to /mnt/tmp/card failed - no SD card

Severity warning/4

Explanation DHCP snooping attempted to save a DHCP snooping backup database file to an SD, but failed because no SD card was installed. The backup file stores dynamic lease entries that are used to repopulate the DHCP snooping database if it, or the whole switch, is restarted.

Recommended Action Either install an SD card, or change the DHCP snooping configuration to save the DHCP snooping backup database file to Flash memory or NVS (`\ip dhcp snooping database\` command).

dhcp snooping backup file not written

Message DHCP SN [<pid>]: DHCP Snooping backup file not written
/flash/.dhcp.dsn.gz did not open

Severity warning/4

Explanation The switch attempted to write the dynamic entries from the DHCP snooping database to the backup file in FLASH, but failed.
The backup file is used to restore the DHCP snooping database if DHCP snooping is restarted after a switch restart or after DHCP snooping is re-enabled. If this happens, any dynamic lease entries that are not restored from the backup file may result in lack of IP connectivity for these DHCP clients.

Recommended Action Check that there is enough space to save the database backup file at the configured location.

dhcp snooping binding db backup

Message DHCP SN [<pid>]: DHCP Snooping binding db backup to
/nvs/.dhcp.dsn.gz failed

Severity warning/4

Explanation The switch attempted to write the dynamic entries from the DHCP snooping database to the backup file in NVS, but failed.
The backup file is used to restore the dynamic lease entries in the DHCP snooping database if DHCP snooping is restarted after a switch restart or after DHCP snooping is re-enabled. If this happens, any dynamic lease entries that are not restored from the backup file may result in lack of IP connectivity for these DHCP clients.

Recommended Action Check that there is free space available in NVS ('show file systems' command).

Message DHCP Snooping binding db backup to /tmp/flash not required no change in db.

Severity Notice/5

Explanation The DHCP snooping backup database file did not need to be rewritten, because it had not changed since it was last saved.

Recommended Action No action required.

dhcp snooping binding db saved

Message DHCP SN[<pid>]: DHCP Snooping binding db saved to /flash/.dhcp.dsn.gz successfully.

Severity Notice/5

Explanation The DHCP snooping database backup file was successfully saved to the specified memory location.

Recommended Action No action required.

hlen too big

Message Invalid contents in line : hlen <number> too big

Severity warning/4

Explanation The DHCP snooping database backup file had an invalid lease entry. This may be because someone modified the file manually, or because other aspects of the switch configuration changed and were no longer consistent with this entry. The invalid entry was not read into the active DHCP snooping database.

Recommended Action No action required.

invalid contents in line

Message Invalid contents in line : Invalid vid <vid>

Severity warning/4

Explanation The DHCP snooping database backup file had an invalid lease entry. This may be because someone modified the file manually, or because other aspects of the switch configuration changed and were no longer consistent with this entry. The invalid entry was not read into the active DHCP snooping database.

Recommended Action No action required.

lease expired

Message Lease Expired client_ip <client-ip-addr>

Severity warning/4

Explanation The lease for the specified IP address in the DHCP snooping database has expired.

Recommended Action No action required.

restored binding db

Message Restored binding db from /flash/.dhcp.dsn.gz successfully

Severity warning/4

Explanation The DHCP snooping database was repopulated with dynamic entries from the backup file.

Recommended Action No action required.

tried to open dhcp snooping binding

Message Tried to open DHCP Snooping binding backup file and fail, No space left on device

Severity warning/4

Explanation There is insufficient memory available for the DHCP snooping backup database file to be stored in the configured location (NVS, Flash, or SD card).

Recommended Action Either delete unnecessary files from the device to make memory available for the backup file (`\show file systems\` command, `\dir\` command, `\delete\` command), or change the configuration to store the backup file to a different location with more space available (`\ip dhcp snooping database\` command).

tried to read dhcp snooping backup file but failed

Message DHCP SN [<pid>]: Tried to read DHCP Snooping backup file but failed: File does not exist ?

Severity warning/4

Explanation The switch tried to repopulate the DHCP snooping database from the backup file, but could not find the backup file. The backup file is a hidden file (.dhcp.dsn.gz). DHCP lease entries stored in the database may be lost. This may block connectivity for DHCP clients connected to untrusted ports until they gain new leases.

This may occur if:

- the backup file has been deleted
- the backup file was saved to an SD card, and the SD card was removed

The clients will automatically request a new lease when their current lease expires. If it has already expired, the client will already be requesting a new lease.

Recommended Action If possible, restore the backup file. Lease entries can be manually added to the DHCP snooping database (`\ip dhcp snooping binding` command and `\ip source binding` command).

unable to read binding db

Message DHCP SN [<pid>]: Unable to read binding db. All DHCP entries will need to be learnt

Severity warning/4

Explanation The switch was unable to read the backup file for the DHCP snooping database. This may affect IP connectivity until leases are relearned.

Recommended Action If possible, restore the backup file. Otherwise, allow DHCP snooping to relearn leases.
Lease entries can be manually added to the DHCP snooping database (`\ip dhcp snooping binding\` command and `\ip source binding\` command).

DHCP Snooping Messages

terminating on signal

Message DHCP SN [<pid>]: Terminating on signal

Severity info/6

Explanation The DHCP service was disabled by the "no service dhcp snooping" command. All DHCP snooping configuration was removed from the running configuration.

Recommended Action If this was intended, no action is required. Otherwise, re-enable and reconfigure the DHCP snooping service.

DHCP Snooping Violation Messages

bootp reply received on untrusted port

Message DHCP Pkt Discarded: BOOTP Reply received on untrusted port, ifindex <port-if-index>, vid <vid>, SMAC <source-mac-addr> opcode 1, ciaddr <client-ip-addr> yiaddr <your-ip-addr>, giaddr <gateway-ip-addr> siaddr <source-ip-addr> chaddr <client-hardware-address>

Severity Notice/5

Explanation A DHCP snooping violation occurred. The switch received a BOOTP Reply packet on an untrusted port, and discarded it. BOOTP Reply packets should only be received on trusted ports connected to a DHCP server.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the packet.

dhcp pkt discarded

Message DHCP Pkt Discarded: Option 82 would have been transmitted on untrusted port, ifindex <port-if-index>, vid <vid>, SMAC <source-mac-addr> opcode 1, ciaddr <client-ip-addr> yiaddr <your-ip-addr>, giaddr <gateway-ip-addr> siaddr <source-ip-addr> chaddr <client-hardware-address>

Severity Notice/5

Explanation A DHCP snooping violation occurred. The switch received a DHCP packet containing Option 82 information from an untrusted port, and discarded it. This means that a reply packet received by the switch

- * contained Option 82 information not added by this switch
- * and the port selected for egress is not a trusted port
- * and '\ip dhcp snooping agent-option allow-untrusted\' is not configured.

This behaviour is intended to prevent Option 82 information being sent out untrusted ports.

Recommended Action No action required.

If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the packet.

If the switch is intended to forward DHCP packets containing Option 82 information to untrusted ports, change the DHCP snooping configuration ('\ip dhcp snooping agent-option allow-untrusted\' command).

interface has been disabled

Message DHCP SN [<pid>]: Interface <port> has been disabled

Severity info/6

Explanation DHCP snooping has brought the link down because of a DHCP snooping or ARP security violation.

Recommended Action Investigate the DHCP snooping or ARP security violation. When it is resolved, bring the port back up again ('\no shutdown\' command).

invalid option 82 info

Message DHCP SN [<pid>]: DHCP Pkt Discarded: Invalid option 82 info received, ifindex 5002, vid 1, SMAC 0000.1111.2222 opcode 1, ciaddr 1.2.3.4 yiaddr 0.0.0.0, giaddr 1.2.2.1 siaddr 1.2.3.4 chaddr 0000.2222.3333

Severity Notice/5

Explanation A DHCP packet was discarded because the information in the Option 82 (agent option) field in the DHCP packet was invalid. This may have been because it contained Option 82 information but was received on an untrusted port.

Recommended Action If this is intended behaviour, no action is required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the packet.
To modify the way the device treats DHCP packets based on Option 82, use the `"ip dhcp snooping agent-option allowuntrusted"` command.

max bindings exceeded

Message DHCP SN [<pid>]: DHCP Pkt Discarded: Max bindings exceeded, ifindex <port-if-index>, vid <vid>, SMAC <source-mac-addr> opcode 1, ciaddr <client-ip-addr> yiaddr <your-ip-addr>, giaddr <gateway-ip-addr> siaddr <source-ip-addr> chaddr <client-hardware-address>

Severity Notice/5

Explanation A DHCP packet was discarded because the DHCP snooping database already contained the maximum number of lease entries for the port.
This may be because there are already lease entries in the database for all the legitimate DHCP clients connected to this port, or because the maximum bindings setting for the port is too low.

Recommended Action If this is intended, no action is required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the DHCP packet.
If it should have been recorded and forwarded, check the max leases setting for the port (`"show ip dhcp snooping interface"` command). If necessary, change this setting (`"ip dhcp snooping max-bindings"` command).

option 82 received on untrusted port

Message DHCP Pkt Discarded: Option 82 received on untrusted port, ifindex <port-if-index>, vid <vid>, SMAC <source-mac-addr> opcode 1, ciaddr <client-ip-addr> yiaddr <your-ip-addr>, giaddr <gateway-ip-addr> siaddr <source-ip-addr> chaddr <client-hardware-address>

Severity Notice/5

Explanation A DHCP snooping violation occurred. The switch received a DHCP packet containing Option 82 information on an untrusted port, and discarded it.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the packet.
If you want the switch to forward DHCP packets containing Option 82 information received on untrusted ports, change the DHCP snooping configuration ("ip dhcp snooping agent-option allow-untrusted" command).

recv_dhcpsn:recv: corrupted packet

Message DHCP SN [<pid>]: recv_dhcpsn: RECV: corrupted packet read (addr_len=<length>)

Severity warning/4

Explanation DHCP packet was smaller than the minimum acceptable size of 22 bytes.

Recommended Action No action required.
If this message is repeated, or you have reason to be suspicious, consider identifying the device that sent the corrupted packet.

Hardware Issue Messages

hardware error during dhcpsnooping lease add

Message DHCP SN [<pid>]: Unexpected hardware error 2 during DHCP Snooping lease add for <ip-address> on <port>, DHCP Snooping filters no updated.

Severity Notice/5

Explanation DHCP snooping filters were not updated as intended. There may have been insufficient space available in the switch's hardware tables to add a filter for a DHCP snooping lease entry. This may be the result of attempting to add a DHCP snooping-based Access Control List (ACL) to one or more ports, or of an additional lease entry being added to the DHCP snooping database. DHCP snooping-based filtering may not operate the way it is intended to.

Recommended Action Review the ACL configuration on the switch, and consider whether the ACLs can be reconfigured to use fewer entries in the switch hardware ("show interface access-group" command, "show access-list" command).

space in the hw packet classifier

Message DHCP SN [<pid>]: Insufficient space in the HW packet classifier table

Severity err/3

Explanation There was insufficient space available in the switch's hardware table to add a filter for a DHCP snooping lease entry. This may be the result of attempting to add a DHCP snooping-based Access Control List (ACL) to one or more ports, or of an additional lease entry being added to the DHCP snooping database. DHCP snooping-based filtering may not operate the way it is intended to.

Recommended Action Review the ACL configuration on the switch, and consider whether the ACLs can be reconfigured to use fewer entries in the switch hardware (`show interface access-group` command, `show access-list` command).

Internal Messages

binding delete

Message DHCP SN [<pid>]: Binding Delete: (with <seconds> seconds remaining)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message DHCP SN [<pid>]: Binding Delete: (entry timed out)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

could not disable interface

Message DHCP SN [<pid>]: Could not disable interface <port>. Error value 3

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required

dhcpcsn received failed

Message DHCP SN [<pid>]: rcv_dhcpcsn: dhcpcsn received failed
<string>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

dhcpcsn received failed (length ...)

Message DHCP SN [<pid>]: rcv_dhcpcsn: dhcpcsn received failed
(Length<length>)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

dhcpcsn_db_file_read

Message dhcpcsn_db_file_read Invalid Line : <invalid-line>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

error opening socket

Message DHCP SN [<pid>]: open_dhcp sn: Error opening socket

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

invalid contents in line

Message DHCP SN [<vid>]: Invalid contents in line : ifindex
<port-if-index> no found

Severity warning/4

Explanation The DHCP snooping database backup file had an invalid lease entry. This may be because someone modified the file manually, or because other aspects of the switch configuration changed and were no longer consistent with this entry. The invalid entry was not read into the active DHCP snooping database.

Recommended Action No action required.

nsm_dhcp sn.c

Message DHCP SN [<pid>]: dhcp sn nsm_dhcp sn.c,
nsm_dhcp sn_process_if_linkdown (73)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

sighup received

Message DHCP SN [<pid>]: SIGHUP received

Severity info/6

Explanation The DHCP service was enabled by the \"service dhcp snooping\" command.

Recommended Action No action required.

socket is not open

Message dhcp sn socket is not open rcv_dhcp sn

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message rcv_dhcp sn: dhcp sn socket is not open

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message send_dhcpsn: dhcpsn socket is not open

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

EPSR

This chapter contains messages generated by the EPSR (Ethernet Protection Switching Ring) program.

- *"Internal Messages"* on page 287
- *"Topology Messages"* on page 290

Internal Messages

agentx

Message EPSR <pid>: (Warning) AgentX: can\'t support SNMP services (none MIB)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: ping retries exceeds limit

Message EPSR <pid>: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais response/healthcheck failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message EPSR <pid>: Component<component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message EPSR <pid>: Component<component-name> requested to enter hastate SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message EPSR <name>: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Topology Messages

forwarding

Message EPSR <name>: port <port-index> is forwarding

Severity info/6

Explanation A port has gone into the forwarding state. This could be because:

- it is the secondary port on the master node, and the master has just detected that the ring is down; or because
- it is a port on a transit node that has recently come up, and has just been given permission to go into the forwarding state.

The port may be either a physical switch port indicated by its port index number, or a link aggregator.

Recommended Action If this port transition event is unexpected, investigate why it has occurred. To see the index of each physical port, use the command `"show interface"`.

link down msg

Message EPSR <name>: link down msg from <mac-addr>

Severity info/6

Explanation This message is generated on the master when it receives notification from a transit node that one of its interfaces has gone down.

Recommended Action Investigate why an interface has gone down on the transit node.

port is blocking

Message EPSR <name>: port <port> is blocking

Severity info/6

Explanation A port has gone into the blocking state. This could be either because this port is the secondary port on the master, and the ring has completed; or because it is a port on a transit node that has just come up, and is waiting for permission to go into the forwarding state.

The port may be either a physical switch port indicated by its port index number, or a link aggregator. To see the index of each physical port, use the command `"show interface"`.

Recommended Action No action is required, unless you think that port should not be in that state.

port is down

Message EPSR <name>: port <port-index> is down

Severity info/6

Explanation A transit node generates this message when it detects that one of its ring ports has gone down.

The port may be either a physical switch port indicated by its port index number, or a link aggregator. To see the index of each physical port, use the command `"show interface"`.

Recommended Action Investigate why the port has gone down.

ring complete

Message EPSR <name>: ring complete

Severity info/6

Explanation The EPSR master has detected that all the links in the ring are up, and has blocked the secondary port

Recommended Action No action required, unless you think that the ring is not actually complete.

ring failed

Message EPSR <name>: ring failed

Severity warning/4

Explanation The master node generates this log message when it detects that a link in the ring has gone down.

Recommended Action Investigate why the link has gone down.

firewalld

- *"Internal Messages"* on page 294

Internal Messages

command ... failed

Message [FW]: Command <command> failed
or
[NAT]: Command <command> failed

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

fw: failed to

Message FW: Failed to <operation>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Hardware Health Monitor (HHM)

This chapter contains messages generated by the Hardware Health Monitoring (HHM) program.

- *"Hardware Health Monitoring (HHM) Messages"* on page 296
- *"Internal Messages"* on page 297

Hardware Health Monitoring (HHM) Messages

stack hardware fault detected

Message EXFX[<pid>]: Stack hardware fault detected, transitioning to standalone system.

Severity crit/2

Explanation A hardware fault has been detected on a device that is not a XEM with network ports or baseboard, and a stacking configuration exists. The message highlights the resulting action taken when shutdown ('system hw-monitoring shutdown') is enabled.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Internal Messages

couldn't start hardware monitoring

Message Couldn't start hardware monitoring data

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

HPI

This chapter contains messages generated by the Hardware Platform Interface program, relating to the hardware platform interface and environmental monitoring of the switch and expansion module hardware.

- *"Hot-swap Messages"* on page 299
- *"Internal Messages"* on page 301
- *"Sensor Messages"* on page 302

Hot-swap Messages

pluggable hotswapped in

Message HPI: HOTSWAP Pluggable <sfp/xfp-port> hotswapped in:
<sfp/xfp-type>

Severity crit/2

Explanation A pluggable SFP or XFP of the specified type has been hotswapped into this port. This message may also be generated when the switch boots up with an SFP or XFP in the port.

Recommended Action No action required.

pluggable hotswapped out

Message HPI: HOTSWAP Pluggable <sfp/xfp-port> hotswapped out:
<sfp/xfp-type>

Severity crit/2

Explanation A pluggable SFP or XFP of the specified type has been hotswapped out of this port.

Recommended Action If this was intended, no action is required.

xem hotswapped in

Message HPI: HOTSWAP XEM <bay-number> hotswapped in: <xem-type>

Severity crit/2

Explanation A XEM of the specified type has been hot-swapped into this XEM bay.

Recommended Action No action required.

xem hotswapped out

Message HPI: HOTSWAP XEM <bay-number> hotswapped out:
<xem-type>

Severity crit/2

Explanation A XEM of the specified type has been hot-swapped out of this XEM bay.

Recommended Action No action required.

Internal Messages

hpi logging daemon

Message HPI: HPI Logging Daemon dying!

Severity crit/2

Explanation A problem may have occurred in a software component, resulting in the termination of the HPI logging process.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

Sensor Messages

fan reading below minimum

Message HPI: SENSOR System Board 0 - Fan: Fan <fan-id>: Reading <actual-fan-speed> Rpm below minimum <threshold-fan-speed> Rpm

Severity crit/2

Explanation The speed of the specified switch fan is below the specified minimum threshold (in RPM) for the current temperature. This may indicate a faulty fan. If the speed stays below the minimum threshold for long, the device may overheat, traffic may be interrupted, and the device may be damaged.

Recommended Action If the fan speed does not rise above the minimum threshold soon, power the device down, and contact your authorised Allied Telesis distributor or reseller. To display information about fan thresholds and status, use the `"show system environment"` command.

Message HPI: SENSOR XEM 1 - Fan: XEM Fan <fan-id>: Reading <actual-speed-reading> Rpm below minimum <min-speed-threshold> Rpm

Severity crit/2

Explanation The speed of the specified XEM fan is below the specified minimum threshold (in RPM) for the current temperature. This may indicate a faulty fan. If the speed stays below the minimum threshold for long, the device may overheat, traffic may be interrupted, and the device may be damaged.

Recommended Action If the fan speed does not rise above the minimum threshold soon, power the device down, and contact your authorised Allied Telesis distributor or reseller. To display information about fan thresholds and status, use the \"show system environment\" command.

fan reading now ok

Message HPI: SENSOR System Board 0 - Fan: Fan <fan-number>: Reading <actual-fan-speed> Rpm now OK. Threshold <threshold-fan-speed> Rpm

Severity crit/2

Explanation A fan that was rotating below the minimum threshold speed is now above the threshold again.

Recommended Action No action required.

Message HPI: SENSOR XEM <xem-number> - Fan: XEM Fan <fan-id>:
Reading <actual-speed-reading> Rpm now OK. Threshold
<min-speed-threshold> Rpm

Severity crit/2

Explanation A fan that was rotating below the minimum threshold speed is now above the threshold again.

Recommended Action No action required.

hpi logging daemon

Message HPI: Error starting HPI event log daemon.

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

psu power output bad

Message HPI: SENSOR PSU slot <slot-number> - PSU Power Output:
BAD

Severity crit/2

Explanation The power level coming from the Power Supply Unit (PSU) installed in this slot was low. This may be because:

- it was a \"dying gasp\" - the PSU has been unplugged from the power supply
- the power input to the PSU was interrupted
- the PSU is faulty

Recommended Action If this message was generated when the power cord was deliberately unplugged from the PSU, no action is required.
If it was generated when you expected the power input to the switch to be normal, check the power input to the device. If this is OK, the PSU may be faulty. Contact your authorised Allied Telesis distributor or reseller.

rps power output bad

Message HPI: SENSOR PSU slot <slot-number> - RPS Power Output:
BAD

Severity crit/2

Explanation The Redundant Power Supply (RPS) installed in this PSU slot is not supplying power. This may be because:

- the power input to the PSU was interrupted
- the PSU is faulty

Recommended Action If this message is generated when the power cord is deliberately unplugged from the RPS, no action is required.
If it is generated when you expected the power input to the switch to be normal, check the power input to the device. If this is OK, the RPS may be faulty. Contact your authorised Allied Telesis distributor or reseller.

rps power output now ok

Message HPI: SENSOR PSU slot <slot-number> - RPS Power Output:
now OK

Severity crit/2

Explanation Either the Redundant Power Supply (RPS) installed in this slot is now supplying power again, or the RPS has been removed from the slot and the absence of power no longer indicates a fault.

Recommended Action No action required.

rps present bad

Message HPI: SENSOR PSU slot <slot-number> - RPS Present: BAD

Severity crit/2

Explanation The Redundant Power Supply (RPS) has been removed from this slot.

Recommended Action If the RPS has been deliberately removed, no action is required.

rps present now ok

Message HPI: SENSOR PSU slot <slot-number> - RPS Present: Now
OK

Severity crit/2

Explanation A Redundant Power Supply (RPS) has been installed in this slot.

Recommended Action No action required.

temp reading above maximum

Message HPI: SENSOR System Board 0 - Temp: <location>: Reading <actual-temperature-reading> Degrees C above maximum <max-threshold-temperature> Degrees C

Severity crit/2

Explanation The temperature reading at the specified sensor location in the switch is above the maximum threshold (in degrees Celcius).

Recommended Action Ensure that there is adequate ventilation around the switch, and that the temperature in the environment is within the operating range for the switch. Check the status of the fans by using the \"show system environment\" command. If the temperature does not return to the acceptable range soon, contact your authorised Allied Telesis distributor or reseller.

voltage reading below minimum

Message HPI: SENSOR System Board 0 - Voltage: <nominal-voltage> V: Reading <actual-voltage-reading> Volts below minimum <min-voltage-threshold> Volts

Severity crit/2

Explanation The voltage reading at the specified switch sensor is below the minimum threshold.

Recommended Action Check the power supply. To check the status of the voltage and power supply sensors, use the \"show system environment\" command. If the voltage does not return to the acceptable range soon, contact your authorised Allied Telesis distributor or reseller.

HSL

This chapter contains messages generated by the Hardware Services Layer (HSL) program. Most of these messages are internal.

- *"ARP Messages"* on page 309
- *"Hardware Support Messages"* on page 311
- *"Internal Messages"* on page 314
- *"Topology Messages"* on page 336

ARP Messages

arp log add

Message HSL [<pid>]: ARP-LOG <port> <vlan> add <mac-address>
(<ip-address>)

Severity Notice/5

Explanation An ARP (Address Resolution Protocol) entry was added to the ARP cache.

These messages are only generated if ARP logging is enabled (\"arp log\" command; disabled by default).

Recommended Action No action required.

arp log del

Message HSL [<pid>]: ARP-LOG <port> <vlan> del <mac-address>
(<ip-address>)

Severity Notice/5

Explanation An ARP (Address Resolution Protocol) entry was deleted from the ARP cache.

These messages are only generated if ARP logging is enabled (\"arp log\" command; disabled by default).

Recommended Action No action required.

arp/ipv6 neighbour churn

Message HSL: WARNING: Excessive ARP/IPv6 neighbour churn - <number> netlink messages now queued

Severity warning/4

Explanation A very large number of ARP or IPv6 neighbor updates were being processed. This may be because the '\clear arp-cache\' command was entered or an ERSR ring failed over, or it may be because the CPU was under heavy load or a network storm was occurring.

Recommended Action This event may indicate a network storm, or may indicate that there is a device on the network that is flooding a high rate of ARPs or IPv6 neighbour updates. However, it may simply be a natural consequence of a topology change in a network that contains a large number of IPv4 and/or IPv6 hosts. If it seems to just be because of a topology change, then no action is needed. Otherwise, investigate if a storm is occurring or if a host is generating an excessive amount of ARP or neighbour discovery traffic.

not enabling local proxy arp

Message HSL[pid]:Local proxy arp only is incompatible with VRRP. Not enabling local proxy arp!

Severity warning/4

Explanation VRRP is configured on a VLAN on which local proxy ARP is also enabled.

Recommended Action No action required. The local proxy ARP feature will be disabled on the VLAN in question.

Hardware Support Messages

energy efficient ethernet

Message Energy efficient ethernet is not supported by <port>

Severity crit/2

Explanation An '\ecofriendly\' command was entered for a port that does not support EEE low power idle.

Recommended Action Only issue an '\ecofriendly\' command for ports that support EEE low power idle.

please remove

Message HSL[<pid>]: ERROR: Port <unit>.<bay>.<port> - 100Mb SFP not supported. Please remove.

Severity crit/2

Explanation A 100Mb SFP module was inserted in the specified port. This port does not support 100Mb SFP modules.

Recommended Action Remove the unsupported SFP module from the specified port and insert a supported SFP module.

Message HSL[<pid>]: ERROR: Port <unit>.<bay>.<port> - copper SFP not supported. Please remove.

Severity crit/2

Explanation A copper SFP module has been inserted in the specified port and this port does not support copper SFPs.

Recommended Action Remove the copper SFP from the specified port and insert a supported SFP.

Message HSL[<pid>]: ERROR: Port <unit>.<bay>.<port> - AT-StackXS and AT-StackOP not supported in this port. Please remove.

Severity crit/2

Explanation An unsupported module has been inserted in the specified port. This port is not a stacking port and does not support AT-StackXS or AT-StackOP.

Recommended Action Remove the unsupported module, and insert a supported SFP+ module.

Message HSL[<pid>]: ERROR: Port <unit>.<bay>.<port> - Only AT-StackXS and AT-StackOP supported in this port. Please remove.

Severity crit/2

Explanation An unsupported module has been inserted in the SFP+ stacking port. The only modules this port supports are AT-StackXS and AT-StackOP.

Recommended Action Remove the unsupported module from the specified port and install a supported module, either AT-StackXS and AT-StackOP.

starting findme on ... selected ports

Message Starting FindMe on the <number of specified ports> selected ports.

Severity info/6

Explanation FindMe is currently running on the selected ports.

Recommended Action No action required.

starting findme on all ports

Message Starting FindMe on all ports.

Severity info/6

Explanation FindMe is currently running on all ports.

Recommended Action No action required.

stopping findme

Message Stopping FindMe on all ports.

Severity info/6

Explanation FindMe has been stopped on all ports.

Recommended Action No action required.

Internal Messages

activating prefixes

Message HSL [<pid>]: Activating prefixes dependent on route over <vlan> nh->mac: <mac-addr>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

adding nexthop

Message HSL [<pid>]: Adding nexthop <hex-number> (<mac-address>) on interface <vlan> flags 00000001

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais component register result

Message HSL [<pid>]: AIS component(<component>) register result is 2 (should be 1)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck/response failed

Message HSL [<pid>]: AIS (amf_default_csi_set_cb:538)
saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: AIS healthcheck: saAmfResponse failed with
<number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais pm start failed

Message HSL [<pid>]: AIS pm start failed with <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

bad file descriptor

Message HSL [<pid>]: select() error:-1:9:Bad file descriptor aborting ...

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

can't add

Message HSL [<pid>]: HSL: ERROR: Can\'t add FDB entry : Port port<port> mac (<mac-addr>) VID <vid>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: HSL: ERROR: Can\'t add mac address to VLAN <vid> on unit <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: HSL: ERROR: Can\'t add VLAN <vid> to port <port>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

can\'t create tid

Message HSL [<pid>]: HSL: ERROR: Can\'t create tid:<number> to unit <number>, error <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

can't enable mld snooping

Message HSL [<pid>]: HSL: ERROR: Can\'t enable MLD Snooping

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

can't find nexthop entry

Message HSL [<pid>]: HSL: ERROR: Cant find nexthop entry for a prefix <ip-address>/32

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

can't set default pvid

Message HSL [<pid>]: HSL: ERROR: Can\'t set default PVID <number> for+F700 port<port>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

can't set stp port state

Message HSL [<pid>]: HSL: ERROR: Can\'t set STP port state 1 for port <port> retval <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

client connection to instance ... failed

Message Client connection to instance <instance-number> failed, retrying.

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message HSL [<pid>]: Component <component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message HSL [<pid>]: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

could not create I3 interface

Message HSL [<pid>]: HSL: ERROR: Could not create L3 interface in hardware for interface <vlan> <number> ret(<number>)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

deleting prefix

Message HSL [<pid>]: Deleting prefix from hardware

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

destination

Message HSL [<pid>]: Destination: <numbers>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

error adding ip multicast entry

Message HSL [<pid>]: HSL: ERROR: Error Adding ip multicast entry -8 Entry exists

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: HSL: ERROR: Error Adding ip multicast entry <number> Operation timed out

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

error adding ipv6 route

Message HSL [<pid>]: HSL: ERROR: Error adding ipv6 route <ipv6-route> to kernel

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

error deleting nexthop

Message HSL [<pid>]: HSL: ERROR: Error deleting nexthop <ipv6-route> to hardware

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

error: ... operCnt decrement ... exceeds current

Message HSL: ERROR: <vlan> operCnt decrement (<number>) exceeds current value (<number>)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

failed to add interface

Message HSL [<pid>]: HSL: ERROR: Group (<ip-address>) Source (<ip-address>): Failed to add interface (<if-index>)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

failed to add nexthop

Message HSL [<pid>]: HSL: ERROR: Failed to add nexthop. OS returned <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

failed to attach port to trunk

Message HSL [<pid>]: HSL: ERROR: Failed to attach port <port> to trunk <port>, error <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

failed to update port membership for aggregator

Message HSL [<pid>]: HSL: ERROR: Failed to update port membership for aggregator <port> in hw, bcm error <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

fatal error

Message HSL [<pid>]: HSL: FATAL ERROR: Interface port<port>

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

found a node

Message HSL [<pid>]: Found a node

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

found rnh

Message HSL [<pid>]: Found rnh for c0a8040a

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

hardware delete

Message HSL [<pid>]: Calling hardware delete for nh

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

host entry could not be added

Message HSL [<pid>]: HSL: ERROR: Host entry for interface address could not be added vlan<vid> (<number>)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

hw prefix add exception

Message HSL [<pid>]: Calling hw_prefix_add_exception

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ifindex

Message HSL [<pid>]: ifindex <if-index>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

interface not deleted

Message HSL [<pid>]: HSL: ERROR:
hsl_ifmgr_L2_ethernet_delete:<number> interface
<interface> not deleted reference counter -<number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

interface not found in database

Message HSL [<pid>]: HSL: ERROR: Interface (<interface-index>) not found in database

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message HSL [<pid>]: HSL: ERROR: L2 Interface <interface> not found in database

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

interface not set

Message HSL [<pid>]: HSL: ERROR: Interface not set

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

open of exfx event socket for instance ... failed

Message Open of EXFX event socket for instance <instance-number> failed, retrying.

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

operation not supported

Message HSL [<pid>]: hsl_mux_os_l3_if_configure: ret = 0 1
Operation not supported

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

outgoing l3 interface for nh not found

Message HSL [<pid>]: HSL: ERROR: Outgoing L3 interface(0) for NH not found

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

recvmmsg overrun

Message hslnetlink-listen recvmmsg overrun: <reason>

Severity err/3

Explanation An internal software issue has occurred, probably as a result of a broadcast storm.
This may eventually cause:

- a mismatch between IP/MAC addresses stored in software and hardware ARP tables
- a loss of connectivity if the host changes switchport (or MAC address)
- an increase in CPU usage
- reduced throughput performance.

Recommended Action Investigate the network to determine whether a storm is occurring. Once the storm is resolved, use the `\clear arp-cache\` command to ensure the ARP table is relearnt consistently.

route could not be added

Message HSL [<pid>]: HSL: ERROR: Route could not be added : No route to host

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

route could not be deleted

Message HSL [<pid>]: HSL: ERROR: Route could not be deleted : No such process

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

saamfhealthcheck start failed

Message HSL [<pid>]: saAmfHealthcheckSart failed with 28

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

sync of vlan information failed

Message HSL [<pid>]: HSL: ERROR: Sync of VLAN information failed to unit <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

unknown hotsync event

Message HSL [<pid>]: HSL: ERROR: Unknown hotsync event id <number> reported on bay <bay-id>.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

_hsl_fib_

Message HSL [<pid>]: _hsl_fib_activate_prefixes:

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: _hsl_fib_activate_related_nexthops

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: _hsl_fib_nh_add: activating dependents

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: _hsl_fib_nh_add: prefix <prefix>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: _hsl_fib_nh_delete2: nh is valid

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: Calling _hsl_fib_nh_add from
hsl_fib_handle_arp

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: Calling _hsl_fib_nh_add from
hsl_fib_nh_add

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_add_to_hw: Calling to add prefix

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_add_to_hw: EXIT

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_add_to_hw: valid flags

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_deactivate_prefixes

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_delete_from_hw return 0

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_nh_delete

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message HSL [<pid>]: hsl_fib_nh_delete_6to4: <ip-address>/32
ifindex 0

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Topology Messages

loop protection has skipped re-enabling

Message Thrash: Loop Protection has skipped re-enabling port on ifindex <interface_index> because EPSR is blocking

Severity warning/4

Explanation The MAC thrashing protection feature no longer needed to block the port, but it stayed blocked by EPSR, which had higher priority.

Recommended Action If this is intended behaviour then no action is required.
To check which protocol is set as the highest priority for blocking, use the '\show port-vlan-forwarding-priority\' command.
To change the priority setting, use the '\port-vlan-forwarding-priority\' command.

Message Thrash: Loop Protection has skipped re-enabling port on ifindex <interface_index> because LoopProtection is blocking

Severity warning/4

Explanation MAC thrashing protection no longer needed to block the port, but it remained blocked by Loop Protection, which had higher priority.

Recommended Action If this is intended behaviour then no action is required.
To check which protocol is set as the highest priority for blocking, use the '\show port-vlan-forwarding-priority\' command.
To change the priority setting, use the '\port-vlan-forwarding-priority\' command.

HTTP

- *"System Configuration Messages"* on page 338

System Configuration Messages

no service http

Message [`<username>@<terminal>`]no service http

Severity Notice/5

Explanation The HTTP service has been disabled successfully.

Recommended Action No action required.

service http

Message [`<username>@<terminal>`]service http

Severity Notice/5

Explanation The command to enable the HTTP (Hypertext Transfer Protocol) service was executed successfully.

Recommended Action No action required.

- *"Licensing Messages"* on page 340
- *"Logging Messages"* on page 342
- *"Public Key Infrastructure (PKI) Messages"* on page 350
- *"RADIUS Messages"* on page 353
- *"RADIUS Secure Proxy Messages"* on page 354
- *"Secure Mode Messages"* on page 357
- *"User Access Messages"* on page 358
- *"VCStack Messages"* on page 359

Licensing Messages

command [default log email <email>] failed

Message Command [default log email <email>] failed

Severity err/3

Explanation The email address doesn't exist, or the time offset failed to set.

Recommended Action Make sure the email address exists and the time offset is set correctly.

license ... activated

Message SFL: License "<licence-name>" activated. All features associated with this license have been started

Severity crit/2

Explanation The installed license has reached its activation date, so the licensed features will now be able to operate.

Recommended Action No action required.

license ... expired

Message IMI[<pid>]: SFL: License <licence-name> expired. All features associated with this license have been deactivated

Severity crit/2

Explanation The installed subscription license has reached its expiration date. The licensed features will no longer operate.

Recommended Action Contact your authorised Allied Telesis distributor or reseller for further licensing.

Logging Messages

boot images are desired to be set in flash under s

Message Boot images are desired to be set in flash under secure mode

Severity warning/4

Explanation The 'boot system' command will check if the boot image is booted from flash under the secure mode, and will fail if it is not.

Recommended Action Always boot the system images from flash if the secure mode is configured.

command [default log host <a.b.c.d>] failed

Message Command [default log host <a.b.c.d>] failed

Severity err/3

Explanation The log host does not exist, or the time offset failed.

Recommended Action Make sure the log host exists and the time offset is set correctly.

command [default log permanent] failed

Message Command [default log permanent] failed

Severity err/3

Explanation The command to restore the default settings for the permanent log failed to execute.

Recommended Action Check if permanent logging is allowed on this device.

command [enable password/secret] failed

Message Command [enable password/secret] failed.

Severity err/3

Explanation The enable password or enable secret command has been used but has failed. This will always fail in crypto secure mode as enable command is not supported in secure mode.

Recommended Action No action required.

command [log buffered exclude level notices progra

Message Command [log buffered exclude level notices program ospf] failed

Severity err/3

Explanation The specified filter was not created.

Recommended Action Make sure the command is created successfully.

command [log buffered size <size>] failed

Message command [log buffered size <size>] failed

Severity err/3

Explanation Failed to set new size for the buffered log.

Recommended Action Make sure the command is configured successfully.

command [log buffered] failed

Message Command [log buffered] failed

Severity err/3

Explanation Failed to enable the buffered log.

Recommended Action Make sure the 'log buffered' command is successfully enabled.

command [log console] failed

Message Command [log console] failed

Severity err/3

Explanation Failed to enable the console log.

Recommended Action Make sure the command is successfully enabled.

command [log email <email> <time>] failed

Message Command [log email <email> <time>] failed

Severity err/3

Explanation The email address or the time offset are incorrect.

Recommended Action Make sure the command is set successfully.

command [log email <email>] failed

Message Command [log email <email>] failed

Severity err/3

Explanation The command failed to log the email address.

Recommended Action Make sure the command is successfully configured.

command [log event-host <a.b.c.d> atmf-topology-ev

Message Command [log event-host <a.b.c.d> atmf-topology-event] failed

Severity err/3

Explanation The log event-host type atmf-topology-event is invalid.

Recommended Action Make sure the log event-host type is valid.

command [log host <a.b.c.d>] failed

Message Command [log host <a.b.c.d>] failed

Severity err/3

Explanation Failed to configure logging to host <a.b.c.d>

Recommended Action Make sure the command is successfully configured.

Message Command [log host <a.b.c.d>] failed

Severity err/3

Explanation Failed to log for the specified host.

Recommended Action Make sure the command is set successfully.

command [log host source <a.b.c.d>] failed

Message Command [log host source <a.b.c.d>] failed

Severity err/3

Explanation Invalid source interface or IP address specified.

Recommended Action Make sure the command is configured successfully.

command [log host startup-delay] failed

Message Command [log host startup-delay] failed

Severity err/3

Explanation An error occurred while setting the delay parameters.

Recommended Action Make sure the command is set successfully.

command [log monitor] failed

Message Command [log monitor] failed

Severity err/3

Explanation The specified filter already exists, or was unable to add the log filter.

Recommended Action Make sure the command is configured correctly.

command [log permanent exclude] failed

Message Command [log permanent exclude] failed

Severity err/3

Explanation Failed to create a filter to prevent messages from being sent to the permanent log.

Recommended Action Make sure the command is created successfully.

command [log permanent size] failed

Message Command [log permanent size] failed

Severity err/3

Explanation Failed to set new size for the permanent log.

Recommended Action Make sure the command is set successfully.

command [log permanent] failed

Message Command [log permanent] failed

Severity err/3

Explanation Failed to enable the permanent log.

Recommended Action Make sure the command is successfully enabled.

command [service <service>] failed

Message Command [service xxx] failed

Severity err/3

Explanation When a command fails to execute, it is logged as an error message.

Recommended Action Fix the issue and then enable the service.

command [show log permanent 1.1] failed

Message Command [show log permanent 1.1] failed

Severity err/3

Explanation There is no permanent logging on the LIF card.

Recommended Action No action required.

command [show log permanent]: not available

Message Command [show log permanent]: not available

Severity err/3

Explanation Permanent logging is not available on this device.

Recommended Action No action required.

configuration files are desired to be set in flash

Message Configuration files are desired to be set in flash
under secure mode

Severity warning/4

Explanation The 'boot config-file' will enforce the config-file to be set in flash under the secure mode.

Recommended Action The 'boot config-file' should boot a config-file in flash if the secure mode is configured.

the current boot image is unverified

Message The current boot image is unverified, please use
'crypto verify' to check its integrity

Severity warning/4

Explanation When the secure mode is enabled, any release loaded from flash should pass the integrity check. A warning message is generated if the integrity check is failed. It also applies to the 'boot system' command.

Recommended Action Pass the integrity check by configuring the 'crypto verify' command to verify the release file.

Public Key Infrastructure (PKI) Messages

error ... creating pki trustpoint

Message Error <code> creating PKI trustpoint <name>

Severity Notice/5

Explanation An internal program error occurred while attempting to create a PKI trustpoint. This may indicate a problem with the file system on the device.

Recommended Action Contact technical support.

failed to create symlink

Message PKI error: failed to create symlink <path>

Severity err/3

Explanation An attempt to create a symbolic link in the file system failed. This may adversely affect the operation of an application using the Public Key Infrastructure.

Recommended Action Contact technical support.

pki stack file sync failed

Message PKI stack file sync failed

Severity err/3

Explanation The configuration for the Public Key Infrastructure was not synchronized to VCS stack slave devices.

Recommended Action Verify the configuration of the VCS stack and re-attempt the operation. If the condition persists, contact technical support.

pki trustpoint ... already exists

Message PKI trustpoint <name> already exists

Severity debug/7

Explanation An attempt was made to create a trustpoint with the given name, but the trustpoint was already in existence.

Recommended Action No action required.

pki trustpoint ... created

Message PKI trustpoint <name> created [with server enrollment]

Severity info/6

Explanation A trustpoint with the given name was created, either in response to an explicit command ("crypto pki trustpoint"), or implicitly by another application. If the string "with server enrollment" is shown, then the local device was also automatically enrolled to the trustpoint.

Recommended Action No action required.

too many pki client applications

Message Too many PKI client applications

Severity err/3

Explanation There are too many applications attempting to use the Public Key Infrastructure (PKI) on the system.

Recommended Action Contact technical support.

RADIUS Messages

updating radius server due to trustpoint change

Message Updating RADIUS server due to trustpoint change

Severity info/6

Explanation The RADIUS server program has been updated and restarted due to a change to the PKI trustpoint associated with the application. This may affect the status of RADIUS modules that use cryptographic certificates (e.g. EAP-TLS).

Recommended Action Verify the status of the RADIUS server application using the command "show radius".

RADIUS Secure Proxy Messages

radius aaa secure proxy halted

Message RADIUS AAA secure proxy halted (reason <reason>)

Severity debug/7

Explanation The RADIUS secure proxy AAA application has been stopped due to a dependent condition not being satisfied. The condition is indicated by <reason>.

Recommended Action If the RADIUS secure proxy AAA application was not intentionally halted, correct the dependent condition and re-verify the state of the application.

radius aaa secure proxy not ready to run

Message RADIUS AAA secure proxy not ready to run (reason <reason>)

Severity debug/7

Explanation The RADIUS secure proxy AAA application is not able to run due to a dependent condition not being satisfied. The condition is indicated by <reason>.

Recommended Action If the RADIUS secure proxy AAA application is being configured for operation, correct the dependent condition and re-verify the state of the application.

radius aaa secure proxy running

Message RADIUS AAA secure proxy running

Severity debug/7

Explanation The RADIUS secure proxy AAA application has started successfully.

Recommended Action No action required.

radius local server proxy halted

Message RADIUS local server proxy halted (reason <reason>)

Severity debug/7

Explanation The RADIUS secure proxy local-server application has been stopped due to a dependent condition not being satisfied. The condition is indicated by <reason>.

Recommended Action If the RADIUS secure proxy local-server application was not intentionally halted, correct the dependent condition and re-verify the state of the application.

radius local server proxy not ready to run

Message RADIUS local server proxy not ready to run (reason <reason>)

Severity debug/7

Explanation The RADIUS secure proxy local-server application is not able to run due to a dependent condition not being satisfied. The condition is indicated by <reason>.

Recommended Action If the RADIUS secure proxy local-server application is being configured for operation, correct the dependent condition and re-verify the state of the application.

radius local server proxy running

Message RADIUS local server proxy running

Severity debug/7

Explanation The RADIUS secure proxy local-server application has started successfully.

Recommended Action No action required.

updating radius server due to trustpoint change

Message Updating radius-secure-proxy local-server due to trustpoint change

Severity info/6

Explanation The RADIUS secure proxy local-server program has been updated and restarted due to a change to the PKI trustpoint associated with the application.

Recommended Action Verify the status of the RADIUS secure proxy local-server application using the command "show radius-secure-proxy local-server".

updating radius-secure-proxy aaa due to trustpoint

Message Updating radius-secure-proxy AAA due to trustpoint change

Severity info/6

Explanation The RADIUS secure proxy AAA program has been updated and restarted due to a change to the PKI trustpoint associated with the application.

Recommended Action Verify the status of the RADIUS secure proxy AAA connections using the command "show radius-secure-proxy aaa".

Secure Mode Messages

command [crypto verify <release hash_value>] faile

Message Command [crypto verify <release hash_value>] failed.
Command [no crypto verify <release>] not executed.

Severity err/3

Explanation Crypto verification of a release file failed as the hash value provided doesn't match.
Removing a release file name and hash value combination command failed to execute.

Recommended Action If secure-mode is enabled, make sure the release file is verified before loading.

User Access Messages

command [username <username> ***] not execute**

Message Command [username <username> *****] not executed

Severity err/3

Explanation When a user with a password has not been created, log it as an error log message.

Recommended Action The user creation has failed, check for other error messages for more details.

VCStack Messages

board region mismatch

Message Board region mismatch: <stack-member> region is [Global|Japan] and <other-stack-member> region is [Japan|Global]

Severity crit/2

Explanation An OEM region mismatch has been detected between the two stack members. The units get installed with an OEM region (Global or Japan) in the factory based on where they will be sold. Two units intended for different regions have been stacked together. The base feature license is based on the region, so stacking units together from different regions could result in incompatible feature licenses.

Recommended Action Do not stack units with different regions in the same stack. If you think your units should have been set to the same region, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

IMISH syslog-ng

This chapter contains messages generated by the IMISH syslog-ng program.

- *"ATMF Messages"* on page 361
- *"Command Messages"* on page 363
- *"Internal Messages"* on page 364
- *"Logging Messages"* on page 365
- *"User Access Messages"* on page 369

ATMF Messages

configured release is not set

Message reboot-rolling, <node>: The configured release is not set. Upgrade skipped. , <node_name>

Severity err/3

Explanation The configured release is not set. The switch may be booting from the bootloader or from a backup release.

Recommended Action Configure the node to boot from the required software version in Flash memory ('boot sys <release-file-name>' command). To check the boot configuration, use the 'show boot' command.

configured release name is invalid

Message reboot-rolling, <node>: The configured release name is invalid %s. Upgrade skipped." <node_name>

Severity err/3

Explanation The device is configured to boot from a file that does not have a valid release file extension (.rel).

Recommended Action Configure the device to boot from a valid release file ('boot sys <release-file-name>' command). To check the boot configuration, use the 'show boot' command.

reboot-rolling ... upgrade failed

Message IMISH[<pid>]: reboot-rolling, <node-name>: Upgrade failed. Configured : <configured-release-name> Current : <current-release-name>

Severity err/3

Explanation The ATMF node booted from a software version file that was not the configured software version file. This may mean it booted from the bootloader.

Recommended Action Check the bootloader setting. The node should boot from option 9: Boot from main CLI. If this does not resolve the issue, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

reboot-rolling : validate release failed

Message IMISH[<pid>]: reboot-rolling : Validate release failed on node <node-name> for <release-path-and-filename>.

Severity err/3

Explanation During a rolling reboot of the ATMF, the software version file for the specified node did not pass validation. This may be because the rsync process failed to copy the appropriate file to this node correctly. This failed software version file will be automatically deleted.

Recommended Action Wait till the failed release file is automatically deleted from the node, then try the rolling reboot again.

socket

Message socket <number> accept failed (<reason>)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Command Messages

last message ... repeated

Message Last message \`IMISH[2670]: <command> \'` repeated
`<number> times`

Severity Notice/5

Explanation The specified command was repeated a number of times. This helps conserve space in the log.

Recommended Action Address the contents of the repeated message.

Internal Messages

failed to open logrotate config file

Message Failed to open logrotate config file.

Severity err/3

Explanation Internal software audit trace.

Recommended Action If this message persists, try rebooting the device. If it still recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to open temporary logrotate config file

Message Failed to open temporary logrotate config file.

Severity err/3

Explanation Internal software audit trace.

Recommended Action If this message persists, try rebooting the device. If it still recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Logging Messages

log buffered

Message [`<username>@<terminal>`]log buffered

Severity Notice/5

Explanation The log buffered command has been executed. This will enable the buffered log if successful.

Recommended Action No action required.

log buffered level

Message [`<username>@<terminal>`]log buffered level `<level filter>` `<optional other filters>`

Severity Notice/5

Explanation The log buffered level command has been executed. This adjusts the buffered log filter config.

Recommended Action No action required.

log buffered size

Message [`<username>@<terminal>`]]log buffered size `<50-250>`

Severity Notice/5

Explanation The log buffered size command has been executed. This will change the buffered log size limit if successful.

Recommended Action No action required.

log host

Message [`<username>@<terminal>`]]log host `<host config>`

Severity Notice/5

Explanation The log host command has been executed. This changes the syslog host config on the device if successful.

Recommended Action No action required.

log permanent

Message [`<username>@<terminal>`]]log permanent

Severity Notice/5

Explanation The log permanent command has been executed. This will enable the permanent log if successful.

Recommended Action No action required.

log permanent level

Message [`<username>@<terminal>`]`log permanent level <level filter> <optional other filters>`

Severity Notice/5

Explanation The log permanent level command has been executed. This adjusts the permanent log filter config.

Recommended Action No action required.

log permanent size

Message [`<username>@<terminal>`]`log permanent size <50-250>`

Severity Notice/5

Explanation The log permanent size command has been executed. This changes the size limit of the permanent log if successful.

Recommended Action No action required.

log trustpoint

Message [`<username>@<terminal>`]`log trustpoint <trustpoint name>`

Severity Notice/5

Explanation The log trustpoint command has been executed. This changes the trustpoint configuration used for syslog server communication.

Recommended Action No action required.

no log buffered

Message [`<username>@<terminal>`]no log buffered

Severity Notice/5

Explanation The no log buffered command has been executed. This will deactivate the buffered log if successful.

Recommended Action No action required.

no log permanent

Message [`<username>@<terminal>`]no log permanent

Severity Notice/5

Explanation The no log permanent command has been executed. This disables the permanent log if successful.

Recommended Action No action required.

show log config

Message [`<username>@<terminal>`]show log config

Severity Notice/5

Explanation The show log config command has been executed.

Recommended Action No action required.

User Access Messages

show users

Message [`<username>`@`<terminal>`]show users

Severity Notice/5

Explanation The show users command has been executed.

Recommended Action No action required.

username `<username>` *****

Message [`<username>`@`<terminal>`]username `<username>` *****

Severity Notice/5

Explanation A user password has been changed. The username is shown and the password represented by asterisks.

Recommended Action No action required.

username `<username>` privilege

Message [`<username>`@`<terminal>`]username `<username>` privilege 15

Severity Notice/5

Explanation A new user has been created. The username is shown and the password represented by asterisks.

Recommended Action No action required.

inetd

This chapter contains messages generated by the internal inetd program.

- *"Internal Messages"* on page 371

Internal Messages

no such file or directory

Message /etc/inetd.conf: No such file or directory

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

unknown service

Message inetd[<pid>]: rsync/tcp: unknown service

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

IRDP

This chapter contains messages generated by the internal IRDP program.

- *"Internal Messages"* on page 373

Internal Messages

ais healthcheck start failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message Component <component-name> requested to enter hastate
SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message Component <component-name> requested to enter hastate
SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

kernel

This chapter contains messages generated by the software kernel.

- *"Firewall Messages"* on page 376
- *"Hardware Issue Messages"* on page 377
- *"Hardware Support Messages"* on page 383
- *"Internal Messages"* on page 384
- *"Network Messages"* on page 439

Firewall Messages

deny in policy

Message Firewall: DENY in policy IN=<src-interface>
OUT=<dest-interface> <detailed-packet-description>

Severity info/6

Explanation A packet with the specified description has been blocked by the firewall, according to the Firewall configuration. <src-interface> and <dest-interface> are the receiving and (would be) forwarding interfaces for the packet.

Recommended Action No action required if this is the intended behaviour. Otherwise, check the Firewall configuration.

firewall rule

Message Firewall rule <rule-id>: <action> IN=<src-interface>
OUT=<dest-interface> <detailed-packet-description>

Severity info/6

Explanation The firewall has taken action on a packet, according to the Firewall configuration.
An action <action> (PERMIT, DENY, PORTFW, LOG), has been performed on a packet by the Firewall, due to the rule with ID <rule-id>. The packet was received on interface <src-interface> and was forwarded on interface <dest-interface>. <detailed-packet-description> is a detailed description of the packet.

Recommended Action In general, no action is required. However, if a problem is indicated at a higher level, then you may want to use this information to investigate.

Hardware Issue Messages

can't initialize the card

Message kernel: (none) kernel: mmc_spi spi1.0: can't initialize the card: no card?

Severity err/3

Explanation The SD card bay tried to initialise an SD card, and failed because it could not find one. Either there is no card inserted, or the card type is not supported.

Recommended Action Check that the card is supported by the switch, and that it is correctly inserted in the SD bay.

mmc_spi INVALID RESPONSE

Message mmc_spi spi1.0: INVALID RESPONSE, c1

Severity err/3

Explanation Internal software audit trace related to a card inserted in the card bay.

Recommended Action Check whether the inserted card is operating correctly (eg: "\dir card:\"). If it is, no action is required. Otherwise, check whether the card is correctly inserted and is supported by the switch.

no contact from member

Message kernel: TIPC: No contact from member-<member-number> for <milliseconds>ms (<number>/<number> probes timed out)

Severity alert/1

Explanation The stacking cable may have been unplugged, there may be a stack communication problem, or the message may be generated during system reboot.

Recommended Action Check the stacking cable connections, and reconnect them if necessary. If this message occurred during system reboot, and the stack forms correctly after reboot, then no action is necessary. Otherwise, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command. For more information, use the `\show stack detail\` command and see the AlliedWare Plus How To Note: Overview of Virtual Chassis Stacking (VCStack).

powerone - error while reading the device

Message kernel: powerone 10-0058: There was an error while reading the device!

Severity warning/4

Explanation There was a communication error between the switch and the power supply unit. This may result from:

- an internal event that resolves itself in normal operation
- an incorrectly installed power supply unit
- a problem in a software component
- a faulty power supply unit

Recommended Action If the switch and power supply are operating correctly, no action is required. On a SwitchBlade x908, check the status of the power supply using the `\show system psu\` command. Check that the power supply is correctly installed. If this message is repeated frequently, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command, including this log message.

problem reading switch capabilities

Message kernel: mmc0: problem reading switch capabilities, performance might suffer.

Severity warning/4

Explanation There was a problem reading the SD card inserted in the switch. This may resolve itself, or may result in reduced performance, or failure to read the card.

Recommended Action Check whether the inserted card is operating correctly (\"dir card:\"). If it is, no action is required. Otherwise, check whether the card is supported by the switch and is inserted correctly.

requested speed is too low

Message kernel: (none) kernel: mmc_spi spi1.0: Requested speed is too low: <requested-speed> Hz. Will use <speed> Hz instead.

Severity err/3

Explanation The SD card inserted in the switch has requested an unsupported slow speed. The specified supported speed has been adopted instead.

Recommended Action Check whether the inserted card is operating correctly (eg: \"dir card:\"). If it is, no action is required. Otherwise, check whether the card is supported by the switch.

rng self-test failed

Message RNG self-test failed

Severity crit/2

Explanation The hardware self-test of the random number generator has failed.

Recommended Action Reboot the device. If the problem persists, the unit is probably suffering from a hardware problem.

rng self-test passed

Message RNG self-test passed

Severity err/3

Explanation The hardware self-test of the random number generator passed.

Recommended Action No action required.

unsupported xem inserted

Message kernel: Unsupported XEM inserted. Board id <board-id>

Severity crit/2

Explanation The expansion module inserted in the XEM bay, with the specified board ID, is not supported by this switch.

Recommended Action Remove the unsupported XEM from the XEM bay, and replace it with a supported XEM. For information about which XEMs are supported in this bay, see the Hardware Reference for your switch.

xem has bad/no personality

Message kernel: atlat10908brd_XEM_Change: XEM in bay <bay-number> has bad/no personality

Severity crit/2

Explanation The XEM expansion module inserted in the expansion bay is not supported on this switch or software version, or may be faulty.

Recommended Action Check whether the XEM module inserted in the switch is supported by the switch and/or software version (refer to the Hardware Reference and software release notes for the switch).
If it is not supported, either remove it and replace it with a supported XEM, or upgrade the software release on the switch to a version that supports this XEM. If it is supported and a fault is suspected, try swapping it for another XEM that you know to be good.
Contact your authorised Allied Telesis distributor or reseller with information about what you have discovered, and with the output from the `\show tech-support\` command.

xem startup bay failed to power up

Message kernel: XEM startup bay <bay-number> failed to power up.

Severity crit/2

Explanation The expansion module inserted in the specified bay failed to start.

Recommended Action Check the current state of the XEM (`\show system\` command). If the XEM has still not started, try removing and reinserting the XEM. If your network can tolerate a 1 minute outage, consider restarting the switch. If it still fails to start, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

xem startup successfully retried

Message kernel: XEM startup successfully retried.

Severity crit/2

Explanation An expansion module that previously failed to start up was retried and started successfully.

Recommended Action No action required.

Hardware Support Messages

unsupported card

Message Unsupported card AT-SBx81XS16 in slot

Severity alert/1

Explanation A line card that has been inserted in the specified slot is not supported in this system. The line card will be disabled while in this system.

Recommended Action Replace the unsupported card with one that is supported, or change the controller card to support this line card.

Internal Messages

802.1q vlan support

Message kernel: 802.1Q VLAN Support v1.8 Ben Greear
<greearb@candelatech.com>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

<hex> - <hex>

Message kernel: 0x00000000-0x00080000 : nvs\\"\\"

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: 0x00000000-0x00100000 : rom\\"\\"

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: 0x00000000-0x01f00000 : user\\"\\"

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: 0x01f00000-0x01f20000 : epi3\\"\\"

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: 0x01f20000-0x01f40000 : boot-env\\"\\"

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: 0x01f40000-0x02000000 : boot\\""

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

<number> -> <number>

Message kernel: 0: 0 -> 131072

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: DMA 0 -> 131072

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Normal <number> -> <number>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

boardinfo

Message kernel: BoardInfo: registered successfully.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

buffer write method

Message kernel: Using buffer write method

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

bus probed

Message kernel: Gianfar MII Bus: probed

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

call trace

Message kernel: Call Trace:

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

cold start

Message kernel: lm81a 0-002f: cold start: config was 0x08 mode
1

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

console

Message kernel: console [<console>] enabled

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

disabled privacy extensions

Message kernel: lo: Disabled Privacy Extensions

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: sit0: Disabled Privacy Extensions

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: tunl0: Disabled Privacy Extensions

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

driver

Message kernel: 1-Wire bus driver for <device> loaded. (Bus 0)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Driver for 1-wire Dallas network protocol.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Generic PHY: Registered new driver

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: GRE over IPv4 tunneling driver

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: i2c /dev entries driver

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: IPv4 over IPv4 tunneling driver

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: <component>: Registered new driver

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: mmc_spi spi1.0: SD/MMC <-> SPI proxy driver, no card power management

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: mvPP: registering driver

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: RAMDISK driver initialized: <number> RAM disks
of <number>K size 1024 blocksize

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

erase suspend

Message kernel: cfi_cmdset_0001: Erase suspend on write enabled

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

eth

Message kernel: eth0: 256/256 RX/TX BD ring size

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: eth0: Gianfar Ethernet Controller Version
<version>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: eth0: Running with NAPI enabled

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

extended query table

Message kernel: Intel/Sharp Extended Query Table at <hex>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

flash

Message kernel: ATL PowerQUICC III Flash: <hex> at <hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: ATL PowerQUICC III Flash: probing 16-bit flash bus

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: ATL PowerQUICC III Flash: Total size: <hex> bytes (<hex>)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: ATL PowerQUICC III Flash: Found 1 x16 devices at 0x0 in 16-bit bank

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

fsl-mem_map

Message kernel: fsl-mem_map: probe of fsl-mem_map.0 failed with error <number>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

hash collisions

Message kernel: PID hash table entries: <number> (order: <number>, <number> bytes)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

hash table

Message kernel: Dentry cache hash table entries: <number> (order: <number>, <number> bytes)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Inode-cache hash table entries: <number> (order: <number>, <number> bytes)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message	kernel: IP route cache hash table entries: <dec> (order: <dec>, <dec> bytes)
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: Mount-cache hash table entries: <number>
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TCP bind hash table entries: <number> (order: <number>, <number> bytes)
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TCP established hash table entries: <number> (order: <number>, <number> bytes)
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TCP: Hash tables configured (established <number> bind <number>)
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

I2C addr

Message	kernel: atlat10908brd_add_slow_i2c:<number> I2C addr <number> mux <number>
Severity	err/3
Explanation	Internal software audit trace. It probably indicates slow synchronisation to a newly inserted module. In general, this is not a problem.
Recommended Action	No action required. If this message occurs repeatedly, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

I2C bad transfer address

Message kernel: atlat_i2c_smbus_xfer_retry:156 I2C bad transfer address 21 value

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message kernel: tlati2c_a61_deselect_mux:<number> I2C bad transfer address <number> value <hex-number>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

i2c-adapter

Message kernel: i2c-adapter i2c-0: found LM81 revision 3

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

image

Message kernel: checking if image is initramfs...it isn't (bad gzip magic numbers); looks like an initrd

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

init ok

Message kernel: ipi_mvioctl_init: Init OK! dma_base 1e800000
dma_len 200000

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

invoked oom-killer

Message kernel: <process> invoked oom-killer: gfp_mask=<mask>, order=<number>, oomkilladj=<number>

Severity warning/4

Explanation The process was terminated because of a lack of memory. This may be because:

- there was an internal software event that resolves itself as part of normal operations
- there was an unusual demand on the process, for example, from heavy network activity, that resolves itself when demand has reduced

If this message is repeated frequently, it may indicate that:

- there is insufficient memory available on the system for your normal operations
- there is a problem with a software component

Recommended Action If the this message occurs infrequently, and the switch is operating correctly, no action is required.

If the switch is not operating correctly:

- If this message is repeated frequently, consider upgrading the switch memory
- for options, see the Hardware Reference for your switch.
- Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.
- After collecting this information, you may need to restart the switch to recover.

io scheduler

Message kernel: io scheduler anticipatory registered (default)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: io scheduler cfq registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: io scheduler deadline registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: io scheduler noop registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

ip_tables

Message kernel: ip_tables: (C) 2000-2006 Netfilter Core Team

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

kernel

Message kernel: nr_pdflush_threads exported in /proc is scheduled for removal

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: sysctl: The scan_unevictable_pages sysctl/node-interface has been disabled for lack of a legitimate use case. If you have one, please send an email to linux-mm@kvack.org

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: random: init urandom read with <number> bits of entropy available

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: random: nonblocking pool is initialized

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

kernel command line

Message kernel: Kernel command line: console= releasefile=
ramdisk= bootversion= loglevel= extraflash=

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Killed process

Message kernel: Killed process <pid> (<program>)

Severity err/3

Explanation The specified process was terminated. This may be part of normal operations, or may result from a problem in a software component.

Recommended Action If there are other indications of a problem, then contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command, including this log message. Otherwise, no action is required.

klogd started

Message kernel: klogd started: BusyBox <version>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

knfsd

Message kernel: Installing knfsd (copyright (C) 1996 okir@monad.swb.de).

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

linux version

Message kernel: Linux version <version> (maker@awpmaker01-d1)
(gcc version <version>) <time>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

master slot id

Message kernel: w1 master slot id is <number>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

memory

Message kernel: Freeing initrd memory: <number>k freed

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Freeing unused kernel memory: <number>k init

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Memory CAM mapping: CAM0=256Mb, CAM1=256Mb, CAM2=0Mb CAM3=0Mb residual: 0Mb

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Memory: <number>k available (<number>k kernel code, <number>k data, <number>k init, <number>k highmem)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

module license taints kernel

Message kernel: ipifwd: module license \'Proprietary\' taints kernel.

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

module loaded

Message kernel: loop: module loaded

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

neighbour table overflow

Message kernel: ipv4: Neighbour table overflow.

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

nfs: server not responding

Message kernel: nfs: server <ip-address> not responding, timed out

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

nfsd

Message kernel: nfsd: last server has exited

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: nfsd: unexporting all filesystems

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required./

open

Message kernel: [<hex>] [<hex>] open_namei+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>] do_filp_open+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>] do_sys_open+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

out of memory

Message kernel: Out of memory: kill process <pid> (<process>) score <number> or a child

Severity err/3

Explanation The process was terminated because of a lack of memory.
This may be because:

- there was an internal software event that resolves itself as part of normal operations
- there was an unusual demand on the process, for example, from heavy network activity, that resolves itself when demand has reduced

If this message is repeated frequently, it may indicate that:

- there is insufficient memory available on the system for your normal operations
- there is a problem with a software component

Recommended Action If this message occurs infrequently, and the switch is operating correctly, no action is required.
If the switch is not operating correctly:

- If this message is repeated frequently, consider upgrading the switch memory
- for options, see the Hardware Reference for your switch.
- Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.
- After collecting this information, you may need to restart the switch to recover.

page

Message kernel: [<hex>] [<hex>] [<hex>]
read_cache_page_async+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>] read_cache_page+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>] page_getlink+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>]
page_follow_link_light+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

partitions

Message kernel: Creating <number> MTD partitions on ATL
PowerQUICC III Flash

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Creating <number> MTD partitions on nvs

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Creating <number> MTD partitions on rom

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

path

Message kernel: [<hex>] [<hex>] __link_path_walk+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>] do_path_lookup+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: [<hex>] [<hex>]
__path_lookup_intent_open+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

pci

Message kernel: PCI: Enabling device 0001:01:0d.0 (0000 -> 0002)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: PCI: Probing PCI hardware

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: pci_hotplug: PCI Hot Plug PCI Core version: <version>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

pfn

Message kernel: early_node_map[1] active PFN ranges

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Movable zone start PFN for each node

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Zone PFN ranges:

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

phy

Message kernel: PHY: 0:01 - Link is Up - 100/Full

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

possible stack module present detect

Message kernel: Possible stack module present detect interrupt hardware fault or more than <number> module hotswaps

Severity crit/2

Explanation A problem may have occurred in a hardware or software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

powerone

Message kernel: powerone 10-0058: Device checksums - Read:00
Calculated:00

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: powerone 10-0058: Raw PSU EEPROM data below.

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

powerpc book-e watchdog

Message kernel: PowerPC Book-E Watchdog Exception

Severity emerg/0

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message kernel: PowerPC Book-E Watchdog Handler: dumping kernel

Severity emerg/0

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message	kernel: PowerPC Book-E Watchdog Handler: dumping user process
Severity	emerg/0
Explanation	A problem may have occurred in a software component.
Recommended Action	Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message	kernel: PowerPC Book-E Watchdog Timer Enabled (wdt_period=63)
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: PowerPC Book-E Watchdog Timer Loaded
Severity	info/6
Explanation	Internal software audit trace.
Recommended Action	No action required.

read wait interrupted

Message kernel: cpm_iic_read:<number> read wait interrupted,
i2c address <number> status <number>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

real time clock driver

Message kernel: ATL NZ Standalone DS1302 Real Time Clock Driver
v1.0

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

registered

Message kernel: mvPP: registered successfully. Major Num - 254

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Registered led device: fault:red

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Registered led device: psul:green

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Registered led device: psul:red

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Registered led device: psu2:green

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message Registered led device: psu2:red

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TCP bic registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TCP cubic registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TCP htcp registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TCP reno registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TCP westwood registered

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

ret_from_syscall

Message kernel: [<hex>] [<hex>] ret_from_syscall+<hex>/<hex>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: NET: Registered protocol family <protocol-id>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

rpc: failed to contact portmap

Message kernel: RPC: failed to contact portmap (errno -5).

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

serial

Message kernel: Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing disabled

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: serial8250.0: ttyS0 at MMIO 0xff704500 (irq = 90) is a 16550A

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

squashfs filesystem

Message kernel: RAMDISK: squashfs filesystem found at block 0

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

table full dropping packet

Message kernel: nf_contrack: table full, dropping packet

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

tipc

Message kernel: TIPC: <member-id> not responding - resetting
link from <member-id> to peer

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TIPC: Publication failed, reserved name
{53,200,200}

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TIPC: Resetting all links to <port>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TIPC: Resetting link
<<port>:vlan<vid>-<port>:vlan<vid>, peer not responding

Severity warning/4

Explanation Internal software audit trace related to VCStack.

Recommended Action No action required.

Message kernel: TIPC: Resetting link
<<port>:vlan<vid>-<port>:vlan<vid>>, requested by peer

Severity warning/4

Explanation Internal software audit trace related to VCStack.

Recommended Action No action required.

Message kernel: TIPC: Resetting link
<<port>:vlan<vid>-<port>:vlan<vid>>, requested by peer
while probing

Severity warning/4

Explanation Internal software audit trace related to VCStack.

Recommended Action No action required.

Message kernel: TIPC: Retransmission failure on link
<multicast-link>

Severity warning/4

Explanation Internal software audit trace related to VCStack.

Recommended Action No action required.

Message kernel: TIPC: Activated (version <version> compiled <date-time>)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TIPC: Blocking bearer <eth:vlan4094>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TIPC: Disabling bearer <eth:vlan<vid>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message	kernel: TIPC: Enabled bearer <eth:vlan<vid>>, discovery domain <port-number>, priority <number>
Severity	Notice/5
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TIPC: Established link <<port-number>:vlan<vid>-<port-number>:vlan<vid>> on network plane A
Severity	Notice/5
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TIPC: Lost contact with <<port-number>>
Severity	Notice/5
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TIPC: Lost link <<port-number>:vlan<vid>-<port-number>:vlan<vid>> on network <plane>
Severity	Notice/5
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TIPC: Own node address <port-number>, network identity <number>
Severity	Notice/5
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message	kernel: TIPC: Resetting link <<port-number>:vlan<vid>-<port-number>:vlan<vid>>, requested by peer
Severity	Notice/5
Explanation	Internal software audit trace.
Recommended Action	No action required.

Message kernel: TIPC: Started in network mode

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: TIPC: Started in single node mode

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

unable to register port at index

Message kernel: (none) kernel: serial8250 serial8250.0: unable to register port at index <dec> (IO0 MEMec004600 IRQ10): -28

Severity err/3

Explanation An internal event occurred that may be part of normal operations, or may result from a problem in a software or hardware component.

Recommended Action If there are other indications of a problem, then contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command, including this log message. Otherwise, no action is required.

unexpected close

Message kernel: Unexpected close, not stopping watchdog!

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

unrecognized version

Message kernel: i2c_adapter i2c-0: Unrecognized version/stepping 0x62 Defaulting to LM85.

Severity err/3

Explanation An internal event occurred that may be part of normal operations, or may result from a problem in a software or hardware component.

Recommended Action If there are other indications of a problem, then contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command, including this log message. Otherwise, no action is required.

unreliable

Message kernel: [<hex>] [<hex>] <hex> (unreliable)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

version

Message kernel: IPv4 FIB: Using LC-trie version <version>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: JFFS2 version 2.2. (NAND) © 2001-2006 Red Hat, Inc.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: nf_contrack version <version> (8192 buckets, 32768 max)

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: OpenPIC Version 1.2 (1 CPUs and 60 IRQ sources)
at fbf38000

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: Sangoma WANPIPE Router v1.1 (c) 1995-2000
Sangoma Technologies Inc.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: squashfs: version <version> Phillip Lougher

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message kernel: VFS: Mounted root (squashfs filesystem) readonly.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

vlan disabled for interface

Message Vlan <vid> disabled for interface <port-number>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

watchdog timeout

Message kernel: Watchdog timeout
kernel: Process <process name> (pid: <pid>)

Severity emerg/0

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

zonelists

Message kernel: Built <number> zonelists in Zone order. Total pages: <number>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Network Messages

dropping request

Message kernel: svc: <host-ip-address>, port=<number>: bad direction <number>, dropping request

Severity warning/4

Explanation The switch received from the specified host either a malformed packet or a request that is not supported.

There may be a device on the network with the specified source address sending bad packets.

Recommended Action No action required. If this message is repeated, or you have reason to be suspicious, identify the device on the network with the specified IP address. Either find out why it is sending the messages and resolve this, or create an ACL on the switch to filter out these messages.

martian source

Message kernel: martian source <destination-ip-address> from <source-ip-address>, on dev <interface> II header: <dest-mac>:<source-mac>: <ether-type>

Severity warning/4

Explanation A packet has arrived on the specified interface with a "martian" source IP address. This means that its source address is not consistent with the subnet of the interface it arrived at, that is, our switch's interface does not have a route to that source address.

The problem could be caused by:

- the device that sent this packet is configured with an inappropriate address for this LAN's ip subnet
- a network routing issue
- the source address is a broadcast address or a reserved non-routable address
- a network attack from a rogue device.
- a packet from an unstable device

Recommended Action Identify the device that sent the packet:

- Check if that device is patched through to the correct VLAN on this switch
- Check if that device is configured with an appropriate interface address - consistent for the IP subnet of this LAN.
- Check if this switch is configured with an appropriate VLAN IP address for this LAN.
- If a rogue frame is suspected from that device, see if there is any software or hardware reason that might cause it to send the rogue frame.

LACP

This chapter contains messages generated by the Link Aggregation Control Protocol (LACP) program.

- *"Internal Messages"* on page 442

Internal Messages

agentx

Message Can\'t read AgentX packet: Connection reset by peer, connection closed: <number>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx ping retries

Message (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx requested pdu

Message AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: read connection closed

Message AgentX: read, connection (sock <socket>) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais response/healthcheck failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate sa_amf_active

Message Component <component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate sa_amf_ha_sta

Message Component <component-name> requested to enter hastate SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

re-connecting process

Message re-connecting process

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

licd

- *"Licensing Messages"* on page 447

Licensing Messages

license ... activated

Message licensing[<PID>]: <Subscription licensing feature> activated.
licensing[<PID>]: <Subscription licensing feature> activated (<count desc.> is <count>)

Severity Notice/5

Explanation The specified subscription licence has reached its activation date. The features enabled by this licence will now become operational.

Recommended Action No action required.

license ... is due to expire

Message licensing[<PID>]: License '<subscription licensing feature>' is due to expire in <number> days at <DAY MTH DD HH:MM:SS YYYY>
licensing[<PID>]: License '<subscription licensing feature>' is due to expire soon at <DAY MTH DD HH:MM:SS YYYY>

Severity crit/2

Explanation The specified subscription licence will expire at the specified time. Unless further licensing is acquired before then, the feature enabled by this license will stop functioning.

Recommended Action Contact your authorised Allied Telesis distributor or reseller for further licensing.

license now expired

Message licensing[<pid>]: License <subscription licensing feature> expired
licensing[<pid>]: License <subscription licensing feature> deactivated

Severity crit/2

Explanation The installed subscription license has reached its expiration date. The licensed features will no longer operate.

Recommended Action Contact your authorised Allied Telesis distributor or reseller for further licensing.

Logging (syslog)

This chapter contains messages generated by the syslog logging program.

- *"Feature Licence Messages"* on page 450
- *"Internal Messages"* on page 454
- *"Logging Messages"* on page 455
- *"Public Key Infrastructure (PKI) Messages"* on page 456

Feature Licence Messages

bgp-64 is active

Message SFL: [licencecheck] LicenceCheck: BGP-64 is active

Severity info/6

Explanation A BGP-64 software feature licence is installed and available.

Recommended Action No action required.

bgp-64 is not active

Message SFL: [licencecheck] LicenceCheck: BGP-64 is not active

Severity info/6

Explanation The BGP-64 software feature licence is not installed, or has expired.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled.
To display licence information, use the `\show license\` command. To enable a feature licence, use the `\licence\` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

bgp-full is not active

Message SFL: [licencecheck] LicenceCheck: BGP-FULL is not active

Severity info/6

Explanation The BGP-FULL software feature licence is not installed, or has expired.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the `\show license\` command. To enable a feature licence, use the `\licence\` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

bgp4+ is not active

Message SFL: [licencecheck] LicenceCheck: BGP4+ is not active

Severity info/6

Explanation The BGP4+ software feature licence is not installed, or has expired.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the `\show license\` command. To enable a feature licence, use the `\licence\` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

ospf-64 is active

Message SFL: [licencecheck] LicenceCheck: OSPF-64 is active

Severity info/6

Explanation An OSPF-64 software feature licence is installed and available.

Recommended Action No action required.

pim is active

Message SFL: [licencecheck] LicenceCheck: PIM is active

Severity info/6

Explanation A PIM software feature licence is installed and available.

Recommended Action No action required.

pim is not active

Message SFL: [licencecheck] LicenceCheck: PIM is not active

Severity info/6

Explanation The PIM software feature licence is not installed, or has expired.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled.
To display licence information, use the \"show license\" command. To enable a feature licence, use the \"licence\" command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

pim6 is not active

Message SFL: [licencecheck] LicenceCheck: PIM6 is not active

Severity info/6

Explanation The PIM6 software feature licence is not installed, or has expired.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled.
To display licence information, use the \"show license\" command. To enable a feature licence, use the \"licence\" command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

ripng is not active

Message SFL: [licencecheck] LicenceCheck: RIPNG is not active

Severity info/6

Explanation The RIPNG software feature licence is not installed, or has expired.

Recommended Action If you do not intend to use this feature, no action is required.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

vrrp is active

Message SFL: [licencecheck] LicenceCheck: VRRP is active

Severity info/6

Explanation A VRRP software feature licence is installed and available.

Recommended Action No action required.

Internal Messages

init ntp app counter successful

Message ntpd: Init ntp app counter successful

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

saamfdispatch failed

Message openhpid saAmfDispatch failed with 9

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Logging Messages

last message ... repeated

Message <program>: Last message '<log-message>' repeated <n> times, suppressed by syslog-ng on awplus

Severity /

Explanation This log indicates that a particular log message was repeatedly recorded, and saves space in the log file for other messages. The log severity and program varies depending on the message being repeated.

Recommended Action Whether the message requires action depends on the actual log message being repeated.

Public Key Infrastructure (PKI) Messages

syslog-ng certificate verification failed

Message Syslog-ng certificate verification failed for
<subject>:
err:<reason>(<errnum>),depth=<depth>, issuer:<issuer_name

Severity err/3

Explanation The certificate used by the syslog server could not be verified.

Recommended Action Check that the trustpoint associated with the log system is valid and that the syslog server in use has not had its certificate expired or revoked.

syslog-ng TLS session ... ended

Message Syslog-ng TLS session (<subject>) ended

Severity info/6

Explanation The syslog system has closed a secure connection to the server.

Recommended Action No action required.

syslog-ng TLS session ... initiated

Message Syslog-ng TLS session (<subject>) initiated

Severity info/6

Explanation The syslog system has made a secure connection to the server.

Recommended Action No action required.

syslog-ng unable to verify OCSP

Message Syslog-ng unable to verify OCSP: <subject>
(<host>:<port><path>)

Severity warning/4

Explanation An X.509 certificate contained OCSP data but a connection could not be made to the OCSP server for validation. This does not cause certificate validation to fail.

Recommended Action Check that a connection can be made to the OCSP server referenced by <host>:<port><path>.

login

This chapter contains messages generated by the login program.

- *"Authentication Messages"* on page 459
- *"Login Messages"* on page 463
- *"Memory Message"* on page 465

Authentication Messages

authentication failure

Message pam_unix(console:auth): authentication failure;
logname=LOGIN uid=0 euid=0 tty=<console> ruser= rhost=

Severity Notice/5

Explanation An attempt to log in at the console failed.

Recommended Action Attempt to login again.
Check that the username and password are correct in the switch configuration, or are accessible via the configured authentication service (e.g. RADIUS).

Message pam_unix(login:auth): authentication failure;
logname=LOGIN uid=0 euid=0 tty=<console> ruser= rhost=

Severity Notice/5

Explanation An attempt to log in at the console failed.

Recommended Action Attempt to login again.
Check that the username and password are correct in the switch configuration, or are accessible via the configured authentication service (eg RADIUS).

Message pam_unix(vty0:auth): authentication failure; logname=uid=0 euid=0 tty=<console> ruser= rhost=<ip-address> user=<user-id>

Severity Notice/5

Explanation There was a failed attempt to log in from a telnet or SSH session.

Recommended Action Attempt to log in again.
Check if the username and password are correct in the switch configuration or accessible in the configured authentication service, such as RADIUS.

failed login

Message FAILED LOGIN <number-of-login-attempt> FROM (null) FOR <user-id>, Authentication failure, User not known to the underlying authentication module

Severity Notice/5

Explanation The specified number of attempts to log in failed. This may be because the user was not recognised by the configured authentication service, for instance, the local user database or local or remote RADIUS server.

Recommended Action Check if username and password are correct in switch configuration, or accessible on an Authentication service such as RADIUS.

login:auth

Message pam_tally(login:auth): pam_get_uid; user?

Severity err/3

Explanation An attempt to log in at the console failed. This may be because the user was not recognised by the configured authentication service, for instance, the local user database or local or remote RADIUS server.

Recommended Action Attempt to login again.
Check that the username and password are correct in the switch configuration, or are accessible via the configured authentication service (eg RADIUS).

Message pam_unix(login:auth): check pass; user unknown

Severity warning/4

Explanation An attempt to log in failed. This may be because the user was not recognised by the configured authentication service, for instance, the local user database or local or remote RADIUS server.

Recommended Action Attempt to login again.
Check that the username and password are correct in the switch configuration, or are accessible via the configured authentication service (eg RADIUS).

no such user

Message pam_tally(console:auth): pam_get_uid; no such user

Severity err/3

Explanation An attempt to log in at the console failed because the user and password were not recognised by the configured authentication service, for instance, the local user database or local or remote RADIUS server.

Recommended Action Attempt to login again.
Check that the username and password are correct in the switch configuration, or are accessible via the configured authentication service (eg RADIUS).

radius server ... failed to respond

Message RADIUS server <IP address of RADIUS Server> failed to respond

Severity err/3

Explanation The RADIUS Server can not be reached for performing authentication.

Recommended Action Make sure that the RADIUS server is configured correctly and reachable from the device.

Login Messages

dialup

Message DIALUP AT <console> BY <user-id>

Severity info/6

Explanation The user logged in via a dial-in modem session.

Recommended Action No action required.

login

Message LOGIN ON <console> BY <user-id>

Severity Notice/5

Explanation A user (e.g., manager) successfully logged on at the specified console port.

Recommended Action No action required.

Message LOGIN ON <console> BY <user-id> FROM <ip-address>

Severity Notice/5

Explanation A user (e.g., manager) successfully logged on remotely using telnet or SSH using a console or pseudo terminal (e.g., pseudo terminal slave pts/0).

Recommended Action No action required.

logoff

Message LOGOFF ON <console> BY <user-id>

Severity Notice/5

Explanation The user logged off normally at the console.

Recommended Action No action required.

session closed

Message pam_unix(console:session): session closed for user
<user-Id>

Severity info/6

Explanation The session has ended for the user on this console session. This may be a normal or abnormal end.

Recommended Action If this is expected, no action is required. If this was not expected, then look for other log messages indicating the cause.

session opened

Message pam_unix(console:session): session opened for user
<user-id> by LOGIN(uid=0)

Severity info/6

Explanation The console session has started after successful login by the user.

Recommended Action No action required.

Memory Message

no space left on device

Message pam_tally2(console:<auth or account>): update (write) failed for /var/log/tallylog: No space left on device

Severity alert/1

Explanation Some process on the switch has filled up the /var/log ram file system and so the user lockout feature cannot record the number of login attempts. This will only happen if something is logging a very large number of different messages in the space of about a minute, so as to get past the log size limit imposed by logrotate.

Recommended Action Check the logs to find out what is filling the log. Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

mountd

This chapter contains internal messages generated by the internal mountd program.

- *"Internal Messages"* on page 467

Internal Messages

authenticated mount request

Message mountd<pid>: authenticated mount request from
node-<node>:<number> for /flash (/flash)

Severity Notice/5

Explanation Internal software audit trace. A switch was making the Flash memory accessible to the file system.

Recommended Action No action required.

Message mountd<pid>: authenticated mount request from
node-<node>:<number> for /nvs (/nvs)

Severity Notice/5

Explanation Internal software audit trace. A switch was making the NVS memory accessible to the file system.

Recommended Action No action required.

signal 15

Message mountd<pid>: Caught signal 15, un-registering and exiting.

Severity err/3

Explanation This is output by a stack master when a backup member is rebooting. The stack member is informing the master to demount the member's flash from the master's file system. If this message is output when the stack member is in normal operation, it indicates a communication error between master and member.

Recommended Action If this message was generated when the backup member was going down, then no action is required.
If it was output when the member was in normal operation, investigate the communication error between the master and member.

NSM

This chapter contains log messages generated by the Network Service Module (NSM). The Network Service Module performs internal functions in the operating system, and is not documented in the Software Reference.

- *"ATMF Messages"* on page 470
- *"Hardware Support Messages"* on page 471
- *"IGMP Messages"* on page 472
- *"Interface Messages"* on page 474
- *"Internal Messages"* on page 476
- *"IPv6 Messages"* on page 491
- *"Multicast Messages"* on page 492
- *"NSM: Interface Messages"* on page 493
- *"NSM: Multicast Messages"* on page 494
- *"NSM: VRRP messages"* on page 501
- *"Stacking Messages"* on page 504
- *"Topology Messages"* on page 506

ATMF Messages

rebooting stack member

Message NSM[<pid>]: Rebooting stack member <stack-id> to apply ATMF configuration

Severity crit/2

Explanation Some ATMF commands require the switch to reboot before they will take effect. For instance, the ATMF network-name is not effective until the device has been rebooted. The node needs to be rebooted so that it is ready to take over in a master failover scenario.

Recommended Action Wait for the stack member to reboot.
Ensure there is enough space on flash for the stack members to synchronise correctly.

startup configuration file is missing

Message NSM[<pid>]: Startup configuration file is missing on stack member <member-id>

Severity crit/2

Explanation This message occurs on a new VCStack joining an ATMF as a member node, and indicates that it is missing the startup config used by the master node. This may be because there is not enough space on the flash drive of the new member node.

Recommended Action Make space available in the flash memory device for the new config file by deleting unnecessary files.

Hardware Support Messages

board class ... is incompatible

Message % Board class xe16 is incompatible with this system

Severity err/3

Explanation An incompatible line card is installed in a system with an SBx81CFC400 controller card.

Recommended Action Replace the incompatible line card with a compatible one, or replace the controller card with a compatible one.

invalid card value

Message % Invalid card value

Severity info/6

Explanation The user has entered a slot number which is not available on the current chassis, for example, attempting to reset card 11 in a chassis that only has 6 slots. This message is output to the CLI only, not to the log.

Recommended Action Specify a number for an existing slot.

IGMP Messages

Message [IGMP-DECODE] : IGMP Query dropped on untrusted interface <interface>

Severity debug/7

Explanation An IGMP query packet was dropped by IGMP because it was received on an untrusted port.

Recommended Action No action required.

Message [IGMP-DECODE] : IGMP Report dropped on untrusted interface <interface>

Severity debug/7

Explanation An IGMP report packet was received on an untrusted port. Because the receiving port is an untrusted port, the IGMP process ignored the packet.

Recommended Action No action required.

Message NSM[<pid>]: [IGMP-DECODE] : Routermode packets dropped on untrusted interface <interface>

Severity debug/7

Explanation A packet, which would normally trigger a port to be marked as a "Router" port has been received. However, the IGMP process has decided not to mark the receiving port as a "Router" port because it is an untrusted port. Typically the sort of packet involved here will be an IGMP query or an OSPF or PIM or RIP packet.

Recommended Action No action required.

Interface Messages

error adding

Message error adding static link-local address to
<interface-name>

Severity warning/4

Explanation The static link-local address being added matches the automatically generated link-local address for this interface and this command will not be actioned.

Recommended Action No action required. This address will be included for the interface, using the automatically generated address.

ip address inside chassis management

Message IP address inside chassis management subnet

Severity err/3

Explanation The IP address specified falls within the stack management network (192.168.255.0/27). This has not been applied, as this subnet is used for stack management only.

Recommended Action Specify a different IP address.

link-flap detected

Message NSM[<pid>]: Link-flap detected, <port> has been shut down

Severity Notice/5

Explanation Flap detection is enabled ('linkflap action' command) and the port was flapping 15 or more times in 15 seconds. The port was shut down.

Recommended Action To bring the port back up, use the 'no shutdown' command. If this issue recurs, investigate the cause of the link flapping.

overlaps with chassis management

Message NSM[<pid>]: IP address 192.0.0.1/8 overlaps with chassis management subnet

Severity warning/4

Explanation The IP address being assigned has a subnet which overlaps with the stack management subnet. (192.168.255.0/27). IP addresses that fall inside the stack management subnet will not be reachable.

Recommended Action Assign an IP address that does not overlap with the stack management subnet.

Internal Messages

Message NSM[<pid>]: [IGMP-ENCODE] : Invalid Rexmit HRT(3)!

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: Unable to remove bridge: <explanation>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: Unable to create bridge: <explanation>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: Unable to add if to bridge: <EXPLANATION>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.
If the message persists, or there is ongoing difficulty adding interface configuration, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Message NSM[<pid>]: Unable to remove if from bridge:
<explanation>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.
If the message persists, or there is ongoing difficulty with removing interface configuration, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Message NSM[1143]: Failed to execute macfilter command
"<command-name>" (number)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: <string> received invalid insert_rule (number)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

agentx bad send

Message NSM[<pid>]: AgentX: send, BAD_SEND, lib_errno: <number>, sys_errno: <number>

Severity err/3

Explanation Internal software audit trace.
SNMP cannot send requested information because a process relating to the request has failed.

Recommended Action No action required.

agentx connection closed

Message NSM[<pid>]: AgentX: read, connection (sock 17) closed: length is zero

Severity warning/4

Explanation Internal software audit trace for SNMP/AgentX.

Recommended Action No action required. If this message is repeated, check for other related log messages.

agentx ping retries

Message NSM[<pid>]: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required. If this message is repeated frequently, further investigation may be required.

agentx process packet

Message NSM[<pid>]: AgentX: process_packet (Operational state), Response-PDU, <socket>

Severity Notice/5

Explanation Internal software audit trace. When SNMP notifications were sent from IMI, NSM or any protocol module, a number of meaningless AgentX log messages were generated. This has been resolved (CR 25351).

Recommended Action No action required.

Message NSM[<pid>]: AgentX: process_packet, unhandled PDU, Operational state

Severity Notice/5

Explanation Internal software audit trace. When SNMP notifications were sent from IMI, NSM or any protocol module, a number of meaningless AgentX log messages were generated. This has been resolved in a later software version (CR 25351).

Recommended Action No action required.

Message NSM[<pid>]: AgentX: process_packet (Operational state), Response-PDU, <number>

Severity info/6

Explanation Internal software audit trace. When SNMP notifications were sent from IMI, NSM or any protocol module, a number of meaningless AgentX log messages were generated. This has been resolved in a later software version (CR 25351).

Recommended Action No action required.

Message NSM[<pid>]: AgentX: process_packet, unhandled PDU, Operational state

Severity info/6

Explanation Internal software audit trace. When SNMP notifications were sent from IMI, NSM or any protocol module, a number of meaningless AgentX log messages were generated. This has been resolved in a later software version (CR 25351).

Recommended Action No action required.

Message NSM[<pid>]: AgentX: process_packet, unhandled PDU, Registering state

Severity info/6

Explanation Internal software audit trace. When SNMP notifications were sent from IMI, NSM or any protocol module, a number of meaningless AgentX log messages were generated. This has been resolved in a later software version (CR 25351).

Recommended Action No action required.

agentx requested pdu

Message NSM[<pid>]: AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace for SNMP/AgentX.

Recommended Action No action required.

ais response/healthcheck failed

Message NSM[<pid>]: AIS (amf_default_csi_set_cb:538)
saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.
AIS has detected a process failure. A process has responded to a health check request with a reply that AIS was unable to process. AIS may initiate a process restart.

Recommended Action No action required.

Message NSM[<pid>]: AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: AIS healthcheck: saAmfResponse failed with 7

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

broken pipe

Message NSM message send error to <process> - Broken pipe (protocol <number>, socket <number>)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate sa_amf_active

Message NSM[<pid>]: Component <component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

A stack master failover occurred, the stack member became the master, and the process became active. This indicates successful failover.

Recommended Action No action required.

component requested to enter hastate sa_amf_ha_sta

Message NSM[<pid>]: Component <component-name> requested to enter hastate SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.
A stack master failover occurred, the stack member became a backup member, and the process went into standby state. This indicates successful failover.

Recommended Action No action required.

config update

Message NSM[<pid>]: imi_client_send_config_update port<port>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message NSM[<pid>]: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.
AIS detected a process failure.

Recommended Action No action required.

could not add interface

Message NSM[<pid>]: Could not add interface port<port>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

could not find entry for hostd

Message Could not find entry for hostd in /etc/services

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

could not init qos on interface

Message NSM[<pid>]: Could not init QoS on interface port<port>.
Error value <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

failed retrieving thrash status

Message NSM[<pid>]: Failed retrieving thrash status for interface <if-index>

Severity err/3

Explanation Internal software audit trace. The switch was unable to retrieve MAC thrash status for the interface index.

Recommended Action No action required.

feature licence is active

Message NSM[<pid>]: SFL: [nsm] LicenceCheck: VRRP is active

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

hal filter returned error - recovered

Message NSM[<pid>]: HAL_CMD_Client filter <hex-number> returned error (<error-number>) - recovered

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: HAL_Link_Server filter <hex-number>
returned error (<error-number>) - recovered

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message NSM[<pid>]: HAL_Poll_Client filter <hex-number>
returned error (<error-number>) - recovered

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

hal server disconnect freed socket

Message NSM[<pid>]: [TRACE] hsl/hal_comm.c
_hal_server_disconnect <socket> freed socket <socket>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

igmp leave allrtrs grp failed

Message NSM[<pid>]: [IGMP-EVENTS] : Leave ALLRTRS Grp Failed!
Continuing...

Severity warning/4

Explanation A multicast network event has occurred and a Leave for the IGMP ALLRTRS group has failed.

Recommended Action No action required. If this message is unexpected, investigate multicast further.

interface is already a switchport

Message NSM[<pid>]: interface <port> index <if-index> is
already a switchport

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

interface not found

Message NSM[<pid>]: Interface not found for ifindex <if-index>.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

licence check returns success

Message NSM[<pid>]: SFL: [nsm] LicenceCheck: returns Success.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

nsm interface up

Message NSM[<pid>]: <number> nsm_if_up: <interface> <number>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

nsm message broken pipe

Message NSM[<pid>]: NSM message send error socket <number>
Broken pipe

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

nsm_server_rcv_service

Message NSM[<pid>]: nsm_server_rcv_service: proto <number>
client <number>

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

port already mirrored

Message NSM[<pid>]: Port already mirrored

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

removal event

Message Removal event on unit <unit> has been completed

Severity crit/2

Explanation An expansion module that was previously removed or failed, resulted in a removal software process, which has just completed.

Recommended Action If this was expected, no action is required. If this was not expected, investigate whether an expansion module has failed or been removed.

xem removal

Message NSM[<pid>]: imi_client_send_xem_removal port<port>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

IPv6 Messages

can not delete another downstream vlan

Message NSM[<pid>]: All downstream ports of <vlan> are down, so you can not delete another downstream vlan!

Severity info/6

Explanation An attempt was made to delete an IPv6 static multicast route; this was unsuccessful, because all other downstream ports were down. IPv6 static multicast route cannot be deleted unless there is at least one downstream port that is up will remain.

Recommended Action Before deleting an IPv6 static multicast route for a VLAN, make sure that at least one downstream port of any VLAN is up.

ipv6 multicast route limit exceeded

Message IPv6 Multicast route limit <number> exceeded

Severity warning/4

Explanation The limit configured for IPv6 multicast routes has been exceeded.

Recommended Action If this is intended behaviour, no action is required.
To change the multicast route limit and warning threshold, use the \"ipv6 multicast route-limit\" command.

Multicast Messages

IGMP - SSM Grp 232.44.44.233 on vlan821, Ignoring

Message NSM[2308]: [IGMP-DECODE] : SSM Grp 232.44.44.233 on
vlan821, Ignoring

Severity warning/4

Explanation An IGMPv2 report with an SSM destination address has been received on an interface which does not have `ip igmp` configured on it (when the switch is not set up with SSM mapping)

Recommended Action An IGMPv2 report with an SSM destination address has been received on an interface which does not have `ip igmp` configured on it (when the switch is not set up with SSM mapping)

querier->non-querier

Message NSM[<pid>]: [MLD-EVENTS] Dec Query:
Querier->Non-querier on port<port-number>

Severity info/6

Explanation The MLD status of the port has changed from querier to non-querier.

Recommended Action No action required.

NSM: Interface Messages

could not add interface to bridge

Message NSM[<pid>]: Could not add interface <port> to bridge <number>. Error value <number>

Severity err/3

Explanation This may indicate that a stack link has been connected and disconnected quickly, or that a stack link is flapping.

Recommended Action No action required. If this message occurs repeatedly, investigate whether a stack link is flapping.

NSM: Multicast Messages

igmp grp-rec deleted

Message NSM[<pid>]: [IGMP-DECODE] : Grp-rec <group> is deleted

Severity warning/4

Explanation The switch received a group report that it ignored because:

- The group reported belonged to the LAN group, ie. 224.0.0.0-224.0.0.255
- The group reported was denied by IGMP filter
- The group is in SSM range (232.x.x.x) and the record type is either MODE_IS_EXCLUDE or CHANGE_TO_EXCLUDE_MODE

Recommended Action If this is expected, no action is required. If it is unexpected, investigate the reason for receiving the group report.

igmp if clear unreg mc recs

Message NSM[<pid>]: NSM: [IGMP-EVENTS] IF Clear Unreg MC Recs:
Host-side interface for <port/aggregator> NOT FOUND!

Severity warning/4

Explanation IGMP tried to remove an 'unregistered group' entry (that is, an IGMP snooping entry triggered by the arrival of unregistered multicast data) or replace the entry with a proper IGMP registered group (triggered by a Join), but the unregistered group belongs to an interface which has lost its association with the host part IGMP interface. This message may be because an interface went down suddenly and applications such as IGMP were not yet notified.

Recommended Action Investigate why the interface went down so suddenly.

igmp if stop

Message NSM[<pid>]: NSM: [IGMP-EVENTS] IF Stop: Leave ALLHOSTS Grp Failed! Continuing ...

Severity warning/4

Explanation This message may mean that an interface went down suddenly, and applications such as IGMP were not yet notified.

Recommended Action If this message is unexpected, investigate why an interface went down so suddenly.

Message NSM[<pid>]: NSM: [IGMP-EVENTS] IF Stop: Leave ALLRTRS Grp Failed! Continuing...

Severity warning/4

Explanation This message may mean that an interface went down suddenly, and applications such as IGMP were not yet notified.

Recommended Action If this message is unexpected, investigate why an interface went down so suddenly.

Message NSM[<pid>]: NSM: [IGMP-EVENTS] IF Stop: Leave IGMPv3RTRS Grp Failed! Continuing...

Severity warning/4

Explanation This message may mean that an interface went down suddenly, and applications such as IGMP were not yet notified.

Recommended Action If this message is unexpected, investigate why an interface went down so suddenly.

Message NSM[<pid>]: NSM: [IGMP-EVENTS] IF Stop: VIF release Failed!

Severity warning/4

Explanation This message may mean that an interface went down suddenly, and applications such as IGMP were not yet notified.

Recommended Action Investigate why an interface went down so suddenly.

igmp invalid grp

Message NSM[<pid>]: [IGMP-DECODE] : Invalid Grp 0.0.0.0 on <port>

Severity warning/4

Explanation An IGMP packet has arrived on a port with an invalid group address of 0.0.0.0.

Recommended Action Identify the source of the invalid IGMP packets, and investigate why it is sending them.

igmp leave allhosts grp failed

Message NSM[<pid>]: [IGMP-EVENTS] : Leave ALLHOSTS Grp Failed! Continuing...

Severity warning/4

Explanation A multicast network event has occurred and a Leave for the IGMP ALLHOSTS group has failed.

Recommended Action No action required. If this message is unexpected, investigate multicast further.

igmp leave igmpv3rtrs grp failed

Message NSM[<pid>]: [IGMP-EVENTS] : Leave IGMPv3RTRS Grp Failed! Continuing...

Severity warning/4

Explanation A multicast network event has occurred and a Leave for the IGMP IGMPv3RTRS group has failed.

Recommended Action No action required. If this message is unexpected, investigate multicast further.

igmp message ttl not 1

Message NSM[<pid>]: [IGMP-DECODE] : IGMP message recvd with TTL <number> (!= 1), Discarding message

Severity warning/4

Explanation An IGMP packet arrived at the switch, but the value in the TTL field of the packet was not 1. The standard requires that IGMP packets should always have TTL=1. This was an invalid packet, and the switch discarded it.

Recommended Action Investigate why a host or hosts on the network sent these invalid IGMP packets.

igmp non-local source

Message NSM[<pid>]: [IGMP-DECODE] : Non-local Source
<ip-address> on vlan<vid>, Ignoring

Severity warning/4

Explanation An IGMP message (for example, a Report or Leave message) has been received on the specified VLAN. The specified source IP address is not part of the IP subnet configured on the VLAN. Because IGMP is a layer-2 protocol, an IGMP message from an IP subnet other than the directly connected one is only seen when there is a host or network node misconfiguration, or a host attempting IP spoofing.

Recommended Action Find the host that sent the IGMP packet and correct the configuration or eliminate it from the network. It will be attached via a port in the specified VLAN.

igmp: can not find nsm interface

Message NSM[<pid>]: [IGMP-DECODE] : Can not find NSM interface
for ifindex <interface-index>

Severity err/3

Explanation The specified interface index could not be found when IGMP tried to send a multicast packet.

Recommended Action If you had expected the interface index to be found, then investigate why it was not.

igmp: network is down

Message NSM[<pid>]: [IGMP-ENCODE] : sendto() failed on port<port>: Network is down(<number>)

Severity err/3

Explanation The specified port was down when IGMP tried to send a packet.

Recommended Action If this is intended, no action is required. Otherwise, investigate why the port went down, and restore it to the UP state.

igmp: vif release failed

Message NSM[<pid>]: [IGMP-EVENTS] : VIF release Failed!

Severity warning/4

Explanation This message may mean that an interface went down suddenly, and applications such as IGMP were not yet notified.

Recommended Action Investigate why an interface went down so suddenly.

mld socket read

Message NSM[<pid>]: [MLD-DECODE] Socket Read: No MLD-IF for interface <interface>

Severity warning/4

Explanation The switch received an MLD message on an interface that has both MLD and MLD snooping disabled.

Recommended Action No action required.
If this message is repeated, or if you have reason to be suspicious, consider identifying the device that sent the MLD messages.

port down

Message NSM[<pid>]: Port down notification received for port <interface>

Severity warning/4

Explanation The state of the specified interface went from UP to DOWN.

Recommended Action If this was intended, no action is required. Otherwise investigate why the interface went down:

- Was a port unplugged?
- Did the device at the other end of the link go down?

port up

Message NSM[<pid>]: Port up notification received for <interface>

Severity warning/4

Explanation The state of the specified interface went from DOWN to UP.

Recommended Action No action required.

NSM: VRRP messages

vrrp error: can't set pktinfo

Message NSM[<pid>]: VRRP Error: Can\'t set pktinfo:

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

vrrp transition to backup

Message NSM[<pid>]: VRRP Event: Transition to BACKUP state for <number>/<number>/vlan<vid>

Severity warning/4

Explanation The VRRP device transitioned to BACKUP state for the specified VLAN. This was likely to be caused by a network event.

Recommended Action Investigate the network event that caused this VRRP transition.

Message NSM[<pid>]: VRRP Event: Virtual-router <vrid> transition to BACKUP state

Severity warning/4

Explanation The VRRP device transitioned to BACKUP state for the specified virtual router. This was likely to be caused by a network event.

Recommended Action Investigate the network event that caused this VRRP transition.

vrrp transition to initialize

Message NSM[<pid>]: VRRP Event: Virtual-router <number>/<number>/vlan<vid> transition to INITIALIZE state

Severity warning/4

Explanation The VRRP device transitioned to INITIALIZE state for the specified VLAN. This was likely to be caused by a network event.

Recommended Action Investigate the network event that caused this VRRP transition.

vrrp transition to master

Message NSM[<pid>]: VRRP Event: Transition to MASTER state for <number>/<number>/vlan<vid>

Severity warning/4

Explanation The VRRP device transitioned to MASTER state for the specified VLAN. This was likely to be caused by a network event.

Recommended Action Investigate the network event that caused this VRRP transition.

Message NSM[<pid>]: VRRP Event: Virtual-router <vrid>
transition to MASTER state

Severity warning/4

Explanation The VRRP device transitioned to MASTER state for the specified virtual router.
This was likely to be caused by a network event.

Recommended Action Investigate the network event that caused this VRRP transition.

Stacking Messages

silicon-profile

Message NSM [<vid>]: Stack member <id> needs to be restarted so that it uses the stack master\'s silicon-profile

Severity err/3

Explanation The backup VCStack member detected that it was using a different silicon-profile to the master. All stack members must use the same silicon profile.

Recommended Action Restart the stack. (The config file must be synchronized across the stack members/cards, but this should occur automatically.)

Message Card <CFC-number> needs to be restarted so that it uses the active CFC\'s silicon-profile.

Severity crit/2

Explanation This Control Fabric Card (CFC) card detected that it was using a different silicon-profile to the active CFC.

Recommended Action The CFC should reboot automatically - check that this occurs. The card may not be rebooted if its flash file system is almost full. In this case, remove unnecessary files from the flash file system.

Message [Member|Card] <number> using different silicon-profile - the [stack|chassis] needs to be restarted to use the new silicon-profile.

Severity crit/2

Explanation When a slave or card has a different silicon profile to the master/active CFC, the system may not forward traffic in a reliable manner because some hardware table sizes may vary between stack members/cards.

Recommended Action If it has not already occurred, reboot the stack/chassis to make sure all stack members/cards use the same silicon-profile settings. (The config file must be synchronized across the stack members/cards, but this should occur automatically).

Topology Messages

epsr skipped forwarding

Message EPSR skipped forwarding because loop protection is blocking and has higher priority (port = <port>, vid = <vid>)

Severity warning/4

Explanation EPSR no longer needed to block the port, but it stayed blocked by loop protection, which had higher priority.

Recommended Action If this is intended behaviour then no action is required.
To check which protocol is set as the highest priority for blocking, use the `\show port-vlan-forwarding-priority\` command.
To change the priority setting, use the `\port-vlan-forwarding-priority\` command.

loop-protection skipped forwarding

Message Loop-protection skipped forwarding because EPSR is blocking and has higher priority (port = <port>, vid = <vid>)

Severity warning/4

Explanation Port protection no longer needed to block the port, but it remained blocked by EPSR, which had higher priority.

Recommended Action If this is intended behaviour then no action is required.
To check which protocol is set as the highest priority for blocking, use the `\show port-vlan-forwarding-priority\` command.
To change the priority setting, use the `\port-vlan-forwarding-priority\` command.

NTP (ntpd)

This chapter contains log messages generated by the Network Time Protocol (NTP) program ntpd.

- *"Internal Messages"* on page 508
- *"Network Time Messages"* on page 509
- *"NTP Messages"* on page 510

Internal Messages

address already in use

Message ntpd[2505]: bind() fd 19, family 2, port 123, addr 0.0.0.0, in_classd=0 flags=8 fails: Address already in use
ntpd[2505]: bind() fd 19, family 10, port 123, addr ::, in6_is_addr_multicast=0 flags=0 fails: Address already in use
ntpd[2505]: bind() fd 19, family 2, port 123, addr 127.0.0.1, in_classd=0 flags=0 fails: Address already in use
ntpd[2505]: bind() fd 19, family 2, port 123, addr 172.80.1.5, in_classd=0 flags=8 fails: Address already in use

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Network Time Messages

ntpd <version> <date>

Message ntpd 4.2.0@1.1161-r Thu Apr 24 02:39:15 NZST 2008 (1)

Severity Notice/5

Explanation The Network Time Protocol (NTP) feature restarted after being reset.

Recommended Action No action required.

reset time

Message ntpd[2187]: time reset <seconds> s

Severity Notice/5

Explanation NTP reset the system time by the specified number of seconds.

Recommended Action No action required.

time reset

Message time reset <+/-seconds> s

Severity Notice/5

Explanation The system time was reset by the specified time.

Recommended Action No action required.

NTP Messages

exiting on signal 15

Message ntpd 4.2.0@1.1161-r Wed Jan 16 16:11:22 NZDT 2008 (1)
ntpd exiting on signal 15

Severity Notice/5

Explanation The NTP (Network Time Protocol) process starts up when the switch boots, and then exits soon after if the configuration script does not include the "ntp peer" command. This message may also occur when the NTP configuration is changed, or when an IP address is added or changed for an interface.

Recommended Action If the Network Time Protocol is not intended to be running on the switch, no action is required. If the configuration is intended to enable NTP ("ntp peer" command), and this message is generated, check that NTP is running (e.g., "show ntp associations" command).

openais

This chapter contains messages generated by the internal program openais.

- *"Exception Core Dump File Messages"* on page 512
- *"Internal Messages"* on page 513
- *"VCStack Messages"* on page 546

Exception Core Dump File Messages

coredump file sync done

Message openais: Coredump file sync done.

Severity alert/1

Explanation A problem may have occurred in a software component. A module has terminated, and a coredump file has been created, to capture software state at the time of the termination.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command and any recently created core dump files.

waiting for coredump file sync

Message openais: Waiting for coredump file sync.

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Internal Messages

011r(0) ip (<ip-address>)

Message openais: [CLM] \\11r(0) ip(<ip-address>)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

ais executive exiting with status -16

Message openais: restarting node node-<node-id>

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [MAIN] AIS Executive exiting with status -16
at amfnode.c:448.

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

ais executive service release

Message openais: [MAIN] AIS Executive Service RELEASE
\\\'subrev 1358 version 0.81\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

ais executive service: started and ready

Message openais: [MAIN] AIS Executive Service: started and ready to provide service.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

ais failed assertion

Message openais: [AMF] AIS Failed assertion at
/home/maker/daily/openais/exec/amfsu.c:783

Severity emerg/0

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

all si assigned

Message openais: [AMF] All SI assigned

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

amf synchronisation ready, starting cluster

Message openais: [AMF] AMF synchronisation ready, starting cluster

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

amf_node_leave called

Message openais: [AMF] amf_node_leave called in state = 12 (should have been deferred)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

amf_node_sync_ready was called = 10 (will be defer

Message openais: [AMF] amf_node_sync_ready() was called in state = 10 (will be deferred)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

amf_node_sync_ready() was called

Message openais: [AMF] amf_node_sync_ready() was called in state = 10 (should have been deferred)

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

cannot defer node

Message openais: [AMF] Cannot defer node \'node-<node-id>\' failover (safe ACSM state 3)

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

can't find cluster node

Message openais: [EVT] Can\\\'t find cluster node at no interface found for nodeid

Severity warning/4

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

cluster: all applications started

Message openais: [AMF] Cluster: all applications started, assigning workload.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

cluster: application net assigned

Message openais: [AMF] Cluster: application net assigned.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [AMF] Cluster: application net assigned.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

comp cleanup timeout

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'authd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'bgpd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'cntrd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'epsrd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'hostd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\ 'imi\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\ 'irdpd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\ 'lacpd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'mstpd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'nsm\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'ospfd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\ ' 'pdmd\ '

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\ ' 'pimd\ '

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\ ' 'ripd\ '

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' 'ripngd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' 'rmond\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' 'snmpd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp cleanup timeout after 10000 ms
'sw-1\' \'vrrpd\'

Severity err/3

Explanation Internal software audit trace.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: [AMF] Comp instantiate timeout after 10000
ms 'sw-1\' \'snmpd\'

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

component node exited

Message openais: component node-<node-id>:exfx exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: component node-<node-id>:hsl exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: component node-<node-id>:mstpd exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: component node-<node-id>:nsm exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: component node-<node-id>:openhpid exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: component node-<node-id>:snmpd exited

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

component restart recovery finished

Message openais: [AMF] Component restart recovery finished

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

copyright

Message openais: [MAIN] Copyright (C) 2002-2006 MontaVista Software, Inc and contributors.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [MAIN] Copyright (C) 2006-2007 Red Hat, Inc.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

disabling flow control

Message openais: [IPC] Disabling flow control [404/1400] - [0].

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

enabling flow control

Message openais: [IPC] Enabling flow control [1601/2000] - [0].

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [IPC] Enabling flow control [401/1400] - [0].

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

entering operational state

Message openais: [TOTEM] entering OPERATIONAL state.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

failover node for node - recovery action started

Message openais: [AMF] \'Failover node\' for node node-<node-id> recovery action started

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

failover node for safe recovery action finished

Message openais: [AMF] Failover node for safe recovery action finished

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

failover su - recovery action started

Message openais: [AMF] \'Failover SU\' for safSu=sw-1,safSg=safe,safApp=net recovery action started

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

failover su recovery action finished

Message openais: [AMF] \'safSu=sw-1,safSg=safe,safApp=net\'
Failover SU recovery action finished

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

got joinlist message from node

Message openais: [CPG] got joinlist message from node -
<number>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

healthcheck timed out for node

Message openais: healthcheck timed out for node-<node-id>:exfx

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \'show tech-support\' command.

Message openais: healthcheck timed out for node-<node-id>:ospfd

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: healthcheck timed out for node-<node-id>:pimd

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: healthcheck timed out for node-<node-id>:snmpd

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

initialising service handler openais

Message openais: [SERV] Initialising service handler
\\\'openais availability management framework
B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais checkpoint service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais cluster closed process group service
v1.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais cluster membership service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais configuration service\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais distributed locking service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais event service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais extended virtual synchrony service\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Initialising service handler
\\\'openais message service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

lib response: invocation not found

Message openais: [AMF] Lib response: invocation not found

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

library queue is full

Message openais: [IPC] Library queue is full, disconnecting library connection.

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

members joined

Message openais: [CLM] Members Joined:

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [CLM] Members Left: - prior to this log entry, openais logger dropped <number> messages because of overflow.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

members left

Message openais: [CLM] Members Left:

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

no interface found for nodeid

Message openais: [CLM] \\011no interface found for nodeid

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

node - all applications started, assigning workloa

Message openais: [AMF] Node=node-<node-id>: all applications started, assigning workload.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

node - all workload assigned

Message openais: [AMF] Node=node-<node-id>: all workload assigned

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

node - sync ready, starting hosted sus

Message openais: [AMF] Node=node-<nodeI-id>: sync ready, starting hosted SUs.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

node is within the primary component

Message openais: [SYNC] This node is within the primary component and will provide service.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

openais component loaded

Message openais: [SERV] openais component openais_amf loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_cfg loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_ckpt loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_clm loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_cpg loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_ews loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_evt loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_lck loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] openais component openais_msg loaded.

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

registering service handler openais

Message openais: [SERV] Registering service handler
\\\'openais availability management framework
B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais checkpoint service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais cluster closed process group service
v1.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais cluster membership service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais configuration service\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais distributed locking service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais event service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais extended virtual synchrony service\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message openais: [SERV] Registering service handler
\\\'openais message service B.01.01\\\'

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

restarting component

Message openais: restarting component :ospfd

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message openais: restarting component :pimd

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

successfully read amf configuration file

Message openais: [AMF] Successfully read AMF configuration file \`<file_path_name>`'.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

successfully read main configuration file

Message openais: [MAIN] Successfully read main configuration file \`<file_path_name>`'.

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

[totem] failed to receive

Message openais: [TOTEM] FAILED TO RECEIVE

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \`"show tech-support"` command.

VCStack Messages

vcs learning critically oversubscribed - restart

Message openais: IPC[<pid>]: VCS learning critically oversubscribed (IPC dead) - restart the unit immediately

Severity crit/2

Explanation On a VCStack, this message occurs because a great many MAC-table updates have occurred, and the notification process between the stack members has become overloaded. Therefore, keepalive messages between the stack members stop being communicated until the stack is rebooted. The switch will reboot itself within 15 minutes.

Recommended Action Capture the output from the `"show tech-support"` command, then reboot the stack.
Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

vcs learning critically oversubscribed - rebooting

Message openais: [IPC<pid>] VCS learning critically oversubscribed (IPC dead) - rebooting

Severity crit/2

Explanation On a VCStack, this message occurs because approximately 15 minutes earlier, a great many MAC-table updates occurred, and the notification process between the stack members became overloaded. Therefore, keepalive messages between the stack members stopped being communicated until the stack is rebooted. The switch is now rebooting itself to restore communication between stack members.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

openVPN

- *"Authentication Messages"* on page 549
- *"Encryption Messages"* on page 552
- *"Internal Messages"* on page 553
- *"OpenVPN Messages"* on page 554

Authentication Messages

authenticating user

Message openvpn[<pid>]: PLUGIN AUTH-RADIUS: Authenticating user <username> with VLAN ID <id>

Severity Notice/5

Explanation A connecting openVPN user is being authenticated by the RADIUS server

Recommended Action No action required.

no authentication servers

Message openvpn[<pid>]: PLUGIN AUTH-RADIUS: No authentication servers could be reached

Severity err/3

Explanation The openVPN server could not reach any RADIUS servers to perform authentication.

Recommended Action Ensure that the RADIUS server is configured correctly and reachable from the device.

plugin auth-radius: ... authentication

Message openvpn[<pid>]: PLUGIN AUTH-RADIUS: <username>
Authentication SUCCESS (RC=0)
openvpn[<pid>]: PLUGIN AUTH-RADIUS: <username>
Authentication FAILURE (RC=1)

Severity Notice/5

Explanation The message indicates whether or not the openVPN user was successfully authenticated by the RADIUS server.

Recommended Action If the authentication was successful, no action is required.
If the authentication failed repeatedly, check that the username and password are correct in RADIUS configuration.

unable to allocate memory

Message openvpn[<pid>]: PLUGIN AUTH-RADIUS: Unable to allocate
memory for radius plugin

Severity err/3

Explanation There was insufficient memory available to perform RADIUS authentication.

Recommended Action If the message only occurs once, no action is required.
If the message recurs, or there are other indications of the device not operating correctly, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

username/password verification failed

Message openvpn[<pid>]: <ipv6-addr> TLS Auth Error: Auth Username/Password verification failed for peer

Severity err/3

Explanation The OpenVPN client failed to authenticate due to incorrect credentials.

Recommended Action Check that the client uses the correct login credentials, and that the username/password of the client are correct in the authentication server settings.

Encryption Messages

tls keys are out of sync

Message openvpn[<pid>]: <ipv6-addr> TLS Error: local/remote TLS keys are out of sync: [AF_INET6]<ipv6-addr> [0]

Severity err/3

Explanation The device failed to decrypt data in the TLS channel due to incorrect TLS keys. This is usually a result of failed higher-layer authentication, e.g., RADIUS.

Recommended Action Make sure the client has a correct certificate installed and uses the correct username/password for authentication.

Internal Messages

peer connection initiated

Message openvpn[<pid>]: <ipv6-addr> Peer Connection Initiated
with <client-common-name>

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

OpenVPN Messages

client ... connected

Message openvpn[<pid>]: Client [<username>] connected

Severity info/6

Explanation The openVPN client connected to the server.

Recommended Action No action required.

client ... disconnected

Message openvpn[<pid>]: Client [<username>] disconnected

Severity info/6

Explanation The openVPN client disconnected from the server.

Recommended Action No action required.

OSPF

This chapter contains messages generated by the OSPF (Open Shortest Path First) program.

- *"Feature Licence Messages"* on page 556
- *"Internal Messages"* on page 559
- *"IPsec Messages"* on page 563

Feature Licence Messages

feature licence is active

Message OSPF [<pid>]: SFL: [ospfd] LicenceCheck: OSPF-64 is active

Severity info/6

Explanation An OSPF-64 software feature licence is available.

Recommended Action No action required.

Message OSPF [<pid>]: SFL: [ospfd] LicenceCheck: OSPF-FULL is active

Severity info/6

Explanation An OSPF-FULL software feature licence is available.

Recommended Action No action required.

feature license not available

Message OSPF [<pid>]: Feature license is not available for OSPF.

Severity err/3

Explanation This feature requires a software feature licence. The switch does not have a licence enabled.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the \"show license\" command. To enable a feature licence, use the \"licence\" command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

licence check returns success

Message OSPF [<pid>]: SFL: [ospfd] LicenceCheck: returns Success.

Severity info/6

Explanation The software feature licences required to run OSPF are available.

Recommended Action No action required.

network mask mismatch

Message OSPF [<pid>]: RECV[Hello]: From <ip-address> via <vlan>:<vlan-interface-ip-address>: NetworkMask mismatch

Severity warning/4

Explanation The network mask reported in an OSPF Hello message received from the neighbour does not match the netmask of the local interface on which the Hello message was received. The OSPF neighbour relationship cannot become established while the netmasks are mismatched.

Recommended Action Change the netmask of either the local switch or the neighbour so that they match.

ospf max routing limit changed

Message OSPF [<pid>]: SFL: OSPF: max routing limit changed - restarting program!

Severity warning/4

Explanation A software feature licence allowing a higher number of OSPF routes was removed or expired, leaving a licence for fewer routes. OSPF restarted with the new lower limit applied.

Recommended Action If this was intended, no action is required. If the higher number of routes is required, re-install a licence for the higher number, or contact your authorised Allied Telesis distributor or reseller.

Internal Messages

agentx

Message OSPF [<pid>]: AgentX: parse, a length of packet (0) is too short

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: AgentX: process_packet, parse fail

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: Can\'t read AgentX packet: Connection reset by peer, connection closed: 9

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: AgentX: read connection (sock <socket-number>) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck/response failed

Message OSPF [<pid>]: AIS (amf_default_csi_set_cb:538)
saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message OSPF [<pid>]: Component <component-name> requested to
enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message OSPF [<pid>]: Component <component-name> requested to enter hastate SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message OSPF [<pid>]: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ospfd starts

Message OSPF [<pid>]: OSPFd (<version-number>) starts

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

IPsec Messages

sa is not found

Message Received IPSEC packet: SA is not found.
dest_addr=<ipv6-addr>, ifindex=<ifindex> spi=<spi>

Severity info/6

Explanation A Security Association (SA) was not found for an incoming IPsec packet. This may be because the SPI of the packet did not match an SPI configured in IPsec on the device. This may be because the IPsec peer is configured with a different SPI. This message is generated for OSPFv3 encrypted/authenticated messages.

Recommended Action If the packet was sent from an unwanted source, consider identifying the source device.
If such packets should result in a matching SA, change the IPsec configuration of either this device or the IPsec peer device so that the SPIs match ('area encryption ipsec spi esp' command).

PIM-DM

This chapter contains messages generated by the PIM-DM (PIM Dense Mode) program.

- *"Feature Licence Messages"* on page 565
- *"Internal Messages"* on page 566
- *"Licensing Messages"* on page 568

Feature Licence Messages

feature license not available

Message Feature license is not available for PIM-DM.

Severity err/3

Explanation This feature requires a software feature licence. The switch does not have a licence enabled.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the `\show license\` command. To enable a feature licence, use the `\licence\` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

pim6 is active

Message SFL: [pdmd] LicenceCheck: PIM6 is active

Severity info/6

Explanation A PIM6 software feature licence is available.

Recommended Action No action required.

Internal Messages

ais response/healthcheck failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate sa_amf_active

Message Component<component-name> requested to enter hastate
SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate sa_amf_ha_sta

Message Component<component-name> requested to enter hastate
SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

parse error

Message PIM-DM: Parse error for message Link Up

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Licensing Messages

licence check returns success

Message SFL: [pdmd] LicenceCheck: returns Success.

Severity info/6

Explanation The software feature licence required to run PIM-DM is available.

Recommended Action No action required.

PIM-SM

This chapter contains messages generated by the PIM-SM (PIM Sparse Mode) program.

- *"Feature Licence Messages"* on page 570
- *"Internal Messages"* on page 572

Feature Licence Messages

feature license not available

Message Feature license is not available for PIM-SM.

Severity err/3

Explanation This feature requires a software feature licence. The switch does not have a licence enabled.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the `\show license\` command. To enable a feature licence, use the `\licence\` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

licencecheck: returns success

Message SFL: [pimd] LicenceCheck: returns Success.

Severity info/6

Explanation The software feature licences required to run PIM are available.

Recommended Action No action required.

pim is active

Message SFL: [pimd] LicenceCheck: PIM is active

Severity info/6

Explanation A PIM software feature licence is available.

Recommended Action No action required.

Internal Messages

agentx

Message Can\'t read AgentX packet: Connection reset by peer, connection closed: 10

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx ping retries

Message AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx requested pdu

Message AgentX: requested pdu : 2

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: read connection closed

Message AgentX: read, connection (sock 9) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message Component<component-name> requested to enter hastate
SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message Component<component-name> requested to enter hastate
SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

sendto fail

Message sendto fail: No buffer space available

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Pluggable Manager

- *"Hardware Support Messages" on page 577*

Hardware Support Messages

not supported

Message plugman [<pid>]: <portname> - 10Gb SFP+ in 1Gb SFP port not supported. Please remove.

Severity crit/2

Explanation A 10Gb SFP+ module was inserted in a 1Gb SFP port that does not support it.

Recommended Action Replace the unsupported SFP module with a supported module.

Message plugman [<pid>]: <portname> - 1Gb SFP in 10Gb SFP+ port not supported. Please remove.

Severity crit/2

Explanation An 1Gb SFP module was inserted in a 10Gb SFP+ port that does not support it.

Recommended Action Replace the unsupported module with a supported module.

POE

This chapter contains messages generated by the Power over Ethernet (PoE) program on the switch.

- *"Internal Messages"* on page 579
- *"Power over Ethernet Messages"* on page 580

Internal Messages

pd disconnected

Message POE [<pid>]: PD disconnected from <port>

Severity Notice/5

Explanation A device that was being powered has now been disconnected or stopped requesting power on this port.

Recommended Action No action required.

Power over Ethernet Messages

non-802.3af device detected

Message POE [<pid>]: Non-802.3af device detected on <port>.

Severity Notice/5

Explanation Either:

- the device connected to the port does not support Power over Ethernet, or
- the device supports only the legacy standard of PoE (pre-802.3af), and the port is configured to only support devices using the IEEE 802.3af Power Ethernet standard (no power-inline allow-legacy command).

Recommended Action If the device supports a legacy PoE standard, consider whether to allow the switch to support it (power-inline allow-legacy command). Otherwise, consider disabling PoE for this port.

overheated chip or port

Message POE [<pid>]: Overheated chip or port detected on <port>. Power has been removed

Severity warning/4

Explanation The port or chip at the specified port overheated. The device has removed PoE power from the port.

Recommended Action Check whether the overheated powered PoE port is connected to another powered PoE port (e.g. resiliency links on stacked PoE devices). PoE does not need to be provided to both ends of such connections, so you can remove power from the overheated port by using the "no power-inline enable" command on the ports.

pd denied power

Message POE [<pid>]: Class <0-4> PD on <port> denied power

Severity Notice/5

Explanation The device connected to the port was given the specified power classification, and was not supplied with power because of either power budget constraints or switch configuration constraints.

Recommended Action If this is intended, no action is required. Otherwise, review the PoE configuration for the port (`"show power-inline interface"` command).

pd supplied power

Message POE [<pid>]: Class <0-4> PD on <port> supplied power

Severity Notice/5

Explanation The device connected to the port was given the specified power classification, and was supplied with power.

Recommended Action No action required.

power has been removed

Message POE [<pid>]: PD on <port> attempted to draw too much current. Power has been removed

Severity Notice/5

Explanation A device that was being powered has exceeded its current limit configured for port, and power has been removed.

Recommended Action If this is intended, no action is required. Otherwise, review the PoE configuration for the port (`"show power-inline interface"` command), or remove the powered device.

short circuit detected

Message POE [<pid>]: Short circuit detected on <port>. Power has been removed

Severity warning/4

Explanation A device that was being powered is now in a short circuit condition, and is no longer being powered. This most may indicate a problem with the powered device, or with the cable connecting it.

Recommended Action Check the powered device and cabling, and restore.

PPP

- *"Interface Messages"* on page 584

Interface Messages

ip is up on interface

Message IP is up on interface ppp<index> [local-IP: <IP>, remote-IP: <IP>]

Severity Notice/5

Explanation IP connectivity was established with the peer.

Recommended Action No action required.

PPPoE

PSS

This chapter includes messages generated by the internal PSS program.

- *"Command Messages"* on page 587
- *"Hardware Issue Messages"* on page 588
- *"Hardware Support Messages"* on page 590
- *"Internal Messages"* on page 591
- *"Security Messages"* on page 593

Command Messages

please wait

Message PSS<pid>: Please wait until configuration update is completed.

Severity crit/2

Explanation Configuration changes are being processed. The switch cannot process new commands until these changes are complete.

Recommended Action Do not enter any more commands until the configuration changes are complete.

Hardware Issue Messages

board in bay was removed

Message PSS<pid>: Board in bay <bay-number> was removed.

Severity crit/2

Explanation An expansion module was removed from the bay.

Recommended Action If this was intended, no action is required. If it was not intended, investigate why the hardware was removed, and restore.

boardtype removed

Message PSS<pid>: BoardType <boardtype-id> removed from Bay <bay-number>.

Severity Notice/5

Explanation An expansion module was removed from the expansion bay.

Recommended Action If this was intended, no action is required. If it was not intended, investigate why the hardware was removed, and restore.

hpi logging daemon

Message PSS<pid>: HPI Logging Daemon dying!

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Restart the device. Contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

Hardware Support Messages

board inserted

Message PSS<pid>: Board <expansion-module> inserted into bay <bay-number>

Severity crit/2

Explanation An expansion module was inserted into the expansion bay.

Recommended Action No action required.

Internal Messages

flow control disabled

Message PSS<pid>: CPG Flow control disabled after <seconds> seconds!

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

flow control has been enabled

Message PSS<pid>: CPG Flow control has been enabled for <seconds> seconds!

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

gttrunkenableport

Message gtTrunkEnablePort() Failed lport=<local-port> error=13

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

tipc

Message PSS<pid>: Could not configure the TIPC network address

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

unrecoverable error

Message PSS<pid>: Unrecoverable error in startupInitSystem,
error 2

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message PSS<pid>: Unrecoverable error occured on startup,
stopping exfx

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Security Messages

intruder

Message PSS<pid>: Port-security: End of intruder hash bucket (size 8) for Port <port-if-index>, MAC <mac-address> hash 161

Severity warning/4

Explanation Port security has been enabled on a the port, and a maximum limit has been set on the number of MACs to learn on that port. This limit has been exceeded.

Recommended Action Investigate whether an intruder has been attached to that port.

radiusd

- *"Public Key Infrastructure (PKI) Messages"* on page 595
- *"RADIUS Messages"* on page 597

Public Key Infrastructure (PKI) Messages

could not get issuer_certificate

Message EAP-TLS: Could not get issuer_certificate for <Common name>

Severity err/3

Explanation A RADIUS EAP-TLS connection failed because there is no issuer certificate in the certificate chain for the common name. An issuer certificate is necessary for OCSP certificate verification.

Recommended Action Import a valid issuer certificate and retry the connection.

extended key usage field not present

Message EAP_TLS: Extended Key Usage field not present for <Common name>

Severity err/3

Explanation The X.509 certificate provided by the TLS connection peer did not have its extendedKeyUsage field set correctly. Server certificates presented for TLS shall have the Server Authentication purpose (id-kp 1 with OID 1.3.6.1.5.5.7.3.1) in the extendedKeyUsage field. Client certificates presented for TLS shall have the Client Authentication purpose (id-kp 2 with OID 1.3.6.1.5.5.7.3.2) in the extendedKeyUsage field.

Recommended Action Verify that the X.509 certificates are correctly configured on both the RADIUS client and server, and re-attempt the connection.

ocsp indicates revoked certificate

Message EAP_TLS: OCSP indicates revoked certificate for <Common name>

Severity err/3

Explanation A RADIUS EAP-TLS connection failed because OCSP certificate verification failed for the common name.

Recommended Action Import a valid certificate to replace the certificate that was rejected, then retry the connection.

RADIUS Messages

server enable

Message [`<username>@<terminal>`]server enable

Severity Notice/5

Explanation The command to enable the local RADIUS server was executed successfully.

Recommended Action No action required.

radsecproxy

- *"RADIUS Secure Proxy Messages"* on page 599

RADIUS Secure Proxy Messages

certificate extendedkeyusage check failed

Message Certificate extendedKeyUsage check failed

Severity err/3

Explanation The X.509 certificate provided by the TLS connection peer did not have its extendedKeyUsage field set correctly. Server certificates presented for TLS shall have the Server Authentication purpose (id-kp 1 with OID 1.3.6.1.5.5.7.3.1) in the extendedKeyUsage field. Client certificates presented for TLS shall have the Client Authentication purpose (id-kp 2 with OID 1.3.6.1.5.5.7.3.2) in the extendedKeyUsage field.

Recommended Action Verify that the X.509 certificates for the RADIUS secure proxy application are correctly configured on both the RadSec client and server, and re-attempt the connection.

certificate name check failed

Message Certificate name check failed

Severity err/3

Explanation The Common Name portion of the Subject field in the X.509 certificate provided by the TLS connection peer did not match the name configured for the peer. This may indicate an incorrect certificate, an incorrect network configuration, or an attempt to spoof the certificates used for the TLS connection.

Recommended Action Verify that the X.509 certificates for the RADIUS secure proxy application are correctly configured on both the RadSec client and server. Also verify the network configuration between the client and server, and re-attempt the connection.

certificate validation failed

Message Certificate validation failed:
num=<code>:<error>;depth=<depth>;<subject>

Severity err/3

Explanation Validation of the X.509 certificate chain for a TLS connection has failed. The reason code and error string are given in <code> and <error>. <depth> indicates the position of the certificate within the certificate chain. The <subject> is the subject of the X.509 certificate that failed.

Recommended Action Verify that the X.509 certificates for the RADIUS secure proxy application are correctly configured on both the RadSec client and server, and re-attempt the connection.

tls basic validation failed

Message TLS connection from <address> (<hostname>) down

Severity info/6

Explanation A Transport Layer Security (TLS) connection from the specified RadSec client has been taken down. This may indicate a networking failure to the client.

Recommended Action Verify the network connection to the RadSec client, and verify the status of the X.509 certificates used for the RADIUS secure proxy application. The client should attempt to re-establish the connection.

Message TLS basic validation failed

Severity err/3

Explanation Validation of the X.509 certificate chain for a TLS connection has failed. There may be additional logs indicating the specific failure reason.

Recommended Action Verify that the X.509 certificates for the application using the TLS connection are correctly configured on both the client and server ends of the connection, and re-attempt the connection.

tls connection from ... established

Message TLS connection from <address> (<hostname>) established (<type>)

Severity info/6

Explanation The RADIUS secure proxy local-server application has established a connection that was initiated from the client application at the given address. If mutual authentication is enabled, <type> will indicate "verified", showing that X.509 certificate validation has passed. If mutual authentication is disabled, <type> will indicate "unverified", showing that the client certificate was not checked for validity.

Recommended Action No action required.

tls connection to ... down

Message TLS connection to <address> down

Severity info/6

Explanation A Transport Layer Security (TLS) connection to the specified RadSec server has been taken down. This may indicate a networking failure to the server.

Recommended Action Verify the network connection to the RadSec server, and verify the status of the X.509 certificates used for the RADIUS secure proxy application. The system will periodically attempt to re-establish the connection.

tls connection to ... established

Message TLS connection to <address> established

Severity info/6

Explanation A Transport Layer Security (TLS) connection to the specified RadSec server has been established.

Recommended Action No action required.

RIP

This chapter contains messages generated by the Routing Information Protocol (RIP) program.

- *"Feature Licence Messages"* on page 604
- *"Internal Messages"* on page 605

Feature Licence Messages

feature license not available

Message RIP[<pid>]: Feature license is not available for RIP - disabling RIP.

Severity warning/4

Explanation This feature requires a software feature licence. The switch does not have a licence enabled.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the `"show license"` command. To enable a feature licence, use the `"licence"` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

Internal Messages

agentx connection closed

Message Can\'t read AgentX packet: Connection reset by peer, connection closed: 9

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx ping retries

Message AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx requested pdu

Message AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: read connection closed

Message AgentX: read, connection (sock 9) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message Component<component-name> requested to enter hastate
SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message Component<component-name> requested to enter hastate
SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

RIPng

This chapter contains messages generated by the RIPng program.

- *"Feature Licence Messages"* on page 609
- *"Internal Messages"* on page 611

Feature Licence Messages

feature license not available

Message Feature license is not available for RIPng.

Severity err/3

Explanation This feature requires a software feature licence. The switch does not have a licence enabled.

Recommended Action If you do not intend to use this feature, no action is required.
If you have purchased a licence for this software feature, make sure it is enabled. To display licence information, use the `\show license\` command. To enable a feature licence, use the `\licence\` command.
If you require a licence, contact your authorised Allied Telesis distributor or reseller.

licencecheck: returns success

Message SFL: [ripngd] LicenceCheck: returns Success.

Severity info/6

Explanation The software feature licences required to run RIPng are available.

Recommended Action No action required.

ripng is active

Message SFL: [ripngd] LicenceCheck: RIPNG is active

Severity info/6

Explanation A RIPNG software feature licence is available.

Recommended Action No action required.

Internal Messages

ais healthcheck start failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message Component<component-name> requested to enter hastate
SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

RMON

This chapter contains messages generated by the Remote Monitoring (RMON) program.

- *"Interface Messages"* on page 614
- *"Internal Messages"* on page 615

Interface Messages

port down notification

Message Port down notification received for port <port>

Severity info/6

Explanation The Remote Monitoring feature has received notification that the port has gone down.

Recommended Action If this was intended, no action is required. If it was not intended, investigate why, and restore the link.

Internal Messages

agentx ping retries

Message (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx requested pdu

Message AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx: read connection closed

Message AgentX: read, connection (sock 9) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ais saamfresponse failed

Message AIS (amf_default_csi_set_cb:538) saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message Component<component-name> requested to enter hastate
SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

Message Component<component-name> requested to enter hastate
SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

root

This chapter contains messages generated by the operating system root.

- *"Startup Messages"* on page 619

Startup Messages

backup release booted

Message WARNING: Backup release booted

Severity crit/2

Explanation The switch has booted with the backup software release.

Recommended Action Investigate why the configured boot release was not used, and resolve.
To display the current boot configuration, use the \"show boot\" command.
To list files in the file system, use the \"dir\" command.
To see the memory usage, use the \"show file systems\" command.

RPC (rpc.statd)

This chapter contains messages generated by the internal RPC program.

- *"Internal Messages"* on page 621

Internal Messages

gethostbyname

Message gethostbyname error for <host>

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

statd running as root

Message statd running as root. chown /var/lib/nfs/sm to choose different user

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

unable to register

Message unable to register (statd, 1, tcp).

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message unable to register (statd, 1, udp).

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

unregistering and exiting

Message Caught signal 15, un-registering and exiting.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

version

Message Version <version> Starting

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

rsyncd

This chapter contains messages generated by the internal VCStack Synchronisation program rsyncd.

- *"Internal Messages"* on page 624
- *"Memory Message"* on page 626

Internal Messages

connection unexpectedly closed

Message rsyncd [<pid>]: rsync: connection unexpectedly closed (<number-of-bytes> bytes received so far) [generator]

Severity warning/4

Explanation Internal software audit trace related to file system synchronisation between VCStack members.

Recommended Action No action required.

rsync error

Message rsyncd [<pid>]: rsync error: error in rsync protocol data stream (code 12) at io.c(453) [generator=<port>]

Severity warning/4

Explanation Internal software audit trace related to file system synchronisation between VCStack members.

Recommended Action No action required.

Message rsyncd [<pid>]: rsync error: error in rsync protocol data stream (code 12) at io.c(604) [receiver=<port>]

Severity warning/4

Explanation Internal software audit trace related to file system synchronisation between VCStack members.

Recommended Action No action required.

Message rsyncd [<pid>]: rsync: read error: Connection reset by peer (104)

Severity warning/4

Explanation Internal software audit trace related to file system synchronisation between VCStack members.

Recommended Action No action required.

Memory Message

failed to set times

Message rsyncd [<pid>]: rsync: failed to set times on
\"/flash/.configs/core-file-size\" (in root): No
space left on device (28)\"

Severity warning/4

Explanation A problem occurred when trying to synchronise the file system between
VCStack members, because Flash memory was full.

Recommended Action Delete unnecessary files from Flash memory to provide space.

sFlow (sflowd)

This chapter contains messages generated by the sFlow (sflowd) program

- *"sFlow Messages"* on page 628

sFlow Messages

error: creating nsm client

Message sflow <pid>: Error: Creating nsm client

Severity err/3

Explanation The sFlow client daemon has failed to start up correctly.

Recommended Action Attempt to restart the sFlow client by using the `"sflow enable"` command or restart the device.
If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

failed to create sflow state

Message sflow <pid>: Failed to create sflow state

Severity err/3

Explanation The sFlow client daemon has failed to start up correctly. This may result from lack of system memory.

Recommended Action Check system memory (`"show memory"` command).
Attempt to restart the sFlow client by using the `"sflow enable"` command.
Restart the device.
If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command.

failed to create the sflow agent instance

Message sflow <pid>: Failed to create the sFlow agent instance

Severity err/3

Explanation The sFlow client daemon has failed to start up correctly. This could result from insufficient system memory.

Recommended Action Check system memory (`\show memory\` command).
Attempt to restart the sFlow client by using the `\sflow enable\` command.
Restart the device.
If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

failed to get collector address

Message sflow <pid>: `\show sflow\` - Failed to get collector address

Severity err/3

Explanation When the `\show sflow\` command was used, the device was unable to retrieve and display the collector address. This may be because it was not configured.

Recommended Action Configure the collector address by using the `\sflow collector\` command.

failed to get collector port

Message sflow <pid>: `\show sflow\` - Failed to get collector port

Severity err/3

Explanation When the `\show sflow\` command was used, the device was unable to retrieve and display the port number for the collector port. This may be because it was not configured.

Recommended Action Configure the collector port by using the `\sflow collector\` command.

failed to get max datagram size

Message sflow <pid>: \"show sflow\" - Failed to get max datagram size

Severity err/3

Explanation When the \"show sflow\" command was used, the device was unable to retrieve and display the max datagram size for the collector port. This may be because it was not configured.

Recommended Action Configure the max datagram size for the collector port by using the \"sflow collector max-datagram-size\" command.

failed to initialise recv samples socket

Message sflow <pid>: Failed to initialise recv samples socket

Severity err/3

Explanation The sFlow client daemon has failed to start up correctly. This could be caused by lack of system memory.

Recommended Action Check system memory (\"show memory\" command).
Attempt to restart the sFlow client by using the \"sflow enable\" command.
Restart the device.
If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

failed to initialise sflow global config

Message sflow <pid>: Failed to initialise sFlow global config

Severity err/3

Explanation The sFlow client daemon has failed to start up correctly. This could be because of lack of system memory.

Recommended Action Check system memory (`\show memory\` command).
Attempt to restart the sFlow client by using the `\sflow enable\` command.
Restart the device.
If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

unable to create receiver table entry

Message sflow <pid>: Unable to create receiver table entry

Severity err/3

Explanation The sFlow client daemon has failed to start up correctly.

Recommended Action Attempt to restart the sFlow client by using the `\sflow enable\` command, or restart the device, then reconfigure sFlow.
If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

unable to get receiver's collector address

Message sflow <pid>: Unable to get receiver\'s collector address

Severity err/3

Explanation sFlow was unable to retrieve the collector address from the configuration. Without the collector address, it cannot send the data it gathers to the sFlow collector.

Recommended Action Check the configured sFlow collector address (show sflow command), and set it to the correct address by using the command:
awplus# sflow collector ip <collector-ip-address>

unable to set sample rate in hardware

Message sflow <pid>: Unable to set sample rate in hardware

Severity err/3

Explanation The sFlow agent did not set the sample rate in the hardware.

Recommended Action Attempt to restart the sFlow client by using the \"sflow enable\" command, or restart the device, then reconfigure sFlow. If this fails, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

unable to write sflow agent address

Message sflow <pid>: Unable to write sFlow agent address to config: Unknown address type

Severity err/3

Explanation The format of the agent address entered was neither IPv4 nor IPv6 format.

Recommended Action Configure the sFlow agent address with a standard IPv4 or IPv6 format address.

unable to write sflow collector address

Message sflow <pid>: Unable to write sFlow collector address to config: Unknown address type

Severity err/3

Explanation The collector address entered was not in standard IPv4 or IPv6 format.

Recommended Action Configure the sFlow collector address with a standard IPv4 or IPv6 address.

SNMP (snmpd)

This chapter contains messages generated by the Simple Network Management Protocol (SNMP) program.

- *"Internal Messages"* on page 635
- *"SNMP Messages"* on page 636

Internal Messages

could not create socket

Message snmpd <pid>: could not create socket

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

error on subcontainer

Message snmpd <pid>: error on subcontainer \'ia_addr\' insert (-1)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

name or service not known

Message snmpd <pid>: getaddrinfo: Name or service not known

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

SNMP Messages

failure in sendto

Message snmpd: send_trap: Failure in sendto (Network is unreachable)

Severity err/3

Explanation The switch failed to send an SNMP notification (trap), because the trap host IP address was on a network that was unreachable.

Recommended Action Check that the IP address configured for the trap host ("snmp-server host" command, "show ??" command) is correct.
Investigate why the network was unreachable.

request for a mib object which is not supported

Message <mib-group> node <mib-node> not implemented: skipping

Severity err/3

Explanation A remote SNMP manager has sent a request for a MIB object which is not supported on the switch.

Recommended Action No action required.

snmp packet from illegal server

Message Received SNMP Packet from illegal server <ip-address>

Severity err/3

Explanation An SNMP request from the specified IP address failed authentication. If a trap host is configured, the authenticationFailure notification will normally also be sent.

Recommended Action No action required. If the message recurs or there is reason to be suspicious, consider identifying the source.

Spanning tree (MSTP)

This chapter contains messages generated by MSTP. The CIST in these messages is the default spanning tree instance. For STP and RSTP, it is the only spanning tree instance; for MSTP, all VLANs that are not members of any other MSTI are members of the CIST. For more information about spanning trees on the switch, see the following chapters in the Software Reference: Spanning Tree Introduction: STP, RSTP, and MSTP and Spanning Tree Commands.

- *"Interface Messages"* on page 639
- *"Internal Messages"* on page 641
- *"Spanning Tree Messages"* on page 644

Interface Messages

cist root changed

Message MSTP[<pid>]: CIST root changed:
<previous-root-bridge-priority>:<previous-root-bridge-mac-address>-><new-root-bridge-priority>:<new-root-bridge-mac-address>

Severity Notice/5

Explanation A new root bridge has been selected for the CIST. For MSTP, the CIST is the default MSTI; for STP and RSTP, the CIST is the only spanning tree instance.

Recommended Action Confirm that the specified root bridge is consistent with the expected xSTP topology. Repeated occurrences may indicate instability in the network.

port down notification

Message MSTP[<pid>]: Port down notification received for port <port>

Severity info/6

Explanation MSTP has received notification that the port has gone down. This may result in a topology change.

Recommended Action If this is intended, no action is required. Otherwise, investigate why the port went down.

port up notification

Message MSTP[<pid>]: Port up notification received for port <port>

Severity info/6

Explanation MSTP has received notification that the port has come up. This may result in a topology change.

Recommended Action No action required.

Internal Messages

agentx

Message MSTP[<pid>]: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message MSTP[<pid>]: AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

Message MSTP[<pid>]: AgentX: read, connection (sock 10) closed: length is zero

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck/response failed

Message MSTP[<pid>]: AIS (amf_default_csi_set_cb:538)
saAmfResponse failed 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Message MSTP[<pid>]: AIS healthcheck start failed with 2

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

bridge type mismatch

Message MSTP[<pid>]: Bridge type mismatch

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message MSTP[<pid>]: Component <component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

component sa_amf_ha_standby

Message MSTP[<pid>]: Component <component-name> SA_AMF_HA_STANDBY

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec

Message MSTP[<pid>]: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Spanning Tree Messages

bpdu skew detected (mstp)

Message MSTP[<pid>]: BPDU Skew detected on port <port>, beginning role reselection
BPDU Skew detected on port port <port> instance <mst-instance>, beginning role reselection

Severity warning/4

Explanation [MSTP] The port expected to receive BPDUs for the MST instance, but did not receive any during the last period, so spanning tree information on the port for this MST instance was aged out. This may be because the topology changed so that the port is no longer connected to the root bridge, or because the port was overloaded and therefore dropped some BPDUs.

Recommended Action If this message occurs once, no action is required. If it occurs repeatedly, check for any loops in the network. For instance, are there any devices in the network that are not running MSTP.

bpdu skew detected (stp and rstp)

Message MSTP[<pid>]: BPDU Skew detected on port <port>

Severity warning/4

Explanation [STP or RSTP] The port expected to receive BPDUs, but did not receive any during the last period, so spanning tree information on the port was aged out. This may be because the topology changed so that the port is no longer connected to the root bridge, or because the port was overloaded and therefore dropped some BPDUs.

Recommended Action If this message occurs once, no action is required. If it occurs repeatedly, check for any loops in the network. For instance, are there any devices in the network that are not running STP or RSTP?

cist now forwarding

Message MSTP[<pid>]: CIST <port> now forwarding, propagating TC to other ports

Severity Notice/5

Explanation A port that was previously Blocking has entered the Forwarding state, and is propagating the topology change by sending topology change messages to other ports. This is probably because another link in the STP instance has gone down.

The CIST is the default spanning tree instance - for STP and RSTP it is the only spanning tree instance; for MSTP, all VLANs that are not members of any other MSTI are members of the CIST.

Recommended Action No action required.

cist reg root changed

Message MSTP[<pid>]: CIST reg root changed:
<previous-root-bridge-priority>:<previous-root-bridge-mac-address>-><new-root-bridge-priority>:<new-root-bridge-mac-address>

Severity Notice/5

Explanation A new MSTP regional root bridge has been selected for the CIST.

Recommended Action Confirm that the specified root bridge is consistent with the expected MSTP topology. Repeated occurrences may indicate instability in the network.

cist root port changed

Message MSTP[<pid>]: CIST root port changed: <port>

Severity Notice/5

Explanation A new root port has been selected for the CIST. For MSTP, the CIST is the default MSTI; for STP and RSTP, the CIST is the only spanning tree instance.

Recommended Action Confirm that the new root port is consistent with expected spanning tree topology. Repeated occurrences may indicate instability in the network.

Message MSTP[<pid>]: CIST root port changed:
<previous-root-port>-><new-root-port>

Severity Notice/5

Explanation A new root port has been selected for the CIST. For MSTP, the CIST is the default MSTI; for STP and RSTP, the CIST is the only spanning tree instance.

Recommended Action Confirm that the new root port is consistent with expected spanning tree topology. Repeated occurrences may indicate instability in the network.

msti root changed

Message MSTP[<pid>]: MSTI <mst-instance> root changed:
<previous-root-bridge-priority>:<previous-root-bridge-mac-address>-><new-root-bridge-priority>:<new-root-bridge-mac-address>

Severity Notice/5

Explanation A new root bridge has been selected for the specified MST instance.

Recommended Action Confirm that the new root bridge is consistent with the expected MST instance topology. Repeated occurrences may indicate instability in the network.

msti root port changed

Message MSTP[<pid>]: MSTI <msti-instance> root port changed:
<previous-root-port>-><new-root-port>

Severity Notice/5

Explanation A new root port has been selected for the specified MST instance.

Recommended Action Confirm that the new root port is consistent with the expected MST instance topology. Repeated occurrences may indicate instability in the network.

port instance state changed

Message MSTP[<pid>]: mstp_msti_set_port_state: Bridge (0)
Port(<port>) instance <instance-id> state changed from
3 to 0

Severity info/6

Explanation The MSTP state of the specified MSTP port has changed for the specified MST instance. 0=discarding, 1=listening, 2=learning, 3=forwarding. This message is only generated when MSTP protocol debugging is enabled.

Recommended Action Confirm the specified port state is consistent with the expected MST instance topology. Repeated occurrences may indicate instability in the network.

port state changed

Message MSTP[<pid>]: mstp_cist_set_port_state: Bridge (0)
Port(<port>) state changed from <previous-state> to
<new-state>

Severity info/6

Explanation The MSTP state of the specified spanning tree port has changed. The states are: 0=discarding, 1=listening, 2=learning, 3=forwarding. This message is only generated when MSTP protocol debugging is enabled.

Recommended Action Confirm that the new port state is consistent with the expected spanning tree topology. Repeated occurrences may indicate instability in the network.

received tc for port

Message MSTP[<pid>]: mstp_check_topology_change: R cvd tc for
port (<port-if-index>) role (<role-number>)

Severity info/6

Explanation The switch has received a BPDU with the Topology Change (TC) flag set or an STP Topology Change Notification. This means that a port on an upstream bridge (directly connected or multiple-hops away) has changed its role. This switch will include the TC flag in BPDUs it sends out other ports, to inform downstream switches of the upstream topology change. The forwarding database entries for the other ports will be cleared, because the hosts in those entries may now be reachable via a newly available upstream link.

The role values are:

0=ROLE_MASTERPORT (MSTP only)

1=ROLE_ALTERNATE

2=ROLE_ROOTPORT

3=ROLE_DESIGNATED

4=ROLE_DISABLED

5=ROLE_BACKUP

Recommended Action If the topology change event was unexpected, or occurs frequently, investigate why links in your network are going up and down.

SSH (sshd)

This chapter contains messages generated by the Secure Shell (SSH) program .

- *"Internal Messages"* on page 650
- *"OpenSSH Messages"* on page 652
- *"SSH Messages"* on page 654

Internal Messages

accepted publickey for manager

Message sshd [<pid>]: Accepted publickey for manager from <ip-address> port <tcp-port> ssh2

Severity Notice/5

Explanation Internal software audit trace related to SSH operation in a VCStack.

Recommended Action No action required.

address already in use

Message sshd [<pid>]: error: Bind to port <tcp-port> on <ip-address> failed: Address already in use.

Severity err/3

Explanation This message indicates an internal software event that usually resolves itself, but may occasionally affect SSH operation.

Recommended Action If SSH is operating as expected, no action is required. If it is not operating as expected, restore SSH operation by disabling and re-enabling the SSH service on the switch ("service ssh" command).

cannot assign requested address

Message sshd [<pid>]: error: Bind to port <tcp-port> on <ip-address> failed: Cannot assign requested address.

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

received signal 15; terminating

Message sshd [<pid>]: Received signal 15; terminating.

Severity info/6

Explanation Internal software audit trace. The SSH service may have been disabled, or had its configuration changed.

Recommended Action No action is required.

OpenSSH Messages

accepted keyboard-interactive/pam

Message Accepted keyboard-interactive/pam for <user-id> from <ip-address> port <tcp-port> ssh2

Severity Notice/5

Explanation The SSH connection initiation attempt by the SSH Client has succeeded.

Recommended Action No action required.

error: PAM: authentication failure

Message error: PAM: Authentication failure for <user-name> from <ip-address>

Severity err/3

Explanation The SSH user failed to provide the correct user name and password.

Recommended Action Retry Login with correct user name and password.

no service ssh

Message [<username>@<terminal>]no service ssh

Severity Notice/5

Explanation The SSH Server has been disabled successfully.

Recommended Action No action required.

rekeying with remote host

Message Rekeying triggered

Rekeying with remote host:<IP Address>

Keys successfully set

Severity Notice/5

Explanation Rekeying was successful with the remote host.

Recommended Action No action required.

service ssh

Message [<username>@<terminal>]service ssh

Severity Notice/5

Explanation The Secure Shell server on the device has been enabled. Once enabled, connections coming from SSH clients are accepted.

Recommended Action No action required.

session open for user

Message Session open for user <user-id> from <ip-address> port <port-number>

Severity Notice/5

Explanation A user successfully logged on remotely using SSH.

Recommended Action No action required.

SSH Messages

accepted publickey

Message sshd [<pid>]: Accepted publickey for <user-id> from <ip-address> port <tcp-port> ssh2

Severity Notice/5

Explanation Internal software audit trace. The SSH server on the switch received a public key from a client as part of the normal SSH login process.

Recommended Action No action required.

server listening

Message sshd [<pid>]: Server listening on <ip-address> port <tcp-port>.

Severity info/6

Explanation The SSH server is running normally on the specified IP address and TCP port

Recommended Action No action required.

session close for user

Message sshd [<pid>]: Session close for user <user-id> from <ip-address> port <tcp-port>

Severity Notice/5

Explanation The specified user was logged out of the SSH session.

Recommended Action No action required.

session open for user

Message sshd [<pid>]: Session open for user <user-id> from <ip-address> port <tcp-port>

Severity Notice/5

Explanation The user was successfully logged in via SSH.

Recommended Action No action required.

Startup (init)

This chapter contains messages generated by the Startup (init) program.

- *"Internal Messages"* on page 657

Internal Messages

main process ended, restarting

Message init: base/dbus main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

Message init: base/imi main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

Message init: network/dhcp-server main process ended,
restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/mstpd main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/net-snmp main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/pdmd main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/ripd main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/ripngd main process ended, restarting

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

process failed healthchecks and terminated

Message init: network/election.timeout main process (<pid>)
terminated with status 1

Severity warning/4

Explanation Internal software audit trace.
This message indicates the normal termination of a network startup process that has completed.

Recommended Action No action required.

process killed by abrt signal

Message init: network/hsl main process <pid> killed by ABRT
signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/stackd main process (<pid>) killed by
ABRT signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

process killed by kill signal

Message init: network/marvell main process (<pid>) killed by KILL signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

process killed by segv signal

Message init: network/corosync main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/hsl main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/nsm main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/ospfd main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/pdmd main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/ripd main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/ripngd main process (<pid>) killed by SEGV signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

process killed by term signal

Message init: network/dhcp-server main process (<pid>) killed by TERM signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/election.timeout main process (<pid> killed by TERM signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

process killed by trap signal

Message init: base/dbus main process (<pid>) killed by TRAP signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: hardware/openhpilog main process (<pid>) killed by TRAP signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/mstpd main process (<pid>) killed by TRAP signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/netsnmp main process (<pid>) killed by TRAP signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/nsm main process (<pid>) killed by TRAP signal

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: openhpilog main process (<pid>) killed by TRAP signal

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

process terminated with status

Message init: network/dhcp-server main process (<pid>) terminated with status 1

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: network/imi main process (<pid>) terminated with status 133

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message init: hardware/timeout main process (<pid>) terminated with status 1

Severity warning/4

Explanation Internal software audit trace. This message indicates the normal termination of a hardware startup process that has completed.

Recommended Action No action required.

Message init: openhpiolog main process (<pid>) terminated with status 255

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

respawning too fast, stopped

Message init: network/dhcp-server respawning too fast, stopped

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required. If this message is repeated frequently, look for related log messages.

startup-config

- *"System Configuration Messages"* on page 669

System Configuration Messages

banner exec

Message [`<username>@<terminal>`]banner exec `<banner-text>`

Severity Notice/5

Explanation The command was used to configure the User Exec mode banner that is displayed on the console after the login was executed successfully.

Recommended Action No action required.

banner login

Message [`<username>@<terminal>`]banner login

Severity Notice/5

Explanation The command was used to configure the login banner that is displayed on the console before login.

Recommended Action No action required.

banner motd

Message [`<username>@<terminal>`]banner motd `<motd-text>`

Severity Notice/5

Explanation The command was used to create or edit the text of the MotD (Message-of-the-Day) banner which is displayed before the login.

Recommended Action No action required.

clock set

Message [`<username>@<terminal>`]clock set `<hh:mm:ss>` `<day>`
`<month>` `<year>`

Severity Notice/5

Explanation The command to set the time and date for the system clock was executed successfully.

Recommended Action No action required.

exec-timeout

Message [`<username>@<terminal>`]exec-timeout {`<minutes>`}
[`<seconds>`]

Severity Notice/5

Explanation The command to set the time limit for the console or VTY connection to automatically log off after no activity was executed successfully.

Recommended Action No action required.

tempmond

- *"Temperature Messages"* on page 672

Temperature Messages

over temperature condition cleared

Message tempmond: Over temperature condition cleared, shutdown aborted

Severity crit/2

Explanation During the grace period, the temperature fell below the critical temperature threshold. This means that the device will not shut down due to high temperature until it rises above the critical temperature again.

Recommended Action Consider whether any changes need to be made in the environment to prevent recurrences of the high temperature condition.

over temperature condition detected

Message tempmond: Over temperature condition detected, shutdown in X seconds

Severity crit/2

Explanation The device detected that the temperature exceeded its threshold, and will shut itself down in the specified number of seconds.

Recommended Action Reduce heat inside and around the unit. Check that fans are working correctly or swap the fan tray if possible. If it is not possible to reduce the temperature below the threshold quickly, shut the unit down as soon as possible.

system recovered from over temperature

Message tempmond: System recovered from over temperature shutdown

Severity crit/2

Explanation The device shut itself down because the temperature exceeded it's threshold for too long. The message is generated during bootup when the device is switched on again. See LMID 1974 for more information.

Recommended Action Check that fans are working as intended. Consider whether other environmental changes such as changes to airflows or additional cooling are required to prevent recurrences of the high temperature condition.

Traffic Shaping (shapingd)

- *"Traffic Shaping (shapingd)"* on page 675

Traffic Shaping (shapingd)

attempting to remove tc rule

Message shapingd: SHAPING: Attempting to remove tc rule <ID> for invalid interface

Severity err/3

Explanation Traffic shaping tried to remove rule <ID> from an invalid interface.

Recommended Action If this message occurs once, no action is required. If it persists, contact your authorised Allied Telesis distributor or reseller.

error creating tc class

Message SHAPING: Error creating tc class command for rule <ID>

Severity err/3

Explanation The device failed to add a traffic shaping setting for the specified rule.

Recommended Action Remove and reapply the rule.

error creating tc filter

Message shapingd: SHAPING: Error creating tc filter command for rule <ID>

Severity err/3

Explanation Traffic shaping failed to apply settings to implement rule the specified rule.

Recommended Action Remove and reapply the rule. Check device for low memory.

error deleting tc class

Message shapingd: SHAPING: Error deleting tc class command for rule <id>

Severity err/3

Explanation Traffic shaping failed to remove a setting used to shape traffic, after the 'no rule <rule>' command was used.
This may be because of low available dynamic memory (RAM).

Recommended Action Try disabling and re-enable traffic shaping.
Check the device for low RAM memory by using the 'show memory' command. If RAM is low, consider rebooting the device.
If the issue recurs, or you see this message when there does not appear to be low memory, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

error deleting tc filter

Message shapingd: SHAPING: Error deleting tc filter command for rule <ID>

Severity err/3

Explanation Traffic shaping failed to remove a setting used to shape traffic.

Recommended Action Disable and re-enable traffic shaping. Check device for low memory.

error reading show tc class

Message shapingd: SHAPING: Error reading show tc class command for interface <ifname>

Severity err/3

Explanation Traffic shaping cannot read the counters for traffic shaping rules.

Recommended Action Re-run the show command. Check the device for low memory.

received more than one counter set

Message shapingd: SHAPING: Received more than one counter set for rule <id> on interface <ifname>

Severity err/3

Explanation Traffic shaping found more than one traffic queue for the specified rule on the specified interface. There should only be one traffic queue for a rule.

Recommended Action If there is not more than one traffic queue for the specified rule, Remove and reapply the rule. If the problem persists, contact your authorised Allied Telesis distributor or reseller.

rule ... has an invalid interface

Message shapingd: SHAPING: Rule <ID> has an invalid interface

Severity err/3

Explanation The "to" entity of rule <id> has an invalid interface.

Recommended Action Remove and reapply the rule. If the problem persists, contact your authorized Allied Telesis distributor or reseller.

rule ... has invalid interface

Message shapingd: SHAPING: Rule <id> has invalid interface while attempting to show counters

Severity err/3

Explanation The 'to' parameter in the 'traffic shaping rule' command refers to an interface that may not be fully or accurately configured.

Recommended Action Check the "to" parameter in the rule command and the configuration of the interface to which it refers.

TRIGGER

This chapter contains messages generated by the Trigger program.

- *"Trigger Messages"* on page 679

Trigger Messages

couldn't open file

Message TRIGGER [<pid>]: Couldn't open file <file-name>

Severity warning/4

Explanation A trigger event failed to trigger a script because the script file did not exist.

Recommended Action Ensure that the script file specified for the trigger is available. Consider whether to activate it manually.

timeout waiting for network.configured

Message trigger: Timeout waiting for network.configured.

Severity err/3

Explanation A trigger failed to activate a script as expected. This may be because the device had not completed a large configuration after start-up, so that the trigger configuration was not yet complete when the trigger-affecting event occurred, and was still not complete within 5 minutes of the event.

Recommended Action Check any configured triggers to see if there are any that should have activated around start-up (e.g reboot, interface, atmf, etc). Check that they activated. For any that did not activate, consider whether any of the scripted commands need to be entered manually.

trigger activated

Message TRIGGER [<pid>]: Trigger <trigger-id> activated

Severity Notice/5

Explanation The specified trigger successfully activated the configured script files.

Recommended Action If the script files activated by this trigger event are adequate to resolve any consequences of the event, then no action is required. Otherwise, consider whether other action should be taken.

trigger not activated

Message TRIGGER [<pid>]: Trigger <trigger-id> not activated:
configuration not found

Severity warning/4

Explanation The trigger failed to activate the configuration script because it could not find the script file.

Recommended Action Check that the configuration script file specified for the trigger is available ("show trigger\" command, \"script\" command). Consider whether to activate it manually.

updated

- *"Update Messages"* on page 682

Update Messages

failed to decrypt resource

Message updated: Failed to decrypt resource <resource name>

Severity err/3

Explanation The downloaded resource file failed to decrypt.

Recommended Action Try using the command "update <resource name> now". If the failure recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

failed to download resource

Message updated: Failed to download resource <resource name>

Severity warning/4

Explanation The device failed to download an updatable resource file.

Recommended Action Check that the device has Internet connectivity, that DNS servers are configured and working, and that the UTM features are not blocking Internet access.

failed to retrieve latest

Message updated: Failed to retrieve latest version file

Severity warning/4

Explanation The device failed to download the version file from the resource server.

Recommended Action Check that the device has Internet connectivity, that DNS servers are configured and working, and that the UTM features are not blocking Internet access.

failed to verify resource

Message updated: Failed to verify resource <resource-name>

Severity err/3

Explanation The downloaded resource could not be verified.

Recommended Action Try using the command "update <resource-name> now". If the failure recurs, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

user

This chapter contains messages generated by the internal user program.

- *"Internal Messages"* on page 685
- *"Startup Messages"* on page 687

Internal Messages

atlat10908brd_add_slow_i2c:... I2C addr

Message user: atlat10908brd_add_slow_i2c:1250 I2C addr 71 mux 0

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.
If this message occurs repeatedly, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

badness in local_bh_enable

Message Badness in local_bh_enable at
/home/maker/candidate-5.2.1/linux/kernel/softirq.c:137
Call Trace: [9B50D5C0] [800094A4] show_stack+0x3c/0x194
(unreliable)[9B50D5F0] [80003300]
check_bug_trap+0x70/0x98

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.
If this message occurs repeatedly, or other messages show a serious issue, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command, and any associated .tgz files stored in device memory.

fsl-mem_map

Message fsl-mem_map: probe of fsl-mem_map.0 failed with error -34

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

module license taints kernel

Message module license \ 'Proprietary\ ' taints kernel.

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

notifying other processes of the new master event

Message Notifying other processes of the New Master event for node 1

Severity Notice/5

Explanation Internal software audit trace.

Recommended Action No action required.

Startup Messages

kernel command line

Message Kernel command line: console=ttyS0,9600
releasefile=<release-file> ramdisk=10564
bootversion=1.0.9 loglevel=1 extraflash=02000000
defaultconfig

Severity Notice/5

Explanation This messages shows the bootloader configuration, including the console baud rate, software version file to boot from, and the bootloader version.

Recommended Action If these settings are as they should be, no action is required. If necessary, boot to the bootloader menu and update the bootloader configuration. See the "Start-up Sequence" chapter in the Software Reference for your device.

skipping startup configuration

Message Skipping startup configuration

Severity warning/4

Explanation The startup configuration script was not run when the switch booted, so the switch booted with the factory default configuration settings. This may be because the special boot option was used in the start up sequence to prevent the startup configuration script from running.

Recommended Action If you have set the boot option to skip the startup config, then no action is required. If you did not set the boot option to skip the startup config, check the bootloader settings to ensure that it is configured with the correct startup configuration file name.
If the bootloader was not configured to skip the startup config, and the startup configuration is correct, then contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command.

UTM

- *"Intrusion Prevention System (IPS) Messages"* on page 689
- *"Antivirus Messages"* on page 690
- *"Stream Messages"* on page 697
- *"URL Filter Messages"* on page 698

Intrusion Prevention System (IPS) Messages

category ... not longer exists

Message category <category-name> not longer exists

Severity debug/7

Explanation An IPS or IP Reputation category with the specified name has been removed during a database update.

Recommended Action No action required.

failed to install ips ruleset

Message Failed to install IPS ruleset

Severity crit/2

Explanation The IPS rule database failed to install.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

something bad happened

Message Something bad happened <operation> suricata

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Antivirus Messages

anti-virus vendor

Message UTM[<pid>] antivirus:Anti-Virus Vendor=<vendor-name>

Severity info/6

Explanation The antivirus system is configured to use the specified vendor's antivirus database.

Recommended Action No action required.

antivirus: ... licence has expired

Message UTM[<pid>] antivirus:Kaspersky subscription licence has expired

Severity err/3

Explanation The subscription license for the Kaspersky antivirus service has expired.

Recommended Action To obtain a new subscription license, contact your authorised Allied Telesis distributor or reseller.

antivirus: av enabled

Message UTM[<pid>] antivirus: AV enabled

Severity Notice/5

Explanation The antivirus feature has been enabled.

Recommended Action No action required.

antivirus: could not revert

Message UTM[<pid>]: antivirus: Could not revert to last known good version <resource-name>

Severity err/3

Explanation The proxy antivirus feature was not able to revert to the last known good database resource file because none existed.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus: failed to initialize

Message UTM[<pid>] antivirus: Failed to initialize antivirus

Severity err/3

Explanation The antivirus system failed to initialize.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus: failed to revert

Message UTM[<pid>]: antivirus: Failed to revert to last known good version <resource-name>

Severity err/3

Explanation The proxy antivirus failed to revert to the last known good version of the database resource file.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus: no database found

Message UTM[<pid>]: antivirus: antivirus: No database found

Severity Notice/5

Explanation There is no (proxy) antivirus database present on the device.

Recommended Action This message will appear when a new device is started up for the first time. If it appears at other times, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus: unable to extract database

Message UTM[<pid>]: antivirus: Unable to extract database

Severity err/3

Explanation The downloaded antivirus database resource file could not be extracted.

Recommended Action Verify that sufficient free space is available in flash. If the message persists when there is sufficient free space, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus: version ... failed to install

Message UTM[<pid>]: antivirus: Version <version-id> of <resource-name> failed to install

Severity err/3

Explanation The antivirus database resource file failed to install. The antivirus protection will revert to and continue to use the previous version of the database resource file, if there was one available.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus:... licence validity check failed

Message UTM[<pid>] antivirus:Kaspersky subscription licence validity check failed

Severity err/3

Explanation The Kaspersky antivirus subscription license is invalid.

Recommended Action To obtain a valid license, contact your authorised Allied Telesis distributor or reseller.

antivirus:license invalid

Message UTM[<pid>] antivirus:License invalid: <error>

Severity err/3

Explanation The antivirus license is not valid for some specified reason, most likely because the license has expired.

Recommended Action To obtain a new antivirus subscription license, if the existing one has expired, contact your authorised Allied Telesis distributor or reseller.

antivirus:unable to get information

Message UTM[<pid>] antivirus:Unable to get information about license key: <error>

Severity err/3

Explanation An error occurred when trying to access the antivirus feature license key.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

antivirus:unable to load bases

Message UTM[<pid>] antivirus:Unable to load bases: <error>

Severity err/3

Explanation The antivirus system was not able to load the antivirus database files, for the specified reason.

Recommended Action Check the device has an antivirus database file present.
Otherwise, contact your authorised Allied Telesis distributor.

antivirus:virus ... detected

Message UTM[<pid>] antivirus:Virus <virus-name> detected in
<url> to <host>

Severity warning/4

Explanation The named virus was detected in the URL being downloaded by the specified host and has been blocked.

Recommended Action No action required.

max scan depth exceeded

Message UTM[<pid>] antivirus:Max scan depth exceeded for <URL>
to <host>

Severity warning/4

Explanation The antivirus system was unable to scan the URL requested by the specified host because the file was a deeply nested archive.

Recommended Action If the "action limit-exceeded" command has been set to "permit", consider running a virus scan locally on the host.

no virus detected

Message UTM[<pid>] antivirus: No virus detected in <URL> to <host>

Severity info/6

Explanation The specified file downloaded by the host was scanned and no virus was detected.

Recommended Action No action required.

too large for antivirus scan

Message UTM[<pid>] UTM:<URL> from <host> too large for antivirus scan - <action>

Severity info/6

Explanation A file requested by a host was too large for the antivirus system to scan and the specified action was taken in accordance with the configuration of the system ("allow" or "deny").

Recommended Action If the specified action is "allow" consider running a virus scan locally on the host.

unable to scan

Message UTM[<pid>] antivirus:Unable to scan <URL> to <host>: <reason>

Severity warning/4

Explanation The antivirus system was unable to scan the URL requested by the specified host. Either the file was a deeply nested archive or was password protected.

Recommended Action If the "action scan-failed" or "action limit-exceeded" command has been set to "permit", consider running a virus scan locally on the host.

Message UTM[<pid>] antivirus:Unable to scan <URL> to <host>:
<reason>

Severity err/3

Explanation The URL download by a host was not able to to be scanned for some reason.

Recommended Action If the "action scan-failed" or "action limit-exceeded" command has been set to "permit", consider running a virus scan locally on the host.
If this does not resolve the issues, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

Stream Messages

extraction of resource ... failed

Message Extraction of resource <resource-name> failed

Severity err/3

Explanation The downloaded resource file could not be extracted. This may be because there is insufficient space available in flash memory. The stream feature using this resource will revert to and continue to use the previous version of the resource.

Recommended Action Check that there is sufficient free space is available in flash. If there is sufficient space and the issue persists, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

previous version of resource ... failed to load

Message Previous version of resource <resource-database-name> failed to load, reverting to last known good version

Severity err/3

Explanation An issue (reboot or process crash) occurred within the update check interval (configured by the 'update-interval' command) while trying to load an update. The stream feature software protection (e.g. antivirus, DPI, IP Reputation, or IPS) will revert to and continue to use the previous version of the database resource file.

Recommended Action No action required - wait for the next update. If the message recurs and the update fails for too long, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

URL Filter Messages

url_filter ... requested by

Message UTM[<pid>]: Web_Control: <action> <requested-URL>
requested by <requestor-address> <matching-categories>,
<rule-id>

Severity warning/4

Explanation This log message occurs whenever an HTTP request is blocked or allowed as a result of matching a URL Filter rule. That is, an HTTP URL request matches a match criterion in one or more categories, and one of those categories is referenced in a URL Filtering rule.

<action> = BLOCK or ALLOW - action performed as a result of hitting the rule

<requested-URL> = the requested URL

<requestor-address> = IP address of the requestor

<matching-categories> = comma separated list of the categories the request URL has been categorized to

<rule-id> = ID of the rule that was hit

Recommended Action No action required.

url_filter: digital arts

Message UTM[<pid>]: Web_Control: Digital Arts
<error-description>

Severity warning/4

Explanation There was a problem with access to the Digital Arts server. Typically this is caused by incorrect URL Filtering provider settings (URL, username, password), connectivity issues, or the Digital Arts server may be temporarily unavailable.

Recommended Action Recommended Action:
1) Check URL Filtering provider settings
2) Check Internet connectivity
3) Otherwise, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

utm:unable to aquire dbus

Message UTM[<pid>] UTM:unable to aquire dbus connection

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required. If the message recurs, or if there is an ongoing issue with URL filtering, contact your authorised Allied Telesis distributor or reseller with the output from the "show tech-support" command.

VCStack (VCS)

This chapter contains messages generated by Virtual Chassis Stacking (VCStack) program.

- *"Hardware Support Messages"* on page 701
- *"Internal Messages"* on page 702
- *"Stacking Messages"* on page 708

Hardware Support Messages

Message Requested switchport count exceeds the recommended limit (400). This may degrade system performance.

Severity crit/2

Explanation You may have added too many ports to a VCS+ stack. It is possible to physically install sufficient cards to end up with up to 800 ports among the switches in a VCStack. It is not recommended to go beyond 400 ports in a VCStack, as this may cause unexpected behaviour.

Recommended Action If there is unexpected behaviour, consider reducing the number of ports to the supported limit of 400.

Internal Messages

1-hop message received

Message VCS [<pid>]: 1-hop message received while link <port> is down

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action is required. If this message is repeated, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

clm event handling failed

Message VCS [<pid>]: CLM event handling failed with result 9

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

ha event handling failed

Message VCS [<pid>]: HA event handling failed with result 9

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

ha monitoring detected failure

Message VCS [<pid>]: HA monitoring detected failure of <member>

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

ha monitoring exited

Message VCS [<pid>]: HA monitoring app has exited with error

Severity alert/1

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

ha process initialization timed out

Message VCS [<pid>]: HA process initialization timed out, continuing stack topology discovery

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

initializing ha services for vcs failed

Message VCS [<pid>]: Initializing HA services for VCS failed with result 6

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

ipc

Message VCS [<pid>]: IPC ERROR ipc_trans_recv msg_id sent <number> received <number>

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message VCS [<pid>]: ipc_trans_recv msg_id TX <number> RX <number> size expected <number> received <number>

Severity crit/2

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

link already up

Message VCS [<pid>]: Link <port> already up, ignoring link-up event

Severity err/3

Explanation A problem may have occurred in a software component.

Recommended Action Contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

membership monitoring has not initialized correctl

Message VCS [<pid>]: VCS membership monitoring has not initialized correctly for <member>

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

no neighbouring members found

Message VCS [<pid>]: No neighbouring members found, Unit may be in a standalone configuration

Severity alert/1

Explanation The switch is configured to be a stack member, but cannot find any other stack members. This could be because:

- the links to other stack members are down
- it is a standalone device.

Recommended Action If the switch is intended to be a stack member, check the links that connect it to other stack members.
If it is intended to be a standalone switch, remove the stacking configuration.

resiliency link healthchecks failed

Message VCS [<pid>]: Resiliency link healthchecks have failed, but master is still online

Severity err/3

Explanation The stack member failed to receive healthcheck messages from the master over the resiliency link for 2 seconds or more. This may be because:

- the resiliency link cable was loose or unplugged
- the network that the resiliency link is connected to experienced an outage or become congested.

A reliable resilience link is important for switching continuity in case of stack master failure.

Recommended Action Check the resiliency link cables and network.

system stack role already active master

Message VCS [<pid>]: System stack role already Active Master - no change needed

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Stacking Messages

active master conflict

Message VCS [<pid>]: Active Master conflict between members 1 and 2

Severity alert/1

Explanation Two stack masters discovered each other, so one will have to re-initialize and join the stack as a backup member. This may occur if two stack stubs are rejoined after a failure has been restored. It can also occur if connectivity between stack members has briefly been lost. The same criteria used to elect a master is used to determine which stack member needs to renumber. This can also occur at stack startup if the stack members are started up more than 20 seconds apart, or if the stack members are powered on BEFORE they are cabled together.

Recommended Action If the conflict was unexpected, for example it is not simply recovering from an earlier failure, Contact your authorised Allied Telesis distributor or reseller with the output from the `"show tech-support"` command. Try to provide as much detail as you can about what the stack was doing at the time, for example, system load.

applying fallback-config

Message VCS [<pid>]: Applying fallback-config <file-path> to avoid network conflicts with Active Master

Severity Notice/5

Explanation A failure resulted in the stack becoming separated. This may be because of a failure in the stacking cables or stacking module, or the stack member may have been unable to rejoin the stack for some reason (for example, incompatible software or feature licenses).

Recommended Action Check that the fallback-config configuration was applied correctly. If the fallback-config simply provides a backup IP address for the stack, then telnet/SSH to the Fallback Master and reconfigure the stack member appropriately. If the fallback-config provides a complete alternative configuration, then little intervention may be required until connectivity with the Active Master can be restored.
Investigate why the Active Master failed over, and restore.

beginning neighbour discovery

Message VCS [<pid>]: Beginning neighbour discovery on link <port>

Severity info/6

Explanation The unit began neighbour discovery on the port to detect other stack members.

Recommended Action No action required.

contact with active master lost

Message VCS [<pid>]: Contact with the Active Master has been lost

Severity crit/2

Explanation The back-up stack member lost contact with the stack master, and a stack master failover occurred. This may be because:

- stack master power failed
- the stacking module failed
- the stacking link failed
- the stack master operating system had an exception in a critical process

Recommended Action Check that the stack has recovered and is operating normally. If a stack member has failed and is no longer present, investigate the cause (for example, power failure, failure in stacking cables). If the stack has reformed, check for possible software exceptions (`\show exception log\` and `\show log permanent\` commands).

If a software exception was found, or if the cause of the master failover was unknown, then contact your authorised Allied Telesis distributor or reseller, with the output from the `\show tech-support\` command. Provide as much detail as you can about what the stack was doing at the time, for example, system load.

Message VCS [<pid>]: Contact with the Active Master has been lost

Severity Notice/5

Explanation The current stack master has failed over. This may be because either the stack master or links to it failed.

Recommended Action Check that the remaining stack members have handled the failover as intended, for example, by a change of Active Master or by applying the fallback-config. Investigate the cause of the original Active Master failure and try to restore it. If the original Active Master is still online, investigate why it has been separated from the other stack members (cable failures, intermediary stack member failures, etc). If the original Master is offline, check why it failed (power failure, critical process failure, hardware failure).

could not add interface

Message VCS [<pid>]: Could not set correct hostname for stack member <stack-member-id>

Severity err/3

Explanation A problem occurred during the synchronising of stack members when a new member joined. This could be caused by stack cables being disconnected and reconnected quickly.

Recommended Action Reboot the stack member to ensure it has joined the stack correctly.

determining if previous master still online

Message VCS [<pid>]: Determining via resiliency link if previous master is still online

Severity Notice/5

Explanation The stack master has unexpectedly left the stack, and a resiliency-link is configured. This indicates the stack master failure was due to a physical connectivity loss - either the master has powered down, or one of more stacking cables or stacking XEMs has failed.

Recommended Action Read this log message in conjunction with the other stack master failover log messages to analyse the cause of the failover.
If the original Active Master is still online, investigate why it has been separated from the other stack members (cable failures, intermediary stack member failures, etc). If the original Master is offline, check why it failed (power failure, hardware failure).

disabling all switch ports to avoid network confli

Message VCS [<pid>]: Disabling all switch ports to avoid network conflicts with Active Master

Severity Notice/5

Explanation Either:

- the master has failed over and is still online, and no alternative fallback-config has been configured for the stack, or
- the master may be offline, but no resiliency link was configured for the stack, so the backup switch cannot know if the original master is online or not.

Recommended Action In both these situations, the backup stack member has become a Disabled Master. To recover, log in to the Disabled Master onsite via its console port. (As this is undesirable, we strongly recommend configuring a resiliency link and/or a fallback-config to avoid this situation.) If the original master is offline, for example if no resiliency link was configured, then simply reboot the Disabled Master to recover the stack. If the original master is online, then you can temporarily reconfigure the Disabled Master until connectivity with the original master can be restored. Re-enable the switch ports (`"no shutdown"` command). Note that the dynamic configuration is not saved upon `'copy running-config startup-config'` in this mode (as it would overwrite the normal stack configuration), so save the config to an alternative file instead (`"copy running-config"` command).

duplicate master detected

Message VCS [<pid>]: Duplicate master detected: <member> (<state>) and <member> (<state>)

Severity alert/1

Explanation Two stack masters discovered each other, so one will have to re-initialize and join the stack as a backup member. This may occur if two stack stubs are rejoined after a failure has been restored. It can also occur if connectivity between stack members has briefly been lost. This can also occur at stack startup if the stack members are started up more than 20 seconds apart, or if the stack members are powered on before they are cabled together. The automatic master election process then determines which stack member needed to change its stack member ID.

Recommended Action If this was expected, for example, if the stack was recovering from a known failure, then check that the intended switch is the stack master. If it was unexpected, then contact your authorised Allied Telesis distributor or reseller, with the output from the \"show tech-support\" command. Provide as much detail as you can about what the stack was doing at the time, for example, system load.

file synchronization complete

Message VCS [<pid>]: File synchronization complete: <file-path>

Severity Notice/5

Explanation The file was synchronised across stack members.

Recommended Action No action required.

high-availability failover occurred

Message VCS [<pid>]: High-availability failover has occurred for <member-id>

Severity crit/2

Explanation The stack master or links to it failed, and a backup stack member took over the role of stack master.

Recommended Action Investigate and resolve the failure of the former stack master.

Message VCS [<pid>]: High-availability failover has occurred for member <stack-member-id>

Severity Notice/5

Explanation The High-Availability healthchecking of peer stack members has detected a problem with this stack member. This indicates the stack member has not failed due to a power failure or stacking cable fault, but for some other reason. One possible cause is that excessive network packets going to the stack's CPU on queue 7 caused internal stack traffic to be dropped. Therefore, it is important that any QoS configuration on a stack only prioritizes traffic into queues 0-6, and that the CoS-to-Queue map does not automatically use queue 7 for packets received with a CoS value of 7.

Recommended Action To check whether the stack is receiving network traffic on queue 7, enter the command:

```
show stack full-debug | include Non-VCS Q7
```

The counters displayed should normally be all zeros. If any of the counters are non-zero, indicating that the stack is receiving network traffic on queue 7, modify the QoS configuration so that:

- any QoS configuration on the stack only prioritizes traffic into queues 0-6 (not into queue 7)

- the CoS-to-Queue map does not automatically use queue 7 for packets received with a CoS value of 7 (`\mls qos map cos-queue 7 to 6` command)

If this does not explain and resolve the stack member reboot, then contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support` command. Provide as much detail as you can about what the stack was doing at the time, for example, system load.

link between members is down

Message VCS [<pid>]: Link between members <stack-member-id> and <stack-member-id> is down

Severity Notice/5

Explanation An adjacent connection between two stack members was lost, either because the stack member left the stack, or because the ring topology was broken by a stacking link going down. Using VCStack with a broken-ring topology results in a reduction in stack throughput.

Recommended Action If the stack member has left the stack, investigate the cause. If the ring topology has been broken, check the physical stacking connections.

link between members is up

Message VCS [<pid>]: Link between members <stack-member-id> and <stack-member-id> is up

Severity Notice/5

Explanation There is a new adjacent connection between the two stack members.

Recommended Action No action required.

link down on stack link

Message VCS [<pid>]: Link down event on stack link <port>

Severity Notice/5

Explanation A link-down event has occurred on a stacking link. If several of these messages (and corresponding link up messages) occur at start-up, it may indicate temporary link-flapping associated with start-up. If the message is not associated with start-up, it may indicate a failure in either the physical connection or the stack member connected via the link.

Recommended Action If this message was associated with a stack member starting up, no action is required.
If it was associated with a stack member failing, investigate why it failed, and restore.
Check that the stacking cable is correctly connected.

Message VCS [<pid>]: Link down event on XEM-STK link <port>

Severity Notice/5

Explanation A link-down event has occurred on a XEM stacking link. If several of these messages (and corresponding link up messages) occur at start-up, it may indicate temporary link-flapping associated with start-up. If the message is not associated with start-up, it may indicate a failure in either the physical connection or the stack member connected via the link.

Recommended Action If this message was associated with a stack member starting up, no action is required.
If it was associated with a stack member failing, investigate why it failed, and restore.
Check that the stacking cable is correctly connected.

link up on stack link

Message VCS [<pid>]: Link up event on stack link <port>

Severity Notice/5

Explanation A link-up event has occurred on a stacking link. If several of these messages (and corresponding link down messages) occur at start-up, it may indicate temporary link-flapping associated with start-up.

Recommended Action No action required.

Message VCS [<pid>]: Link up event on XEM-STK link <port>

Severity Notice/5

Explanation A link-up event has occurred on a stacking link. If several of these messages (and corresponding link down messages) occur at start-up, it may indicate temporary link-flapping associated with start-up.

Recommended Action No action required.

master election selected member

Message VCS [<pid>]: Master election selected member
<member-id> (<mac-address>)

Severity info/6

Explanation An election in the stack selected the specified stack member to be the active master.

Recommended Action If this switch is the intended stack master, no action is required.

master is offline

Message VCS [<pid>]: Resiliency link has detected master is offline

Severity Notice/5

Explanation After master failure, no healthchecks have been received from the failed stack master. This indicates that the master failed over because it was powered down, its system unexpectedly reset, or there was a power failure.

Recommended Action If this was intended, no action is required. Otherwise, check the power supply.

master oem territory

Message VCS[<pid>]: Master OEM territory is <territory-name1>, (member <member-id> | card <member-id>.<bay-id>) territory is <territory-name2>.

Severity alert/1

Explanation The stack cannot form properly unless all members are set to the same territory.

Recommended Action Display the different territories configured across the stack ('show system' command). Set the territory to be the same on all stack members ('system territory' command).

member has become active master

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has become the Active Master

Severity crit/2

Explanation This stack member has become the active master. This is because it lost contact with the previous active master, and had the highest priority of the remaining stack members to become the new master.

Recommended Action Check that the intended switch is the stack master. Investigate what happened to the previous active master, or the links to it, and resolve.

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has become the Active Master

Severity Notice/5

Explanation There was a change in the stack master. The new master may have previously been an '\Active Master\', a '\Fallback Master\' or a '\Disabled Master\'.

Recommended Action Check that the intended stack member has become the master. If not, reconfigure the stack priorities appropriately. If a master failover occurred, investigate it. If the original Active Master is still online, investigate why it has been separated from the other stack members (cable failures, intermediary stack member failures, etc). If the original Master is offline, investigate why it failed (power failure, critical process failure, hardware failure).

member has become fallback master

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has become the Fallback Master

Severity crit/2

Explanation The stack became separated. This may be because of a failure in the stacking cables or stacking module, or the slave may have been unable to rejoin the stack for some reason (for example, incompatible software or feature licenses). The slave detected that the master is still online and has become a Fallback Master - it then loads the alternative config specified by the 'stack fallback-config' command.

Recommended Action Check that the intended switch is the stack master. Check that the original stack master is still online. If the 'show stack detail' displays the stacking port status as 'Neighbor incompatible', then check other log messages in the the buffered log for the reason ('show log' command) for the reason. Otherwise, check that the stacking link status is UP on both stack members and that the stack cables are correctly connected.

member has become pending master

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has become the Pending Master

Severity crit/2

Explanation The backup stack member has become the Pending Master. Pending Master is a transient state (up to 2 seconds) entered if contact with the Active Master is lost, and the new master is unsure if the old master is still online or not. The Pending Master state is entered while the new master listens to detect the old master's presence via the resiliency-link. After up to 2 seconds, the new master then transitions to the Active Master or Disabled/Fallback Master state as appropriate.

Recommended Action No action is necessary.

member has joined stack

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has joined stack

Severity crit/2

Explanation A new stack member has joined the stack.

Recommended Action If this was intended, no action is required.

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has joined stack

Severity Notice/5

Explanation A new stack member has been discovered. If a stack member had unexpectedly failed previously, this indicates that the stack member has recovered.

Recommended Action No action required.

member has left stack

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) has left stack

Severity crit/2

Explanation A stack member has left the stack.

Recommended Action If this was intended, no action is required.

member needs to re-initialize

Message VCS [<pid>]: Member <stack-member-id> (<mac-addr>) needs to re-initialize

Severity Notice/5

Explanation The stack member had to re-initialise, either because:

- the individual stack member rebooted, or
- a stack master or stack member ID conflict meant this member had to change its stack member role or stack member ID.

Recommended Action No action required.

member-id conflict

Message VCS [<pid>]: Member-ID <stack-member-id> conflict between <mac-addr> and <mac-addr>

Severity alert/1

Explanation Two stack members had the same stack member-ID. This may be because a new member was added to the stack. The automatic master election process then determines which stack member needed to change its stack member ID.

Recommended Action Check that stack member IDs are configured as intended.

neighbour discovery successfully completed

Message VCS [<pid>]: Neighbour discovery on link <port> has successfully completed

Severity info/6

Explanation The unit successfully completed neighbour discovery on the link to detect other stack members.

Recommended Action No action required.

neighbour discovery timed out

Message VCS [<pid>]: Neighbour discovery has timed out on link <port>

Severity err/3

Explanation The stacking link is UP, but the switch is not receiving the expected traffic over this link. The VCStack is not operating correctly.

Recommended Action Check that the stacking cables are connected correctly.
If the issue is not resolved, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

Message VCS [<pid>]: Neighbour on link <port> may be incorrectly cabled or may have failed

Severity err/3

Explanation The specified stacking link is UP, but the switch is not receiving the expected traffic over this link.

Recommended Action Check that the stacking cables are connected correctly.
If the issue is not resolved, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

no stack h/w present

Message VCS [<pid>]: No stack H/W is present and stack member-ID is <stack-id-not-1> instead of the default (1)

Severity alert/1

Explanation The switch has previously been configured to have a non-default stack member ID and no stacking hardware is installed. This is typically because it was previously a member of a stack.

Recommended Action No action required. Having a switch configured with a non-default stack member ID will not cause any problems. (However, you can change the stack member-ID if you wish by using the \"stack renumber\" command.)

oem territories incompatible

Message VCS[<pid>]: OEM territories incompatible, (member <member-id> | card <member-id>.<bay-id>) will boot as a standalone system.

Severity alert/1

Explanation OEM territories configured on members of the stack do not match. One device will boot as a standalone system.

Recommended Action Display the different territories configured across the stack ('show system' command). Set the territory to be the same on all stack members ('system territory' command). If this does not resolve the issue, contact your authorised Allied Telesis distributor or reseller with the output from the "show license" command for each unit.

previous master still reachable

Message VCS [<pid>]: Detected previous master is still reachable via the resiliency link

Severity Notice/5

Explanation After the master failover, the stack master is still online, but is physically separated from the other stack members. This indicates that the separated stack members will take an alternative action to recover from the stack master failure. They cannot assume the same configuration as the master, because the master is online and this will cause network conflicts.

Recommended Action The stack has been separated into stubs. Investigate what caused the failure. Check that the new stub stack has applied the correct configuration. If not, manually reconfigure it.

rebooting stack member

Message VCS [<pid>]: Rebooting stack member <stack-member-id>

Severity alert/1

Explanation A stack member rebooted. This may have been:
- to recover from a stack master duplication
- to recover from a stack member-ID conflict.

Recommended Action Check that the intended switch is the stack master.

rebooting stack member - duplicate master

Message VCS [<pid>]: Automatically rebooting stack member-1 (MAC: <mac-address>) due to duplicate master

Severity alert/1

Explanation There were two units in the stack with the role of master; this was resolved by one of the units automatically rebooting.

Recommended Action Check that the intended switch is the stack master.

receiving healthchecks from master

Message VCS [<pid>]: Resiliency link is receiving healthchecks from master

Severity Notice/5

Explanation A backup stack member has started receiving periodic healthcheck messages from the master. This indicates the VCStack healthcheck mechanism is functioning correctly over the resiliency link.

Recommended Action No action required.

renumbering stack member

Message VCS [<pid>]: Renumbering stack member <previous-stack-member-id> to ID <new-stack-member-id>

Severity alert/1

Explanation A stack member was dynamically renumbered after a member-ID conflict.

Recommended Action Check that the switches now have the correct stack member IDs. Check the interface configuration - the switch port interface names will have changed.

slave booted from non-default location

Message VCS [<pid>]: Slave has booted from non-default location, SW version auto synchronization cannot be supported.

Severity alert/1

Explanation The backup stack member has not booted using the preferred release file stored in flash. For example, it may have booted from TFTP or ymodem, or a one-off boot may have been used. In these situations, the stack software-auto-synchronize feature cannot automatically upgrade the slave's release file.

Recommended Action Check that the backup stack member is using the same software version as the master.

software feature licensing incompatible

Message VCS[<pid>]: Software feature licensing incompatible, (member <member-id> | card <memberid>.<bay-id>) will boot as a standalone system.

Severity alert/1

Explanation The stack cannot form because software licensing does not match for all stack members. The specified unit will boot as a standalone system.

Recommended Action Make sure the software feature licensing and settings are matched across all stack members.

software incompatibility detected

Message VCS[<pid>]: Software incompatibility detected for (card <member-id>.<bay-id> | member <member-id>)

Severity alert/1

Explanation The stack members or cards have different software versions.

Recommended Action Ensure that all stack members or cards boot with the same software.

stack master detected

Message VCS [<pid>]: Stack master detected by Topology Discovery

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

stack member unreachable via layer-2 traffic

Message VCS [<pid>]: Stack member <stack-member-id> has become unreachable via Layer-2 traffic

Severity err/3

Explanation Connectivity between some stack members has been lost. This may be because a stack member unexpectedly left the stack, or because of an intermittent link failure.

Recommended Action Investigate why the stack member became unreachable - check the stack member and the link - and resolve.
If this does not provide an explanation, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

stack not enabled

Message VCS [<pid>]: Stack is not enabled on this unit, bypassing member discovery

Severity Notice/5

Explanation Stacking was either disabled on the unit by the user (for example, to speed up the startup time for a standalone SB x908), or the unit is an SB x908 without a non-stacking XEM (expansion module) present. It did not check for other stack members.

Recommended Action If the switch is intended to be a stand-alone unit, check that at least one non-stacking XEM is correctly installed.
If the unit is intended to be part of a stack, check whether stacking has been re-enabled (\`show stack detail` command), and re-enable if necessary (\`stack enable` command).

stacking ports disabled

Message VCS [<pid>]: Stacking Ports disabled: The VCS feature has been disabled

Severity alert/1

Explanation The stacking ports, and therefore the VCStack feature, were disabled.

Recommended Action If this was intended, no action is required.

stacking ports on mainboard disabled due to xem-st

Message VCS [<pid>]: The Stacking Ports present on the mainboard are disabled due to a XEM-STK being present

Severity Notice/5

Explanation When configuring VCStack stacking links for SB x908 switches, you can use either front-panel XEM-STK connectors or high-speed back-plane connectors. If a XEM-STK is present, those stacking links take precedence over the high-speed back-plane ports, and so the high-speed back-plane stacking links are disabled.

Recommended Action If this is intended, no action is required. If the stack is intended to use the high-speed back-plane stacking links, remove the stacking XEM (XEM-STK).

startup speed can be improved

Message VCS [<pid>]: Startup speed can be improved by adding `\no stack 1 enable\` to configuration

Severity alert/1

Explanation The switch is configured as a stack member, with stacking enabled, probably because it has a stacking link installed. The switch takes longer to start up when it is configured as a stack member than when it is a standalone switch.

Recommended Action If the switch has stacking hardware installed but is intended to operate in a non-stacking situation, you can improve the startup speed by disabling the stacking hardware (`\no stack enabled\` command).

sw version auto synchronization ... boot as a stan

Message VCS[<pid>]: SW version auto synchronization (failed | feature turned off | timed out | encountered unknown error), (Member <member-id> | card <member-id>.<bay-id>) will boot as a standalone system.

Severity alert/1

Explanation One of the stack members failed the software autosynchronization and will boot as a standalone system.

Recommended Action Check that all the units have the same software version file ('show system' command).

system stack role has changed

Message VCS [<pid>]: System stack role has changed from Backup Member to Active Master

Severity info/6

Explanation This stack member's role has changed from Backup Member to Active Master.

Recommended Action If this switch is the intended stack master, no action is required.

Message VCS [<pid>]: System stack role has changed from Discovering to Backup Member

Severity info/6

Explanation This stack member's role has changed from Discovering to Backup Member.

Recommended Action If this switch is intended to be a backup member, no action is required.

unreachable via layer-2 traffic

Message VCS [<pid>]: <Member> is incompatible - unreachable via Layer-2 traffic

Severity crit/2

Explanation There was an error in the stack formation. A slave member failed to join the stack correctly because it could not establish the necessary connectivity across the stacking links.

Recommended Action Reboot both stack members and check whether they reform a stack correctly. If not, contact your authorised Allied Telesis distributor or reseller with the output from the `\show tech-support\` command from both stack members. Note that the slave will be functioning as a standalone Disabled/Fallback Master, so you will need to log in to it separately.

vcs feature disabled

Message VCS [<pid>]: The VCS feature has been disabled

Severity Notice/5

Explanation The VCStack feature was disabled (`\no stack enable\` command), so the unit then operated as a standalone switch.

Recommended Action If this was intended, no action is required.

xem removed

Message VCS [<pid>]: XEM-STK in bay <xem-bay> has been removed

Severity alert/1

Explanation The stacking expansion module in this bay has been removed.

Recommended Action If this was intended, no action is required.

VRRP (vrrpd)

This chapter contains messages generated by the Virtual Router Redundancy Protocol (VRRP) program.

- *"Database Messages"* on page 734
- *"Internal Messages"* on page 735
- *"Licensing Messages"* on page 737
- *"VRRP Error Messages"* on page 738
- *"VRRP Messages"* on page 739

Database Messages

licence check returns success

Message vrrpd <pid>: SFL: [vrrpd] LicenceCheck: returns Success.

Severity info/6

Explanation The software feature licences required to run VRRP are available.

Recommended Action No action required.

Internal Messages

agentx ping retries

Message vrrpd <pid>: (Warning) AgentX: ping retries\'s no.(6) exceeds the limit (5)

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

agentx requested pdu

Message vrrpd <pid>: AgentX: requested pdu : 1

Severity warning/4

Explanation Internal software audit trace.

Recommended Action No action required.

ais healthcheck start failed

Message vrrpd <pid>: AIS healthcheck start failed with 28

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

component requested to enter hastate

Message vrrpd <pid>: Component <component-name> requested to enter hastate SA_AMF_ACTIVE

Severity info/6

Explanation Internal software audit trace.

Recommended Action No action required.

connection to aisexec lost

Message vrrpd <pid>: connection to aisexec lost (9)

Severity err/3

Explanation Internal software audit trace.

Recommended Action No action required.

Licensing Messages

licencecheck: vrrp is active

Message vrrpd <pid>: SFL: [vrrpd] LicenceCheck: VRRP is active

Severity info/6

Explanation A VRRP software feature licence is installed and available.

Recommended Action No action required.

VRRP Error Messages

vrrp error: advertisement timer failed to start

Message VRRPD[<pid>]: VRRP Error: Advertisement timer failed to start. Session <IPv4|IPv6>/<vrrp-instance-id>/<interface>

Severity err/3

Explanation The advertisement timer failed to start when the VRRP instance became the Master. As a result, this VRRP instance will not send out periodic VRRP advertisements.

Recommended Action Try disabling ('\disable\' command) and then re-enabling ('\enable\' command) the VRRP instance. If the error persists, contact your authorised Allied Telesis distributor or reseller with the output from the "\show tech-support" command.

vrrp error: master down timer failed to start

Message VRRPD[<pid>]: VRRP Error: Master down timer failed to start. Session <IPv4|IPv6>/<vrrp-instance-id>/<interface>

Severity err/3

Explanation When in the backup state, the VRRP instance failed to start the Master Down Timer that indicates when the VRRP master is considered unavailable. Failure of this timer will cause the VRRP instance to be stuck in the backup state.

Recommended Action Try disabling ('\disable\' command) and then re-enabling ('\enable\' command) the VRRP instance. If the error persists, contact your authorised Allied Telesis distributor or reseller with the output from the "\show tech-support" command.

VRRP Messages

can't transition to master state

Message VRRPD[processid]: VRRP Error: No VRRP session info;
can\'t transition to MASTER state

Severity err/3

Explanation The device failed to adopt the VRRP master role. This could affect network connectivity.

Recommended Action Check subsequent messages. If the device successfully adopts the VRRP master role, no action is required.
If it does not successfully adopt the master role, try restarting the device.
If this message and issue occur repeatedly, contact your authorised Allied Telesis distributor or reseller with the output from the \"show tech-support\" command.

transition to backup state

Message vrrpd <pid>: VRRP Event: Transition to BACKUP state for
2/2/vlan@ID@

Severity info/6

Explanation The specified switch has become a backup for the virtual router.

Recommended Action If this is intended, no action is required.

transition to master state

Message vrrpd <pid>: VRRP Event: Transition to MASTER state for 2/1/vlan@ID@

Severity info/6

Explanation The specified switch has become the master for the virtual router.

Recommended Action If this is intended, no action is required. Otherwise, investigate why the previous master failed, and restore it.