Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference

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Cisco MDS 9000 Family and Nexus 7000 Series NX-OS System Messages Reference
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Preface

This document lists and describes the system messages for Cisco NX-OS software. The system software sends these messages to the console (and, optionally, to a logging server on another system) during operation. Not all messages indicate a problem with your system. Some messages are purely informational, while others might help diagnose problems with links, internal hardware, or the system software.

This document includes system messages for all CiscoNX-OS software releases.

This chapter includes the following sections:
- Audience, page 1
- Organization, page 1
- Document Conventions, page 2
- Documentation Feedback, page 2
- Obtaining Documentation and Submitting a Service Request, page 3

Audience

This guide is for system administrators who are responsible for managing Cisco NX-OS systems.

Organization

This guide is organized as follows:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 1</td>
<td>Introduction</td>
<td>Describes the structure of system messages and the format of system log files.</td>
</tr>
<tr>
<td>Chapter 2</td>
<td>System Messages and Recovery Procedures</td>
<td>Lists the messages that may appear in log files, and indicates suggested remedies where applicable for the Cisco MDS and Nexus 7000 Family.</td>
</tr>
</tbody>
</table>
**Document Conventions**

Command descriptions use these conventions:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>boldface font</strong></td>
<td>Commands and keywords are in boldface.</td>
</tr>
<tr>
<td><strong>italic font</strong></td>
<td>Arguments for which you supply values are in italics.</td>
</tr>
<tr>
<td>[ ]</td>
<td>Elements in square brackets are optional.</td>
</tr>
<tr>
<td>[ x</td>
<td>y</td>
</tr>
<tr>
<td><strong>string</strong></td>
<td>A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.</td>
</tr>
</tbody>
</table>

Screen examples use these conventions:

| **screen font**   | Terminal sessions and information that the switch displays are in screen font. |
| **boldface screen font** | Information that you must enter is in boldface screen font. |
| **italic screen font** | Arguments for which you supply values are in italic screen font. |
| < >               | Nonprinting characters, such as passwords, are in angle brackets.           |
| [ ]               | Default responses to system prompts are in square brackets.                 |
| !, #              | An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line. |

This document uses the following conventions:

- **Note**
  Means reader *take note*. Notes contain helpful suggestions or references to material not covered in the manual.

- **Caution**
  Means reader *be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

**Documentation Feedback**

To provide technical feedback on this document, or to report an error or omission, please send your comments to nexus7k-docfeedback@cisco.com. We appreciate your feedback.
Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly What’s New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:


Subscribe to the What’s New in Cisco Product Documentation as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.
Introduction

This chapter describes system messages, as defined by the syslog protocol (RFC 3164). It describes how to understand the syslog message format and how to capture system messages for review.

This chapter contains the following sections:

- System Log Message Format, page 1-1
- Capturing System Messages and History, page 1-5

System Log Message Format

System log messages begin with a percent sign (%) and are displayed in the following formats:

- Syslog Format On a Resident Switch, page 1-1
- Syslog Format On a Remote-Logging Server, page 1-3

Syslog Format On a Resident Switch

The format for a resident syslog is:

month dd hh:mm:ss switchname facility-severity-MNEMONIC description
or
month dd hh:mm:ss switchname facility-SLOTnumber-severity-MNEMONIC description
or
month dd hh:mm:ss switchname facility-STANDBY-severity-MNEMONIC description

For example:

Nov 1 14:07:58 excal-113 %MODULE-5-MOD_OK: Module 1 is online
Nov 1 14:07:58 excal-113 %PORT-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver for interface fc1/13 is not supported

Table 1-1 System Log Message Format Description

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>month dd</td>
<td>The date and month of the error or event</td>
</tr>
<tr>
<td>hh:mm:ss</td>
<td>The time of the error or event</td>
</tr>
<tr>
<td>switchname</td>
<td>The name of the switch</td>
</tr>
<tr>
<td>facility</td>
<td>The facility of the error or event (daemon, kernel, VSHD, or other facility)</td>
</tr>
</tbody>
</table>
Chapter 1 | Introduction

System Log Message Format

Table 1-1 | System Log Message Format Description (continued)

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>severity</td>
<td>Single-digit code from 0 to 7 that indicates the severity of the message</td>
</tr>
<tr>
<td>MNEMONIC</td>
<td>Text string that uniquely describes the system message</td>
</tr>
<tr>
<td>%$VDC #$</td>
<td>An optional virtual device context (VDC) ID that appears in the description for messages requiring VDC IDs</td>
</tr>
<tr>
<td>%$VRF #</td>
<td>An optional virtual routing and forwarding (VRF) ID that appears in the description for messages requiring VRF IDs</td>
</tr>
<tr>
<td>description</td>
<td>Text string containing detailed information about the event being reported</td>
</tr>
</tbody>
</table>

FACILITY is a code consisting of two or more uppercase letters that indicate the facility to which the system message refers. A facility is a hardware device, a protocol, a feature, or a module of the system software.

System message severity codes range from 0 to 7 and reflect the severity of the condition. The lower the number, the more serious the situation. Table 1-2 lists the severity levels.

Table 1-2 | System Message Severity Levels

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – emergency</td>
<td>System unusable</td>
</tr>
<tr>
<td>1 – alert</td>
<td>Immediate action needed</td>
</tr>
<tr>
<td>2 – critical</td>
<td>Critical condition</td>
</tr>
<tr>
<td>3 – error</td>
<td>Error condition</td>
</tr>
<tr>
<td>4 – warning</td>
<td>Warning condition</td>
</tr>
<tr>
<td>5 – notification</td>
<td>Normal but significant condition</td>
</tr>
<tr>
<td>6 – informational</td>
<td>Informational message only</td>
</tr>
<tr>
<td>7 – debugging</td>
<td>Appears during debugging only</td>
</tr>
</tbody>
</table>

MNEMONIC is a code that uniquely identifies the system message.

Message-text is a text string that describes the condition. This portion of the message might contain detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because the information in these variable fields changes from message to message, it is represented here by short strings enclosed in square brackets ([ ]). A decimal number, for example, is represented as [dec].

Table 1-3 lists the representations of variable fields and the type of information in the fields.

Table 1-3 | Representation of Variable Fields in System Messages

<table>
<thead>
<tr>
<th>Representation</th>
<th>Type of Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>[dec]</td>
<td>Decimal number</td>
</tr>
<tr>
<td>[hex]</td>
<td>Hexadecimal number</td>
</tr>
<tr>
<td>[char]</td>
<td>Single character</td>
</tr>
<tr>
<td>[chars]</td>
<td>Character string</td>
</tr>
</tbody>
</table>
The following example system message shows how the variable field might be used:

```
%MODULE-5-MOD_MINORSWFAIL: Module [dec] reported a failure in service [chars]
```

In this example,

- Facility code =MODULE (indicating that it is a module-specific error)
- Severity =5 (notification)
- Alarm/event code = MOD_MINORSWFAIL
- Description of the problem = Module [dec] reported a failure in service [chars]

[dec] is the module slot number associated with this message.
[chars] is the service name that experienced this failure.

System log messages begin with a percent sign (%) and are displayed in the following format (see Table 1-4).

### Syslog Format On a Remote-Logging Server

The syslog format on a remote-logging server is:

- `month dd hh:mm:ss IP-addr-switch : year month day hh:mm:ss Timezone: facility-severity-MNEMONIC description`
- or
- `month dd hh:mm:ss IP-addr-switch : year month day hh:mm:ss Timezone: facility-SLOTnumber-severity-MNEMONIC description`
- or
- `month dd hh:mm:ss IP-addr-switch : year month day hh:mm:ss Timezone: facility-STANDBY-severity-MNEMONIC description`

For example:

```
```

**Table 1-4 System Log Message Format Description**

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>month dd</td>
<td>The date and month of the error or event</td>
</tr>
<tr>
<td>hh:mm:ss</td>
<td>The time of the error or event</td>
</tr>
<tr>
<td>IP-addr-switch</td>
<td>The IP address of the switch</td>
</tr>
<tr>
<td>facility</td>
<td>The facility of the error or event (daemon, kernel, VSHD, or other facility)</td>
</tr>
<tr>
<td>severity</td>
<td>Single-digit code from 0 to 3 that indicates the severity of the message</td>
</tr>
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<td>%$VDC #%%$</td>
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FACILITY is a code consisting of two or more uppercase letters that indicate the facility to which the system message refers. A facility is a hardware device, a protocol, a feature, or a module of the system software.

System message severity codes range from 0 to 3 and reflect the severity of the condition. The lower the number, the more serious the situation. Table 1-5 lists the severity levels.

### Table 1-5  System Log Message Format description

<table>
<thead>
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<th>Level</th>
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MNEMONIC is a code that uniquely identifies the system message.

Message-text is a text string that describes the condition. This portion of the message might contain detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because the information in these variable fields changes from message to message, it is represented here by short strings enclosed in square brackets ([ ]). A decimal number, for example, is represented as [dec]. Table 1-6 lists the representations of variable fields and the type of information in the fields.

### Table 1-6  Representation of Variable Fields in System Messages

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<thead>
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<th>Representation</th>
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</tr>
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<tbody>
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<td>Decimal number</td>
</tr>
<tr>
<td>[hex]</td>
<td>Hexadecimal number</td>
</tr>
<tr>
<td>[char]</td>
<td>Single character</td>
</tr>
<tr>
<td>[chars]</td>
<td>Character string</td>
</tr>
</tbody>
</table>

The following example system message shows how the variable field might be used:

`AUTHPRIV-3-SYSTEM_MSG: AUTHPRIV [dec] reported a failure in service [chars]`

In this example,

- Facility code =AUTHPRIV (indicating that it is a authpriv-specific error)
- Severity =3 (notification)
- Alarm/event code= SYSTEM_MSG
- Description of the problem= Authpriv [dec] reported a failure in service [chars]
- [dec] is the module slot number associated with this message.
- [chars] is the service name that experienced this failure.
Capturing System Messages and History

The system messages are displayed instantly on the console, by default, or are redirected to an internal log file, or a syslog server. System message severity levels correspond to the keywords assigned by the *logging* global configuration commands. These keywords define where and at what level these messages appear (see to the *Cisco NX-OS System Management Configuration Guide*). Only system messages that correspond to the configured logging level or higher severity messages are logged. As an example, if you set the logging level to 3 (error), then you get error, critical, alerts, and emergency system messages, but you do not get warning, notification, informational, or debugging system messages.

For complete information about handling system messages, see the *Cisco NX-OS System Management Configuration Guide, Release 4.1*.

Saving the System Messages Log

The *logging logfile* global configuration command enables copying of system messages to an internal log file and optionally sets the size of the file. To display the messages that are logged in the file, use the *show logging* EXEC command. The first message displayed is the oldest message in the buffer. To clear the current contents of the buffer, use the *clear debug-logfile* command.

Logging System Messages to a Syslog Server

The *logging host-name* command identifies a syslog server host to receive logging messages. The *host-name* argument is the name or Internet address of the host. By issuing this command more than once, you build a list of syslog servers that receive logging messages. The *no logging host-name* command deletes the syslog server with the specified address from the list of syslog servers.
System Messages and Recovery Procedures

This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each Message is followed by an explanation and a recommended action.

The book includes the following chapters.

- “A to E”
- “F to L”
- “M to R”
- “S to T”
- “U to Z”
This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### AAA Messages

This section contains the AAA messages.

#### AAA-1

**Message** AAA-1-AAA_SESSION_LIMIT_REJECT: aaa request rejected as maximum aaa sessions are in progress

**Explanation** Aaa request rejected as the limit for maximum concurrent aaa sessions is reached

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

#### AAA-2


**Explanation** Upgrading of accounting log failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  AAA-2-AAA_PROGRAM_EXIT: aaa daemon exiting: [chars]

Explanation Aaa daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

AAA-3

Message  AAA-3-AAA_ERR_MSG: [chars]

Explanation AAA Message

Recommended Action No action is required.

Message  AAA-3-AAA_NVRAMFAILURE: nvram failure

Explanation Nvram can not be read/written to. Hence accounting log can not be stored there

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

AAA-6

Message  AAA-6-AAA_ACCOUNTING_MESSAGE: [chars]

Explanation Accounting Message

Recommended Action No action is required.

AAA-7

Message  AAA-7-AAA_DBG_MSG: [chars]

Explanation AAA Debug Message

Recommended Action No action is required.

AAM Messages

This section contains the AAM messages.
AAM-2

Message  AAM-2-ELS_FC2_GL_SINDEX_LOOKUP_FAILED: Failed to lookup global port index for interface [chars]

Explanation  Failed to lookup global port index for interface [chars]

Recommended Action  No action is required.

AAM-3

Message  AAM-3-ALLOC_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]

Explanation  AAM process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action  No action is required.

Message  AAM-3-ASSERTION_FAILED: Failed in File:[chars] Line:[dec]

Explanation  AAM Process assertion failed in File:[chars], at line:[dec]

Recommended Action  No action is required.

ACLLOG Messages

This section contains the ACLLOG messages.

ACLLOG-4

Message  ACLLOG-4-ACLLOG_MAXFLOW_REACHED: [chars]

Explanation  Max flow reached in current interval: [chars]

Recommended Action  No action is required.

Message  ACLLOG-4-ACLLOG_THRESHOLD: [chars]

Explanation  Threshold Reached for Flow: [chars]

Recommended Action  No action is required.
AACLLOG-6

**Message**  AACLLOG-6-AACLLOG_FLOW_INTERVAL: [chars]

**Explanation**  Flow info in current alert interval: [chars]

**Recommended Action**  No action is required.

**Message**  AACLLOG-6-AACLLOG_NEW_FLOW: [chars]

**Explanation**  New Acllog Flow: [chars]

**Recommended Action**  No action is required.

**ACLMGR Messages**

This section contains the ACLMGR messages.

**ACLMGR-2**

**Message**  ACLMGR-2-ACLMGR_COMMIT_FAIL: Commit failed: [chars]

**Explanation**  The PPF commit failed

**Recommended Action**  No action is required.

**Message**  ACLMGR-2-ACLMGR_NO_ERRDISABLED: [chars] event on interface [chars] ([hex]) allowed to succeed in spite of access-list failure

**Explanation**  Although an access-list operation failed during a port event, the port event still finished successfully because errd isable is not allowed

**Recommended Action**  No action is required.

**Message**  ACLMGR-2-EXITING: Exit reason: [chars]

**Explanation**  The ACLMGR service process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action**  No action is required.

**Message**  ACLMGR-2-INITFAIL: ACLMGR Service Init failed: [chars]

**Explanation**  ACLMGR Service initialization failed. [chars] explains the reason for the failure.

**Recommended Action**  No action is required.
Message  ACLMGR-2-MALLOC_ERROR: Size [dec] bytes

Explanation  The ACLMGR service could not allocate memory.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  ACLMGR-2-PSS_ERROR: [chars]: PSS ret. val=[dec]

Explanation  The ACLMGR service encountered error while operating on a persistent storage database.

Recommended Action  No action is required.

ACLMGR-3

Message  ACLMGR-3-ACLMGR_DB_LOCK_MSG: ACL database message, reason: [chars], session 0x%llx, type: [chars]

Explanation  ACL PPF database lock acquire/release related message.

Recommended Action  No action is required.

Message  ACLMGR-3-ACLMGR_GSYNC_ERROR: Error occurred during global sync of ACL runtime database to standby, reason: [chars], [chars]

Explanation  ACL snapshot to send the copy of runtime database to standby failed

Recommended Action  No action is required.

Message  ACLMGR-3-ACLMGR_PPF_ERROR: PPF error: [chars]

Explanation  The PPF generated error

Recommended Action  No action is required.

Message  ACLMGR-3-ACLMGR_PSS_CORRUPTED: [chars] PSS found corrupted

Explanation  The ACLMGR service has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action  No action is required.
Message ACLMGR-3-ACLMGR_STAT_CONsolidATION_FAILURE: ACL statistic parsing or consolidation failed

Explanation A statistic update failed during the parsing or consolidation step; statistics may have been lost

Recommended Action No action is required.

Message ACLMGR-3-ACLMGR_VACL_REDIRECTION_DISABLED_REMOVAL: VACL redirection to interface [chars] ([hex]) disabled: the port has been removed

Explanation A VACL redirection to the port has been deactivated because the port has been removed

Recommended Action No action is required.

Message ACLMGR-3-ACLMGR_VERIFY_FAIL: Verify failed: [chars]

Explanation The PPF Verify failed

Recommended Action No action is required.

Message ACLMGR-3-ACLMGR_COMMIT_FAIL: Commit failed: [chars]

Explanation The PPF commit failed

Recommended Action No action is required.

Message ACLMGR-3-MTSERROR: [chars]

Explanation ACLMGR Service encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

ACLMGR-4

Message ACLMGR-4-ACLMGR_PPF_WARNING: PPF warning: [chars]

Explanation The PPF generated warning

Recommended Action No action is required.

Message ACLMGR-4-ACLMGR_VACL_REDIRECTION_DISABLED_PCM: VACL redirection to interface [chars] ([hex]) disabled: the port became a portchannel member

Explanation A VACL redirection to the port has been temporarily deactivated because it is now a member in a port channel

Recommended Action No action is required.
Message  ACLMGR-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]

Explanation  There was a version mismatch between the ACLMGR service and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action  No action is required.

ACLMGR-6

Message  ACLMGR-6-ACLMGR_PPF_NOTIF: PPF notification: [chars]

Explanation  The PPF generated notification.

Recommended Action  No action is required.

Message  ACLMGR-6-BECAME_ACTIVE: Became ACTIVE from standby mode

Explanation  The ACLMGR service on the standby supervisor became active and it is ready to serve client requests.

Recommended Action  No action is required.

Message  ACLMGR-6-BECAME_STDBY: Became STANDBY from active mode

Explanation  The ACLMGR service became standby from active mode.

Recommended Action  No action is required.

Message  ACLMGR-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

Explanation  The ACLMGR service was unable to send heartbeat to the system manager.

Recommended Action  No action is required.

Message  ACLMGR-6-SERVICE_UP: Initialized [chars]

Explanation  The ACLMGR service is up and ready. The service was initialized in [char] mode.

Recommended Action  No action is required.

Message  ACLMGR-6-SRVEXIT: ACLMGR Service shutting down gracefully

Explanation  ACLMGR Service is shutting down gracefully. This is an informational message.

Recommended Action  No action is required.
Message  ACLMGR-6-SWITCHOVER: Switching Over to other Sup.

Explanation  The ACLMGR service has successfully switched over to the standby supervisor card.

Recommended Action  No action is required.

ACLQOS Messages

This section contains the ACLQOS messages.

ACLQOS-SLOT#-2

Message  ACLQOS-SLOT#-2-ACLQOS_FAILED: ACLQOS failure: [chars]

Recommended Action  ACLQOS operation, in the ACLQOS client, has failed.

Recommended Action  If the error persists, collect the output from the show tech-support aclqos command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

Message  ACLQOS-SLOT#-2-ACLQOS_INBAND_INTERFACE_FAILURE: Inband interface lif lookup failed ([chars])

Explanation  Inband interface Loss of IMA Frame (LIF) lookup has failed.

Recommended Action  If the error persists, collect the output from the show tech-support aclqos command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

Message  ACLQOS-SLOT#-2-ACLQOS_MALLOC_FAILED: Memory allocation failed. [chars]

Explanation  Memory allocation failed. This is a critical failure

Recommended Action  If the error persists, collect the output from the show tech-support aclqos command and provide your Cisco TAC representative with the information you have gathered.

Message  ACLQOS-SLOT#-2-ACLQOS_OOTR: Tcam resource exhausted: [chars]

Explanation  The TCAM resources that are required to program ACLS have been exhausted.

Recommended Action  If the error persists, collect the output from the show tech-support aclqos command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.
Message   ACLQOS-SLOT#-2-PPF FAILED: Database failure: [chars]

Explanation   Database operation, in the ACLQOS client, has failed.

Recommended Action   If the error persists, collect the output from the `show tech-support aclqos` command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

ACLQOS-SLOT#-3

Message   ACLQOS-SLOT#-3-ACLQOS_CC_INVALID: Invalid Congestion Control parameters: [chars]

Explanation   The congestion control parameters are invalid.

Recommended Action   If the error persists, collect the output from the `show tech-support aclqos` command and provide your Cisco TAC representative with the information you have gathered.

Message   ACLQOS-SLOT#-3-ACLQOS_MCM_ERROR: MCM Message Inconsistent. Please collect MCM and ACLMgr Tech Support for all VDCs

Explanation   The MCM message is inconsistent.

Recommended Action   If the error persists, collect the output from the `show tech-support aclqos` command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

Message   ACLQOS-SLOT#-3-ACLQOS_PAUSE_INVALID: Invalid Pause parameters: [chars]

Explanation   The pause parameters are invalid.

Recommended Action   If the error persists, collect the output from the `show tech-support aclqos` command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

Message   ACLQOS-SLOT#-3-ACLQOS_QUEUING_ERROR: ACL/QoS queuing error: [chars]

Explanation   An internal error has occurred in the ACL QoS queuing configuration.

Recommended Action   If the error persists, collect the output from the `show tech-support aclqos` command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.
ACLQOS-SLOT#-4

**Message**  
ACLQOS-SLOT#-4-ACLQOS_ATOMIC_ERR: [chars]

**Explanation**  
TCAM will be overused,

**Recommended Action**  
Turn off the atomic update. The atomic update is currently enabled. It uses only 50% of TCAM size. For better utilization, either maintain the ACE which should not exceed this limit or can disable the atomic update mode.

---

**Message**  
ACLQOS-SLOT#-4-ACLQOS_BC_OVER_THRESHOLD: Bank Chaining enabled: Inst [dec]s usage has reached its threshold

**Explanation**  
TCAM is almost full

**Recommended Action**  
Warning message for TCAM is utilized for already configured features. Cannot add more result type.

---

**Message**  
ACLQOS-SLOT#-4-ACLQOS_FC_WARNING: Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: [hex], DID: [hex], SI: [dec], SI_MASK: [dec], RW_VSAN: [dec], RW_VSAN_FLAG: [dec], RW_SID: [hex], RW_SID_FLAG: [dec], RW_DID: [hex]. RW_DID_FLAG: [dec] Cleaning it up.

**Explanation**  
Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: 0x[hex], DID: 0x[hex], SI: [dec], SI_MASK: [dec], RW_VSAN: [dec], RW_VSAN_FLAG: [dec], RW_SID: 0x[hex], RW_SID_FLAG: [dec], RW_DID: 0x[hex]. RW_DID_FLAG: [dec] Cleaning it up.

**Recommended Action**  
No DDTS.

---

**Message**  
ACLQOS-SLOT#-4-ACLQOS_MATCH_ALL_MERGE_UPDATE: Warning (match_all merging): [chars]

**Explanation**  
Warning (match_all merging)

**Recommended Action**  
No DDTS.

---

**Message**  
ACLQOS-SLOT#-4-ACLQOS_OVER_THRESHOLD: Inst [dec] Tcam [dec] Bank [dec]s usage has reached its threshold

**Explanation**  
Tcam is almost full

**Recommended Action**  
No DDTS.

---

**Message**  
ACLQOS-SLOT#-4-ACLQOS_QUEUING_COS2Q_INVALID: ACL/QoS invalid queuing policy because of cos map change: [chars] queue [chars], interface [chars]

**Explanation**  
Attempted to configure an invalid queuing policy

**Recommended Action**  
No DDTS.
**Message**  ACLQOS-SLOT#-4-ACLQOS_QUEUING_INVALID: ACL/QoS invalid queuing policy: [chars]

**Explanation**  Attempted to configure an invalid queuing policy

**Recommended Action**  No DDTS.

**Message**  ACLQOS-SLOT#-4-ACLQOS_UNDER_THRESHOLD: Tcam [dec] Bank [dec]'s usage is below the threshold now

**Explanation**  Tcam’s usage is below the threshold

**Recommended Action**  No DDTS.

**Message**  ACLQOS-SLOT#-4-ACLQOS_WARNING: ACLQOS Warning: [chars]

**Explanation**  ACLQOS Warnings

**Recommended Action**  No DDTS.

**ACLQOS-SLOT#-5**

**Message**  ACLQOS-SLOT#-5-ACLQOS_DISRUPTIVE_IPV6_UPDATE: Disruptive update of IPv6 compression entries

**Explanation**  Disruptive IPv6 compression entries update

**Recommended Action**  No DDTS.

**Message**  ACLQOS-SLOT#-5-ACLQOS_NON_ATOMIC: Non atomic ACL/QoS policy update done for [chars]

**Explanation**  Non atomic ACL/QoS policy update was done

**Recommended Action**  No DDTS.

**ACLTCAM Messages**

This section contains the ACLTCAM messages.
**Message** %ACLTCAM-SLOT#-4-REGION_RISING_THRESHOLD: ACL (region) (input | output) region usage (num of in use entries of total entries) exceeded 80% on forwarding engine (num)

**Explanation** TCAM usage crossed 80% in the module, direction, region, and forwarding engine listed. This system message does not indicate that TCAM was exhausted or any TCAM programming failed.

**Recommended Action** Use the `show system internal acl tcam-usage` command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

**Message** %ACLTCAM-SLOT#-4-REGION_FALLING_THRESHOLD: ACL (region) (input | output) region usage (num of in use entries of total entries) fell below 80% on forwarding engine (num)

**Explanation** TCAM usage fell below the 80% threshold in the module, region, direction, and forwarding engine indicated.

**Recommended Action** Use the `show system internal acl tcam-usage` command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

**Message** %ACLTCAM-SLOT#-4-TOTAL_RISING_THRESHOLD: ACL total (input | output) usage (num of in use of total entries) exceeded 60% on forwarding engine (num)

**Explanation** Overall TCAM usage indicated in the forwarding engine crossed 60% in the module, direction, and forwarding engine indicated. This system message does not indicate that TCAM was exhausted or any TCAM programming failed.

**Recommended Action** Use the `show system internal acl tcam-usage` command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

**Message** %ACLTCAM-SLOT#-4-TOTAL_FALLING_THRESHOLD: ACL total (input | output) usage (num of in use of total entries) fell below 60% on forwarding engine (num)

**Explanation** Overall TCAM usage indicated in the forwarding engine fell below 60% in the module, direction, and forwarding engine indicated.

**Recommended Action** Use the `show system internal acl tcam-usage` command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*. 
ACLTCAM-2

Message ACLTCAM-2-ACL_TCAM_ADJ_EXHAUSTED: ACLTCAM failed to program route for VSAN: [dec], SID: [chars] DID: [chars], error: [chars].

Explanation ACLTCAM process experienced a failure while programming route for VSAN [dec] SID [chars] DID [chars] due to resource exhaustion. [chars] is the error code.

Recommended Action If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message ACLTCAM-2-ACL_TCAM_ALMOST_FULL: TCAM close to FULL. [chars] TCAM Usage ([dec]/[dec]) exceeded [dec]% fwd-eng: [dec], [chars]

Explanation [chars] TCAM usage [dec]/[dec] exceeded [dec] percent on fwd-engine [dec], [chars]

Recommended Action No action is required. This is a warning message that indicates the TCAM has reached some threshold value.

Message ACLTCAM-2-ACL_TCAM_CONFIG_READ_FROM_DRIVER_FAILED: [chars] [dec], Error: [hex].

Explanation Unable to read configuration from forwarding engine ASIC driver. [chars] [dec], Error: 0x[hex].

Recommended Action This could be a hardware issue with forwarding instance. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message ACLTCAM-2-ACL_TCAM_CONFIG_WRITE_TO_DRIVER_FAILED: [chars] [dec], Error: [hex].

Explanation Unable to write configuration to forwarding engine ASIC driver. [chars] [dec], Error: 0x[hex].

Recommended Action This could be a hardware issue with forwarding instance. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message ACLTCAM-2-ACL_TCAM_FLOW_STATS_READ_FAILED: Hardware flow stats read failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).

Explanation Hardware flow stats read failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

Recommended Action No action is required. This message indicates that a show command failed for getting flow statistics.
Message  ACLTCAM-2-ACL_TCAM_INIT_FAILED: Initialization failed for forwarding engine ASIC: [dec], [chars] TCAM.

Explanation  Initialization failed for forwarding engine ASIC [dec], in [chars] TCAM.

Recommended Action  Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.


Explanation  Initialization of regions failed for forwarding engine ASIC [dec], in [chars] TCAM, for [chars] Region.

Recommended Action  Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message  ACLTCAM-2-ACL_TCAM_MALLOC_FAILURE: Memory allocation failed for size [dec].

Explanation  Memory allocation is failed for size [dec] bytes.

Recommended Action  Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message  ACLTCAM-2-ACL_TCAM_MTS_FAILURE: MTS operation failed: [chars].

Explanation  MTS operation failed. [chars] is the reason.

Recommended Action  No action is required. This error is reported to an app and the app takes the required action.

Message  ACLTCAM-2-ACL_TCAM_MTS_Q_FULL: MTS queue for SAP [dec] is full

Explanation  MTS queue for SAP [dec] is full

Recommended Action  No action is required. This error is reported to an app and the app takes the required action.

Message  ACLTCAM-2-ACL_TCAM_MTS_REGISTRATION_FAILED: MTS registration failed for opCode: [dec].

Explanation  MTS registration failed for opCode: [dec].

Recommended Action  No action is required. The process aborts when it hits this error.
Message ACLTCAM-2-ACL_TCAM_NO_ROUTE: ACLTCAM failed to get route for VSAN: [dec], Rewrite: [chars] DID: [chars] DID MASK: [chars], error: [hex].


Recommended Action No action is required.

Message ACLTCAM-2-ACL_TCAM_NO_TCAM_LEFT: ACLTCAM resource exhausted for interface: [chars]

Explanation ACLTCAM hardware resource is completely used.

Recommended Action No action is required. This error is reported to an app and the app takes the required action.

Message ACLTCAM-2-ACL_TCAM_PHY_TCAM_READ_FAILED: [chars] read from hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).

Explanation [chars] read from hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

Recommended Action No action is required. The process aborts when it hits this error.

Message ACLTCAM-2-ACL_TCAM_PHY_TCAM_READ_INVALID: Invalid ([chars], value: [dec]) TCAM entry read from hardware TCAM (FWD-Engine: [dec], [chars] TCAM, Address: [dec]), Ignoring this entry.

Explanation Invalid ([chars], value: [dec]) TCAM entry from hardware TCAM(FWD-Engine: [dec], [chars] TCAM, Address: [dec]) Ignoring this entry

Recommended Action No action is required.

Message ACLTCAM-2-ACL_TCAM_PHY_TCAM_WRITE_FAILED: [chars] write to hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).

Explanation [chars] write to hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

Recommended Action No action is required. This error is reported to an app and the app takes the required action.
ACLTCAM-2

Message ACLTCAM-2-ACL_TCAM_PSS_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

Explanation Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message ACLTCAM-2-PSS_OPEN_FAILED: PSS open failed - [hex].

Explanation Persistent database handle could not obtained for ACLTCAM. [hex] is the error.

Recommended Action No action is required.

Message ACLTCAM-2-RECONS_FAILED: Reconstruction of TCAM contents failed during upgrade - [hex].

Explanation During non-disruptive upgrade, the ACLTCAM contents are not properly reconstructed. [hex] is the error.

Recommended Action No action is required. The process aborts when it hits this error.

ACLTCAM-3

Message ACLTCAM-3-ACL_TCAM_INV_TCAM_SYNC_ATTEMPT: Attempt to write invalid shadow entry: [dec] ([dec]/[dec]) to TCAM, fwd-engine: [dec] ([chars]), change-array: [dec]/[dec], <MSG_EXPL

Explanation TL Port Manager initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Message ACLTCAM-3-ACL_TCAM_MTS_Q_LEAK: Possible MTS buffer leak for SAP [dec]

Explanation Possible MTS buffer leak for SAP [dec]

Recommended Action Collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

Message ACLTCAM-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

Explanation TL Port Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.
**Message** ALCAMC-3-FC2ERROR: [chars]

**Explanation** TL Port Manager encountered an FC2 error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** ALCAMC-3-GENERROR: [chars]

**Explanation** TL Port Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** ALCAMC-3-MTSERROR: [chars]

**Explanation** TL Port Manager encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** ALCAMC-3-PSSERROR: [chars]

**Explanation** TL Port Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** ALCAMC-3-REGISTER_FAILED: Could not register to MTS opcode [chars] - error [hex].

**Explanation** ALCAM process could not register to the notifications mentioned by [chars]. [hex] is the error.

**Recommended Action** No action is required. The process aborts when it hits this error.

**ALTCAM-4**

**Message** ALCAMC-4-ALC_TCAM_BELOW_THRESHOLD: [chars] TCAM usage ([dec]/[dec]) fell below [dec]% fwd-eng: [dec], [chars]

**Explanation** [chars] TCAM usage [dec]/[dec] fell below [dec] percent on fwd-engine [dec], [chars]

**Recommended Action** No action is required. This is a warning message that indicates the TCAM has crossed the first threshold value.
**Message**  ACLTCAM-4-ACL_TCAM_BEYOND_THRESHOLD: [chars] TCAM usage ([dec]/[dec]) exceeded [dec]% fwd-eng: [dec], [chars]

**Explanation**  [chars] TCAM usage [dec]/[dec] exceeded [dec] percent on fwd-engine [dec], [chars]

**Recommended Action**  No action is required. This error is reported to an app and the app takes the required action.

**Message**  ACLTCAM-4-ACL_TCAM_FLOW_COUNTER_INDEPENDENT: Flow counter for flow: vsan: [dec], sid: [hex], did: [hex] with statistics: frames = %llu & bytes = %llu was invalidated due to: [chars]

**Explanation**  ACLTCAM process invalidated the flow counter for flow VSAN [dec] SID [hex] DID [hex] with collected stats of [dec] frames and [dev] bytes was invalidated because of reason [chars].

**Recommended Action**  No action is required. This message notifies that the counter is now active.

**Message**  ACLTCAM-4-ACL_TCAM_FLOW_COUNTER_VALIDATED: Flow counter for flow: vsan: [dec], sid: [hex], did: [hex] is now valid

**Explanation**  ACLTCAM process validated the flow counter for flow VSAN [dec] SID [hex] DID [hex].

**Recommended Action**  No action is required.

**Message**  ACLTCAM-4-ACL_TCAM_MTS_Q_HIGH: MTS queue for SAP [dec] is close to full

**Explanation**  MTS queue for SAP [dec] is close to full

**Recommended Action**  No action is required.

**Message**  ACLTCAM-4-TLPM_ALPA_CACHE_FULL: Translation Port ALPA cache is full. Some new entries may not be cached

**Explanation**  TL Port cache is currently fully populated with active entries. Hence, there is no available cache space to be assigned any newly created ALPA entry on a TL Port. This is an informational message.

**Recommended Action**  No action is required.

**ACLTCAM-6**

**Message**  ACLTCAM-6-ACL_TCAM_STATUS: Status: [chars].

**Explanation**  ACLTCAM status is reported as: [chars].

**Recommended Action**  No action is required. This error is reported to an app and the app takes the required action.
Message  ACLTCAM-6-MGRCREATED: Translation Port Manager created.

Explanation  TL Port Manager was created successfully and is up and running. This is an informational message.

Recommended Action  No action is required.

Message  ACLTCAM-6-MGREXIT: Translation Port Manager shutting down gracefully.

Explanation  TL Port Manager is shutting down gracefully. This is an informational message.

Recommended Action  No action is required.

Message  ACLTCAM-6-PORTDOWN: Translation Port [chars] DOWN.

Explanation  A port configured as TL Port is DOWN and out of operation. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

Recommended Action  No action is required.

Message  ACLTCAM-6-PORTUP: Translation Port [chars] UP.

Explanation  A port configured as TL Port is UP and operational. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

Recommended Action  No action is required.

ACL Messages

This section contains the ACL messages.

ACL-2

Message  ACL-2-ACL_HA_FAILURE: Failed to do high availability operation: [chars].

Explanation  Failed to do high availability operation. [chars] is the reason.

Recommended Action  No action is required.

Message  ACL-2-ACL_INIT_FAILED: Initialization failed for ACL: [chars], reason: [hex].

Explanation  Initialization failed for ACL due to [chars], reason: [hex].

Recommended Action  No action is required.
Message ACL-2-ACL_LINECARD_STATUS: Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error_id: [hex], catastrophic: [chars], restart count: [dec].

Explanation Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error_id: [hex], catastrophic: [chars], restart count: [dec].

Recommended Action No action is required.

Message ACL-2-ACL_MTS_FAILURE: Failed to do MTS operation: [chars].

Explanation Failed to do MTS operation. [chars] is the reason.

Recommended Action No action is required.

Message ACL-2-ACL_MTS_Q_FULL: MTS queue for SAP [dec] is full

Explanation MTS queue for SAP [dec] is full

Recommended Action No action is required.

Message ACL-2-ACL_MTS_REGISTRATION_FAILED: MTS options setting to [hex] failed for opCode: [dec].

Explanation MTS options setting to [hex] failed for opCode: [dec].

Recommended Action No action is required.

Message ACL-2-ACL_PENDING_MSG_ARR_FULL: ACL Upgrade Pending Messages Array is Full with [dec] messages. Failing the MTS message with Opc: [dec], RR_TOKEN: [hex]

Explanation ACL Upgrade Pending Messages Array is Full with [dec] messages. Failing the MTS message with Opc: [dec], RR_TOKEN: [hex]

Recommended Action No action is required.

Message ACL-2-ACL_PSS_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

Explanation Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action No action is required.

Message ACL-2-ACL_PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

Explanation There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

Recommended Action No action is required.
Message  ACL-2-ACL_RUNTIME_FAILURE: [chars] [dec], Error: [hex]
Explanation  ACL runtime failure is reported as [chars] [dec], reason: [hex].
Recommended Action  No action is required.

Message  ACL-2-ACL_TCAM_FAILURE: Failed to do TCAM operation: [chars].
Explanation  Failed to do TCAM operation. [chars] is the reason.
Recommended Action  No action is required.

ACL-3

Message  ACL-3-ACL_MTS_Q_LEAK: Possible MTS buffer leak for SAP [dec]
Explanation  Possible MTS buffer leak for SAP [dec]
Recommended Action  No action is required.

ACL-4

Message  ACL-4-ACL_MTS_Q_HIGH: MTS queue for SAP [dec] is close to full
Explanation  MTS queue for SAP [dec] is close to full
Recommended Action  No action is required.

Message  ACL-4-ACL_WARNING: [chars] [dec]
Explanation  ACL warning messages is reported as [chars] [dec].
Recommended Action  No action is required.

ACL-5

Explanation  Successfully completed the command \\{chars\\} on Generation 2 linecards.
Recommended Action  No action is required.
ACL-6

**Message**  ACL-6-ACL_DIAG_EVENT_STATUS: [chars] [hex].

**Explanation**  ACL system health management event status is reported as [chars] [hex].

**Recommended Action**  No action is required.

**Message**  ACL-6-ACL_E_PORT_EVENT_STATUS: [chars] [chars].

**Explanation**  ACL xEport event status is reported as [chars] [chars].

**Recommended Action**  No action is required.

**Message**  ACL-6-ACL_FCC_EVENT_STATUS: [chars] [chars].

**Explanation**  ACL FCC event status is reported as [chars] [chars].

**Recommended Action**  No action is required.

**Message**  ACL-6-ACL_LINECARD_EVENT_STATUS: [chars] [hex].

**Explanation**  ACL linecard event status is reported as [chars] [dec].

**Recommended Action**  No action is required.

**Message**  ACL-6-ACL_MCAST_EVENT_STATUS: [chars] [chars].

**Explanation**  ACL multicast event status is reported as [chars] [chars].

**Recommended Action**  No action is required.

**Message**  ACL-6-ACL_NX_PORT_EVENT_STATUS: [chars] [chars].

**Explanation**  ACL Nx Port event status is reported as [chars] [chars].

**Recommended Action**  No action is required.

**Message**  ACL-6-ACL_PORT_MODE_EVENT_STATUS: [chars] [chars].

**Explanation**  ACL portmode event status is reported as [chars] [chars].

**Recommended Action**  No action is required.
**Message** ACL-6-ACL_RUNTIME_STATUS: [chars] [dec]

**Explanation** ACL runtime status is reported as [chars] [dec].

**Recommended Action** No action is required.

**Message** ACL-6-ACL_SPAN_DEST_CONFIG_STATUS: [chars] [chars].

**Explanation** ACL SPAN destination config event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL_SPAN_SRC_CONFIG_STATUS: [chars] [chars].

**Explanation** ACL SPAN source config event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL_STATUS: ACL Status: [chars].

**Explanation** ACL status is reported as [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL_UPDATE_SSRAM_QOS_EVENT_STATUS: [chars] [chars].

**Explanation** ACL update SSRAM for QoS event status is reported as [chars] [chars].

**Recommended Action** No action is required.

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**AGNI-DPP Messages**

This section contains the AGNI-DPP messages.

**AGNI-DPP-2**

**Message** AGNI-DPP-2-AGNI_DPP_PRINT_2HEX: [chars] [hex] [hex]

**Explanation** Print a string and 1 value

**Recommended Action** No action is required.

**Message** AGNI-DPP-2-AGNI_DPP_PRINT_HEX: [chars] [hex]

**Explanation** Print a string and 1 value

**Recommended Action** No action is required.
Message AGNI-DPP-2-AGNI_DPP_PRINT_INT: [chars] [dec]

Explanation  Print a string and 1 value

Recommended Action  No action is required.

Message AGNI-DPP-2-AGNI_DPP_PRINT_STR: [chars] [chars]

Explanation  Print a string and 1 value

Recommended Action  No action is required.

Message AGNI-DPP-2-AGNI_DPP_PRINT: [chars]

Explanation  Print a string

Recommended Action  No action is required.

AGNI-DPP-6

Message AGNI-DPP-6-AGNI_DPP_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

AGNL2F Messages

This section contains the AGNL2F messages.

AGNL2F-6

Message AGNL2F-6-AGNL2F_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

ALI_LC Messages

This section contains the ALI_LC messages.
ALI_LC-2

Message ALI_LC-2-INIT_FAIL: [chars]

Explanation Initialization failed

Recommended Action No action is required.

Message ALI_LC-2-INTERNAL_PORT_FAILURE: Internal port [dec] reinit failed due to [chars]

Explanation An Internal port number [dec] on the board has failed due to reason [chars]. The corresponding ethernet port may become unusable

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message ALI_LC-2-INTERNAL_PORT_REINIT: Internal port [dec] has been reinitialized due to [chars]

Explanation An Internal port number [dec] on the board was reinitialized due to reason [chars]. The corresponding ethernet port may experience some packet drops

Recommended Action No action is required.

Message ALI_LC-2-MTS_FAILURE: [chars]

Explanation MTS send/receive failed

Recommended Action No action is required.

Analytics Messages

This section contains the SAN Analytics and SAN Telemetry Streaming messages.
**ANALYTICS-3-FTMGR_MOD_EXCESS_ITLS**

**Message**  %ANALYTICS-3-FTMGR_MOD_EXCESS_ITLS: Total monitored ITL count in module [dec] exceeds module limit ([num-ITLs] active ITLs). Analytics data may be incomplete.

**Explanation**  There is a limit on the maximum number of ITLs that the SAN Analytics feature supports per module and per switch. For more information, see the Cisco MDS NX-OS Configuration Limits, Release 8.x.

**Recommended Action**  Please reduce the number of ports on which Analytics is enabled in the module indicated. Run the show running-config analytics command, to get Analytics enabled interface ports. Run the show analytics system-load command, to verify the system load count in each module.

**Caution**  If the ITL count exceeds the maximum limit, a syslog will be generated and the normal functioning of the switch may be impacted. We recommend that you configure the logging level analytics 4 command immediately after configuring the SAN Analytics feature for this syslog to be logged on the switch.

**ANALYTICS-3-FTMGR_SYS_EXCESS_ITLS**

**Message**  %ANALYTICS-3-FTMGR_SYS_EXCESS_ITLS: Total monitored ITL count in the system exceeds system limit (<num-ITLs> active ITLs). Analytics data may be incomplete.

**Explanation**  There is a limit on the maximum number of ITLs that the SAN Analytics feature supports per module and per switch. For more information, see the Cisco MDS NX-OS Configuration Limits, Release 8.x.

**Recommended Action**  Please reduce the number of ports on which Analytics is enabled in the switch. Run the show running-config analytics command, to get Analytics enabled interface ports. Run the show analytics system-load command, to verify the ITLs count in the switch.

**Caution**  If the ITL count exceeds the maximum limit, a syslog will be generated and the normal functioning of the switch may be impacted. We recommend that you configure the logging level analytics 4 command immediately after configuring the SAN Analytics feature for this syslog to be logged on the switch.
ANALYTICS-4-FTMGR_MOD_HIGH_NPU_LOAD

Message  %ANALYTICS-4-FTMGR_MOD_HIGH_NPU_LOAD: Switch is experiencing high NPU load.

Explanation  Switch is experiencing high NPU load per module and across the switch.

Recommended Action  Please reduce the number of ports on which Analytics is enabled in the module indicated or enable Port Sampling. Run the show running-config analytics command, to get Analytics enabled interface ports. Run the show analytics system-load command, to verify the ITLs count in each module. For more information on Port Sampling, see the “Port Sampling” section in the Cisco MDS 9000 Series SAN Analytics and SAN Telemetry Streaming Configuration Guide.

Caution  If the NPU load is high, NPU may not inspect all the IOs and the metrics reported can be inaccurate. We recommend that you configure the logging level analytics 4 command immediately after configuring the SAN Analytics feature for this syslog to be logged on the switch.

ANALYTICS-5-FTMGR_QUERY_CLEAR_OPTION_CONFLICT

Message  %ANALYTICS-5-FTMGR_QUERY_CLEAR_OPTION_CONFLICT: In a pull query result the min/max/peak metrics may not be accurate, as the push query already installed on a [view-instance] view with clear option.

Explanation  Clear option in a push query affects the results of some metrics for other queries of the same view.

Recommended Action  Please do not execute a pull query for view on which a push query is already installed with clear option.

ANALYTICS_CLIENT-SLOT#-2-NPU_HUNG_TIMER_EXPIRED

Message  %ANALYTICS_CLIENT-SLOT#-2-NPU_HUNG_TIMER_EXPIRED: No response from NPU for Analytics data. Analytics data may be incomplete for this module.

Explanation  The NPU on the named module did not respond to a request within the expected time frame.

Recommended Action  The status of the NPU on this module should be checked. The module may need to be reloaded to restart the NPU. Please collect the output of the show tech-support analytics command and contact your reseller or Cisco TAC for support.

AMM Messages

This section contains the AMM messages.
AMM-SLOT#-0

Message AMM-SLOT#-0-CLI_INIT_FAILED: CLI library initialization failed!
Explanation AMM failed to initialize CLI infrastructure\backend\library. This is a fatal error.
Recommended Action No action is required.

Message AMM-SLOT#-0-TIMER_INIT_FAILED: Timer subsystem initialization failed!
Explanation AMM failed to initialize timer library. This is a fatal error.
Recommended Action No action is required.

AMM-SLOT#-2

Message AMM-SLOT#-2-AMM_MEM_ALLOC: Memory allocation failed. [chars]
Explanation Memory allocation failed. This is a critical failure
Recommended Action No action is required.

Message AMM-SLOT#-2-AMM_RECOVERY_ERROR: Error in Recovery: [chars]
Explanation AMM failed to recover after a re-start. This is a fatal error.
Recommended Action No action is required.

AMM-SLOT#-6

Message AMM-SLOT#-6-INITIALIZED: Internal state created [chars]
Explanation AMM has created its internal state stateless/stateful [chars].
Recommended Action No action is required.

APP EMULATOR Messages

This section contains the APP EMULATOR messages.
APP EMULATOR-SLOT#-5


Explanation  The DPP associated with the Virtual Target has crashed

Recommended Action  No action is required.


Explanation  The activate step for a Virtual Target has failed

Recommended Action  No action is required.

Message  APP EMULATOR-SLOT#-5-LOG_ERR_EMULATOR_VT_CREATE_FAIL: VSAN: [dec] VT pWWN:[chars] VT and NPort creation FAILED!!

Explanation  The Virtual Target and nport creation failed

Recommended Action  No action is required.


Explanation  The Virtual Target in the associated VSAN is being destroyed

Recommended Action  No action is required.

Message  APP EMULATOR-SLOT#-5-LOG_ERR_EMULATOR_VT_VSAN_DOWN: VSAN: [dec] VT pWWN:[chars] VSAN down

Explanation  The VSAN where the Virtual Target is configured is down

Recommended Action  No action is required.

ARBITER Messages

This section contains the ARBITER messages.
ARBITER-2

Message ARBITER-2-CATASTROPHIC_FAILURE: Arbiter Catastrophic interrupt: [chars]
Explanation Arbiter triggered Catastrophic error interrupt
Recommended Action Please contact your support representative

Message ARBITER-2-MBIST_FAIL: Arbiter MBIST failed: [chars]
Explanation Arbiter failed built in self test
Recommended Action Please contact your support representative

ASCII-CFG Messages

This section contains the ASCII-CFG messages.

ASCII-CFG-2

Message ASCII-CFG-2-ACFG_CONFIGURATION_APPLY_ERROR: Error encountered while ASCII configuration was being applied. Please use show startup-config log to view details
Explanation At least one command failed while ASCII configuration was being applied
Recommended Action No action is required.

Message ASCII-CFG-2-ACFG_LIB_INVOKE_ERR: ASCII config library invocation error: [chars]
Explanation Error encountered while library function was being invoked to display ASCII configuration
Recommended Action No action is required.

Message ASCII-CFG-2-ACFG_OPER_FAIL: Operation failed because of [chars]
Explanation Operation failed
Recommended Action No action is required.
**Message** ASCII-CFG-2-ACFG_ROLLBACK_FAILED: Rollback to checkpoint [chars] Failed, Going to undo the changes (atomic option)

**Explanation** Rollback operation failed for atomic option

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG_ROLLBACK_UNDO_FAILED: Undo failed for atomic Rollback, Please correct the error manually and retry rollback

**Explanation** Undoing the rollback changes (for atomic behavior) Failed

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG_SYSLOG_INIT_FAILED: ASCII config Syslog Init Error

**Explanation** Error encountered while Initializing Syslog for ASCII Config

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**ASCII-CFG-3**

**Message** ASCII-CFG-3-ACFG_MTSERROR: [chars]

**Explanation** ASCII-cfg-server (rollback process) encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**ASCII-CFG-6**

**Message** ASCII-CFG-6-ACFG_CHECKPOINT_CLEAR_DATABASE: cleared all the configuration checkpoints

**Explanation** Cleared all the configuration checkpoints

**Recommended Action** No action is required.
Message  ASCII-CFG-6-ACFG_CHECKPOINT_CREATED: Created configuration checkpoint
[chars]

Explanation  Created configuration checkpoint

Recommended Action  No action is required.

Message  ASCII-CFG-6-ACFG_CHECKPOINT_DELETED: Deleted configuration checkpoint
[chars]

Explanation  Deleted configuration checkpoint

Recommended Action  No action is required.

Message  ASCII-CFG-6-ACFG_MAX_CHECKPOINTS: Maximum no of checkpoints reached, Removing the oldest checkpoint

Explanation  Maximum no. of checkpoints reached, removing the oldest checkpoint

Recommended Action  No action is required.

Message  ASCII-CFG-6-ACFG_ROLLBACK_ATOMIC: Performing configuration rollback to checkpoint [chars] (with atomic option)

Explanation  Performing configuration rollback with atomic option

Recommended Action  No action is required.

Message  ASCII-CFG-6-ACFG_ROLLBACK_BEST: Performing configuration rollback to checkpoint [chars] (with best-effort option)

Explanation  Performing configuration rollback with best-effort option

Recommended Action  No action is required.

Message  ASCII-CFG-6-ACFG_ROLLBACK_FIRST_ERR: Performing configuration rollback to checkpoint [chars] (with stop-at-first failure option)

Explanation  Performing configuration rollback with stop-at-first-failure option

Recommended Action  No action is required.

Message  ASCII-CFG-6-INFORMATION: [chars]

Explanation  An event happened that affects Acfg-Rollback. [chars] indicates the event

Recommended Action  No action is required.
ASSOC MGR Messages

This section contains the ASSOC MGR messages.

ASSOC MGR-0

Message  ASSOC_MGR-0-EMERGENCY_MSG: [chars]

Explanation  Association Manager Emergency Message

Recommended Action  Please file the bug for Association Manager Component through CDETS

ASSOC MGR-1

Message  ASSOC_MGR-1-ALERT_MSG: [chars]

Explanation  Association Manager Alert Message

Recommended Action  Association Manager Internal Operation Alert

ASSOC MGR-2

Message  ASSOC_MGR-2-CRITICAL_MSG: [chars]

Explanation  Association Manager Critical Message

Recommended Action  No action is required.

ASSOC MGR-3

Message  ASSOC_MGR-3-ERROR_MSG: [chars]

Explanation  Association Manager Message

Recommended Action  No action is required.
ASSOC MGR-4

Message ASSOC_MGR-4-WARN_MSG: [chars]
Explanation Association Manager Warning Message
Recommended Action No action is required.

ASSOC MGR-5

Message ASSOC_MGR-5-NOTIF_MSG: [chars]
Explanation Association Manager Notification Message
Recommended Action No action is required.

ASSOC MGR-6

Message ASSOC_MGR-6-ASSOC_ACTIVATED: Association Activated for vlan id: [dec] <-> vsan id: [dec]
Explanation Association Activated
Recommended Action No action is required.

Message ASSOC_MGR-6-ASSOC_CREATED: Association Created for vlan id: [dec] <-> vsan id: [dec]
Explanation Association Created
Recommended Action No action is required.

Message ASSOC_MGR-6-ASSOC_DEACTIVATED: Association Deactivated for vlan id: [dec] <-> vsan id: [dec]
Explanation Association Deactivated
Recommended Action No action is required.

Message ASSOC_MGR-6-ASSOC_DELETED: Association Deleted for vlan id: [dec] <-> vsan id: [dec]
Explanation Association Deleted
Recommended Action No action is required.
Message  ASSOC_MGR-6-ASSOC_MGR_STATEFULL_RESTART: Association Manager Statefull Restart

Explanation  Association Manager Stateful Restart

Recommended Action  No action is required.

Message  ASSOC_MGR-6-ASSOC_MGR_STATELESS_RESTART: Association Manager Stateless Restart

Explanation  Association Manager Stateless Restart

Recommended Action  No action is required.

Message  ASSOC_MGR-6-ASSOC_OPER_STATUS_CHG: Association status for vlan id: [dec] <-> vsan id: [dec] changed from [chars] to [chars]

Explanation  Association Operational State Change

Recommended Action  No action is required.

Message  ASSOC_MGR-6-INFO_MSG: [chars]

Explanation  ASSOC Manager Informational Message

Recommended Action  No action is required.

ASSOC MGR-7

Message  ASSOC_MGR-7-DEBUG_MSG: [chars]

Explanation  Association Manager Debug Message

Recommended Action  No action is required.

ATLANTIS_APP Messages

This section contains the ATLANTIS_APP messages.

ATLANTIS_APP-SLOT#-2

Message  ATLANTIS_APP-SLOT#-2-ATLANTIS_APP_EXITED: Atlantis driver application exited (syserr = [dec], errno = [dec])

Explanation  Atlantis driver application exited

Recommended Action  No action is required.
AUTHPRIV Messages

Message %AUTHPRIV-2-SYSTEM_MSG: [chars]

Explanation This message provides additional information about errors related to authentication and SSH.

Recommended Action Perform additional debugging to resolve the issue.

AZUMA Messages

This section contains the AZUMA messages.

AZUMA-2

Message AZUMA-2-DPFPGA_HW_PROG_FAIL: DPFPGA [dec] hardware initialization failed - [chars]

Explanation DPFPGA hardware initialization failure. If hardware configure fails, please do the parallel epld upgrade again.

AZUMA-6

Message AZUMA-6-DPFPGA_DEBUG_MSG: [chars]

Explanation Debug log message

Recommended Action No action is required.

BET Messages

This section contains the BET messages.

BET-6

Message BET-6-BET_DEBUG_MSG: [chars]

Explanation Debug log message

Recommended Action No action is required.
BFDC Messages

This section contains the BFDC messages.

BFDC-SLOT#-2

**Message** BFDC-SLOT#-2-BFDC_GENERAL_FAILURE: General failure. [chars]

**Explanation** General failure. This is a critical failure

**Recommended Action** No DDTS.

**Message** BFDC-SLOT#-2-BFDC_MALLOC_FAILED: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No DDTS.

**Message** BFDC-SLOT#-2-BFDC_MTS_FAILURE: MTS failure. [chars]

**Explanation** MTS related failure. This is a critical failure

**Recommended Action** No DDTS.

BFD Messages

This section contains the BFD messages.

BFD-3

**Message** BFD-3-REACHED_CAPACITY_LIMIT: BFD session [chars] creation on interface [chars] failed due to capacity limit [dec]

**Explanation** BFD session [chars] creation on interface [chars] failed due to current capacity limit [dec]

**Recommended Action** Please remove current BFD sessions to make room for new ones

**Message** BFD-3-SESSION_ACL_INSTALL_GAVE_UP: BFD session [chars] installation failed due to ACL installation failure interface [chars]

**Explanation** BFD session [chars] installation failed due to ACL installation failure interface [chars]

**Recommended Action** Maximum ACL install retries exceeded. Please to free up ACL resources
Message  BFD-3-SESSION_ACL_REMOVE_GAVE_UP: BFD session [chars] removal failed due to ACL removal failure interface [chars]

Explanation  BFD session [chars] removal failed due to ACL removal failure interface [chars]

Recommended Action  Maximum ACL removal retries exceeded. Please manually remove BFD sessions

Message  BFD-3-SESSION_CREATE_FAIL: Failed to create BFD session to neighbor [chars] over interface [chars]. Reason [chars]

Explanation  Failed to create BFD session to neighbor [chars] over interface [chars] Reason [chars]

Recommended Action  SYSLOGDPC_NO_ACTION

BFD-4

Message  BFD-4-INVALID_NBR: Attempt to BFD session failed for application [chars].

Explanation  Attempt to BFD session failed for application [chars].

Recommended Action  No action is required.

Message  BFD-4-SESSION_DELETE_FAIL: Attempt to delete BFD session for neighbor [chars] failed: Reason [chars] ([hex]).

Explanation  Attempt to delete BFD session for neighbor [chars] failed: Reason [chars] (0x[hex]).

Recommended Action  No action is required.

BFD-5

Message  BFD-5-BFD_DISABLED: BFD Disabled

Explanation  BFD Service Disabled

Recommended Action  No action is required.

Message  BFD-5-BFD_ENABLED: BFD Enabled

Explanation  BFD Service enabled

Recommended Action  No action is required.
Message  BFD-5-SESSION_ACTIVE_PARAMS_CHANGE: Local parameter of BFD session [hex] has changed [chars]

Explanation   Local parameter of BFD session 0x[hex] has changed [chars]

Recommended Action  No action is required.

Message  BFD-5-SESSION_CREATED: BFD session to neighbor [chars] on interface [chars] has been created

Explanation   BFD session to neighbor [chars] on interface [chars]

Recommended Action  No action is required.

Message  BFD-5-SESSION_LOCAL_PARAMS_CHANGE: Local parameter of BFD session [hex] has changed [chars]

Explanation   Local parameter of BFD session 0x[hex] has changed [chars]

Recommended Action  No action is required.

Message  BFD-5-SESSION_MOVED: BFD session [hex]: [chars]

Explanation   BFD session 0x[hex]: [chars]

Recommended Action  No action is required.

Message  BFD-5-SESSION_NO_RESOURCES: No resource for session to neighbor [chars] on interface [chars]

Explanation   The BFD session can not be created or modified due to lack of resources. [It has reached the maximum number of packets per second allowed on the linecard.] No resources for session to neighbor [chars]

Recommended Action  Remove other BFD sessions [or reduce the Tx/Rx timers] to free resources for this session

Message  BFD-5-SESSION_REMOVED: BFD session to neighbor [chars] on interface [chars] has been removed

Explanation   BFD session to neighbor [chars] on interface [chars]

Recommended Action  No action is required.
**Message** BFD-5-SESSION_STATE_DOWN: BFD session [chars] to neighbor [chars] on interface [chars] has gone down. Reason: [hex].

**Explanation** BFD session [chars] to neighbor [chars] on interface [chars] has gone down. Reason: 0x[hex]. This may be as a result of the forwarding path being down.

**Recommended Action** No action is required.

**Message** BFD-5-SESSION_STATE_UP: BFD session [chars] to neighbor [chars] on interface [chars] is up.

**Explanation** BFD session [chars] to neighbor [chars] on interface [chars] is up.

**Recommended Action** No action is required.

**BFD-6**

**Message** BFD-6-SESSION_ACL_INSTALL_FAILED: BFD session [chars] failed due to missing ACL resources for interface [chars]

**Explanation** BFD session [chars] failed due to missing ACL resources for interface [chars]

**Recommended Action** No action is required.

**Message** BFD-6-SESSION_ACL_REMOVE_FAILED: BFD session [chars] removal failed due to missing ACL resources for interface [chars]

**Explanation** BFD session [chars] removal failed due to missing ACL resources for interface [chars]

**Recommended Action** No action is required.

**BIOS DAEMON Messages**

This section contains the BIOS DAEMON messages.

**BIOS DAEMON-2**

**Message** BIOS_DAEMON-2-BIOS_DAEMON_FLASH_WARNING: Flash chip not supported by running image. Skipping BIOS upgrade.

**Explanation** BIOS CHIP NOT SUPPORTED

**Recommended Action** No action is required.
Message  BIOS_DAEMON-2-BIOS_DAEMON_PRI_BOOT_FAIL: System booted from Alternate BIOS Flash

Explanation  Boot from Alternate

Recommended Action  SYSLOGDOC_NOACTION

Message  BIOS_DAEMON-2-BIOS_DAEMON_SUP_ERROR: BIOS Sector ([dec]) is write protected

Explanation  BIOS WRITE PROTECTED

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

BIOS DAEMON-5

Message  BIOS_DAEMON-5-BIOS_DAEMON_PRI_BOOT: System booted from Primary BIOS Flash

Explanation  Boot from Primary

Recommended Action  SYSLOGDOC_NOACTION

BIOS DAEMON-SLOT#-2

Message  BIOS_DAEMON-SLOT#-2-BIOS_DAEMON_LC_ERROR: BIOS Sector ([dec]) is write protected

Explanation  BIOS WRITE PROTECTED

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  BIOS_DAEMON-SLOT#-2-BIOS_DAEMON_LC_PRI_BOOT_FAIL: System booted from Alternate BIOS Flash

Explanation  Boot from Alternate

Recommended Action  SYSLOGDOC_NOACTION

BIOS DAEMON-SLOT#-5

Message  BIOS_DAEMON-SLOT#-5-BIOS_DAEMON_LC_PRI_BOOT: System booted from Primary BIOS Flash

Explanation  Boot from Primary

Recommended Action  SYSLOGDOC_NOACTION
BLOGGERD Messages

This section contains the BLOGGERD messages.

**BLOGGERD-2**

**Message**  BLOGGERD-2-BLOGGERD_SYSLOG_TRANSFER_ERROR_DISABLED: [chars]

**Explanation**  Blogger Log Transfer has been error disabled

**Recommended Action**  Please collect BloggerD tech support using "show tech bloggerd-all"

**BLOGGERD-3**

**Message**  BLOGGERD-3-BLOGGERD_INVALID_VDC: At [chars] ([dec]) Invalid VDC [dec]

**Explanation**  Invalid VDC ID

**Recommended Action**  Please collect BloggerD tech support using "show tech bloggerd-all"


**Explanation**  Log Dump Throttled

**Recommended Action**  Please collect BloggerD tech support using “show tech bloggerd-all"

**Message**  BLOGGERD-3-BLOGGERD_MOVE_LOGS_SCRIPT_NOT_FOUND: At [chars] ([dec]) Move Logs Script Not Found at [chars]

**Explanation**  Move Log Script Not Found

**Recommended Action**  Please collect BloggerD tech support using “show tech bloggerd-all"

**Message**  BLOGGERD-3-BLOGGERD_PATH_NOT_FOUND: At [chars] ([dec]) Path [chars] NOT found

**Explanation**  Required Path Not Found

**Recommended Action**  Please collect BloggerD tech support using “show tech bloggerd-all"
Message  BLOGGERD-3-BLOGGERD_SYSLOG_CONFIG_PULL_FAILED: At [chars] ([dec]) Config Pull Failed. Returned [hex] ([chars])

Explanation  Blogger Config Pull Failed

Recommended Action  Please collect BloggerD tech support using "show tech bloggerd-all"

Message  BLOGGERD-3-BLOGGERD_SYSLOG_MTS_UNDROP: MTS is not dropped by Node [hex] SAP [dec]

Explanation  MTS not dropped

Recommended Action  Please collect BloggerD tech support using "show tech bloggerd-all"

Message  BLOGGERD-3-BLOGGERD_SYSLOG_PSS_FAILURE: At [chars] ([dec]) Internal PSS Error. Returned: [hex] ([chars])

Explanation  PSS Operation Failed

Recommended Action  Please collect BloggerD tech support using "show tech bloggerd-all"

Message  BLOGGERD-3-BLOGGERD_SYSLOG_SDWRAP_INIT_FAILED: At [chars] ([dec]) sdwrap initialization failed. Returned: [hex] ([chars])

Explanation  SDWrap Debug Init failed

Recommended Action  Please collect BloggerD tech support using "show tech bloggerd-all"

Message  BLOGGERD-3-BLOGGERD_SYSLOG_THREAD_CREATE_FAILED: At [chars] ([dec]) Thread Creation Failed [hex] errno: [dec]([chars])

Explanation  Thread Creation Failed

Recommended Action  Please collect BloggerD tech support using "show tech bloggerd-all"

BLOGGERD-4

Message  BLOGGERD-4-BLOGGERD_FLOW_CONTROL_ENABLED: Temporarily suspending BloggerD Log Transfer from Modules due to lack of space (available: %ld MB) on Active SUP

Explanation  Flow Control Enabled. Transfer from Modules temporarily suspended

Recommended Action  Please collect BloggerD tech support using "show tech bloggerd-all"
Message BLOGGERD-4-BLOGGERD_FLOW_CONTROL_RESET: Revoking temporary Log Transfer Suspension from Modules. Space available now: %ld MB

Explanation Flow Control Reset. Transfer from Modules re-enabled

Recommended Action Please collect BloggerD tech support using “show tech bloggerd-all”

BLOGGERD-6

Message BLOGGERD-6-BLOGGERD_INFO: [chars]

Explanation Info

Recommended Action Please collect BloggerD tech support using “show tech bloggerd-all”

BOOTUP TEST Messages

This section contains the BOOTUP TEST messages.

BOOTUP TEST-2

Message BOOTUP_TEST-2-EOBC_FAIL: Module [dec] has failed test [chars] on EOBC due to error [chars]

Explanation Online diagnostics EOBC test has failed

Recommended Action No action is required.

Message BOOTUP_TEST-2-EOBC_SKIP: Module [dec] has failed test [chars] on EOBC due to error [chars]

Explanation Online diagnostics Management Port test has failed

Recommended Action No action is required.

Message BOOTUP_TEST-2-MGMT_PORT_FAIL: Module [dec] has failed test [chars] on Management Port due to error [chars]

Explanation Online diagnostics Management Port test has failed

Recommended Action No action is required.
Message  BOOTUP_TEST-2-MGMT_PORT_SKIP: Module [dec] has skipped test [chars] on Management Port due to error [chars]

Explanation  Online diagnostics Management Port test is skipped

Recommended Action  No action is required.

BOOTVAR Messages

This section contains the BOOTVAR messages.

BOOTVAR-2

Message  BOOTVAR-2-ALLOC_MEMORY: Memory allocation failed

Explanation  The service failed to allocate memory.

Recommended Action  Check if the system is low on memory, if so reset the switch.

Message  BOOTVAR-2-AUTOCOPY_FAILED: Autocopy of file [chars] to standby failed. [chars] (Error-id: [hex])

Explanation  The image deemed to be copied to standby via the auto-copy feature failed. 

Recommended Action  Check error id for specified reason.


Explanation  Image synchronization failed.

Recommended Action  Check that there is enough space on the flash, as well as system high availability status.

Message  BOOTVAR-2-CONFIG_ERROR: Failed to update boot configuration

Explanation  An error has occurred during the update of the boot configuration files

Recommended Action  Check that there is enough space on the flash, show boot to check the configured image names, show loader internal configuration to compare them with the current bootloader configuration, if they are not coherent do write erase and retry to save the configuration.

Message  BOOTVAR-2-IMAGE_NOT_COMPATIBLE: Warning: image [chars] is not compatible with the current platform in SUP [dec]

Explanation  The input image name is not compatible with the current platform.

Recommended Action  Make sure a right image is specified before reboot.
BOOTVAR-3

**Message**  
BOOTVAR-3-AUTOCOPY_FAILED_STANDBY_FULL: Autocopy of file [chars] to standby failed due to not enough disk space on standby

**Explanation**  
There is not enough disk space on the standby for the file to be copied.

**Recommended Action**  
Clear space on the standby disk.

**Message**  
BOOTVAR-3-INIT_FAILED: Initialization failed: Component [chars]

**Explanation**  
The service failed to start The failure occurs during initialization of the component [chars].

**Recommended Action**  
Show processes to check the status of the other processes, pay attention to the specified component.

**Message**  
BOOTVAR-3-LOAD_VERIFY_LIB_FAILED: Fetching library [chars] failed, reason=[chars]

**Explanation**  
Failed to load bootvar specified verification library.

**Recommended Action**  
No action is required.

**Message**  
BOOTVAR-3-MODULE_LOCK_FAIL: Unable to get module lock, please don't reload <error-id:[hex]>

**Explanation**  
Unable to acquire modlock to prevent user to reload during auto-sync.

**Recommended Action**  
No action is required.

**Message**  
BOOTVAR-3-NEIGHBOR_REJECT_AUTOCOPY: auto-copy failed - not supported by neighbor supervisor.

**Explanation**  
Standby supervisor does not support auto-copy, thus failed.

**Recommended Action**  
No action is required.

**Message**  
BOOTVAR-3-VERIFY_FAILED: Image [chars] for bootvar [chars] verification failed, reason=[chars]

**Explanation**  
The image set for this bootvar has failed the verification process, this is just a warning.

**Recommended Action**  
Check reason to determine actions.
BOOTVAR-5

Message  BOOTVAR-5-AUTOCOPY_SUCCEED: auto-copy of file [chars] to standby supervisor succeed

Explanation  Auto copy of the file succeed, image integrity verified by standby.

Recommended Action  No action is required.

Message  BOOTVAR-5-AUTOCOPY_VERIFY_SEND_FAILED: Unable to ask standby to verify file [chars], error = [hex]

Explanation  Upon copied the image to standby, failed to send message to ask standby to verify integrity.

Recommended Action  Turn auto-copy off and back on.

Message  BOOTVAR-5-AUTOSYNC_DONE: Image autosync done

Explanation  The image synchronization done successfully.

Recommended Action  No action is required.

Message  BOOTVAR-5-AUTOSYNC_REBOOT: Rebooting standby after successful autosync

Explanation  Image autosync has been successful, resetting the standby supervisor to load the new image.

Recommended Action  Check that the standby sup reloads correctly.

Message  BOOTVAR-5-AUTOSYNC_START: Starting image autosync. Please wait until completion...

Explanation  The standby-sup has requested the sync of the current image.

Recommended Action  No action is required.

Message  BOOTVAR-5-IMAGE_NOTEXISTS: Warning: image [chars] doesn't exist on sup[dec]

Explanation  The input image name doesn't exist on the specified supervisor.

Recommended Action  Check whether the input image name you entered exists and make sure that you have the image on the flash before reboot.
Message  BOOTVAR-5-NEIGHBOR_UPDATE_AUTOCOPY: auto-copy supported by neighbor supervisor, starting...

Explanation  Info log reporting standby support of auto-copy. Auto-copy is being started.

Recommended Action  No action is required.

BOOTVAR-6

Message  BOOTVAR-6-ALREADY_IN_SYNC: Image already in sync

Explanation  No need to update the image on the standby-sup.

Recommended Action  No action is required.

Message  BOOTVAR-6-AUTOCOPY_DID_NOT_START: Autocopy of file [chars] to standby did not start. [chars] (Error-id: [hex])

Explanation  Autocopy of the file did not start as the remote copy location does not exist

Recommended Action  No action is required.

Message  BOOTVAR-6-CONFIG_UPDATED: Boot configuration updated

Explanation  The boot-loader configuration files have been successfully updated.

Recommended Action  No action is required.

Message  BOOTVAR-6-STARTING: Boot configuration initialized

Explanation  The service has successfully started.

Recommended Action  No action is required.

CALLHOME Messages

This section contains the CALLHOME messages.

CALLHOME-2

Message  CALLHOME-2-EVENT: [chars]

Explanation  Callhome event [chars] occurred.

Recommended Action  If you have configured your email address to receive callhome notifications, please check your email for more details about this callhome event. If callhome was not enabled, please execute CLI commands relevant to the callhome event to get more information about the error
Message  CALLHOME-2-PROGRAM_EXIT: callhome process ending: [chars]

Explanation  Callhome process is exiting with reason [chars].

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CALLHOME-3

Message  CALLHOME-3-CALLHOME_CFS_MERGE_OPERATION_FAILED: [chars]

Explanation  [chars1]

Recommended Action  Please check the reason for the failure of the cfs operation and rectify the problem

Message  CALLHOME-3-CALLHOME_CFS_OPERATION_FAILED: [chars]: [chars]

Explanation  [chars1] [chars2]

Recommended Action  Please check the reason for the failure of the cfs operation and rectify the problem

Message  CALLHOME-3-CALLHOME_MAX_ALERT_MSG: [chars]

Explanation  [chars]

Recommended Action  Please check the reason for the generation of the Callhome messages and rectify the problem

Message  CALLHOME-3-EVENT_PROCESS_ERROR: error in processing callhome event [chars] reason:[chars]

Explanation  Error in processing callhome event [chars] reason:[chars]

Recommended Action  Please check your callhome configuration for proper configuration. Please check SMTP server address, email addresses for destination profiles and enable status of callhome. Use “show callhome” commands for displaying configuration.

Message  CALLHOME-3-MESSAGE_SIZE_EXCEED: message size for callhome alert:[chars] exceeds maximum limit for destination profile:[chars]

Explanation  Message size for callhome alert:[chars] exceeds maximum limit for destination profile:[chars]

Recommended Action  Please check the maximum message size for the destination profile under question. Increase it if possible to match the maximum limit allowed by your email destinations.
CALLHOME-6

Message  CALLHOME-6-NONCRIT_EVENT: [chars]

Explanation  Non-critical Callhome event [chars] occurred.

Recommended Action  If you have configured your email address to receive callhome notifications, please check your email for more details about this callhome event. If callhome was not enabled, please execute CLI commands relevant to the callhome event to get more information about the error.

CARDCLIENT Messages

This section contains the CARDCLIENT messages.

CARDCLIENT-2

Message  CARDCLIENT-2-CARDCL_CRIT: [chars]

Explanation  CardClient Critical Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  CARDCLIENT-2-ONL: [chars]

Explanation  Online Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  CARDCLIENT-2-REG: [chars]

Explanation  CardClient Console Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  CARDCLIENT-2-SSE: [chars]

Explanation  CardClient Console Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
CARDCLIENT-3

Message  CARDCLIENT-3-CARDCL_ERR: [chars]

Explanation  CardClient Error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  CARDCLIENT-3-CARDCL_INFO: [chars]

Explanation  CardClient Flow Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CARDCLIENT-SLOT#-2

Message  CARDCLIENT-SLOT#-2-ERR: [chars]

Explanation  CardClient Remote Syslog msg

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  CARDCLIENT-SLOT#-2-IMG_ERR: [chars]

Explanation  CardClient Remote Syslog msg

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CDP Messages

This section contains the CDP messages.

CDP-2

Message  CDP-2-INITFAIL: CDP Daemon Initialization failed: [chars]

Explanation  CDP Daemon Initialization failed. [chars] explains the reason for the failure.

Recommended Action  No action is required.
**CDP-3**

**Message**  
CDP-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

**Explanation**  
CDP Daemon is out of dynamic memory. [chars] specifies the context where the failure occurred.

**Recommended Action**  
No action is required.

**Message**  
CDP-3-GENERROR: [chars]

**Explanation**  
CDP Daemon encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

**Recommended Action**  
No action is required.

**Message**  
CDP-3-MCASTBINDFAIL: Failed to bind for CDP multicast address on interface [hex] - [chars]

**Explanation**  
An attempt to register for packets destined to the CDP multicast address failed. [dec] identifies the interface [char] identifies the reason.

**Recommended Action**  
No action is required.

**Message**  
CDP-3-MTSERROR: [chars]

**Explanation**  
CDP Daemon encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action**  
No action is required.

**Message**  
CDP-3-PKTRECVFAIL: Failed to receive packet - [chars]

**Explanation**  
Failed to receive packet. [char] identifies the reason.

**Recommended Action**  
No action is required.

**Message**  
CDP-3-PKTSENDFAIL: Failed to send packet, interface [hex] - [chars]

**Explanation**  
Failed to send packet. [dec] identifies the interface [char] identifies the reason.

**Recommended Action**  
No action is required.
Message  CDP-3-PSSERROR: [chars]

Explanation  CDP Daemon encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

Message  CDP-3-SOCKBINDFAIL: Failed to bind to raw socket, interface [hex] - [chars]

Explanation  Failed to bind to raw socket. [dec] identifies the interface [char] identifies the reason.

Recommended Action  No action is required.

Message  CDP-3-SOCKOPENFAIL: Failed to open socket for receiving raw 802_2 packets - [chars]

Explanation  An attempt to open a socket for receiving raw 802_2 packets failed. [char] identifies the reason.

Recommended Action  No action is required.

CDP-4

Message  CDP-4-DUPLEX_MISMATCH: Duplex mismatch discovered on [chars], with [chars]

Explanation  Duplex mismatch discovered from the received cdp packet. This is a warning message.

Recommended Action  No action is required.

Message  CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on [chars] ([dec]), with [chars] ([dec])

Explanation  Native VLAN mismatch discovered. This is a warning message.

Recommended Action  No action is required.

CDP-5

Message  CDP-5-DISABLED: CDP is disabled

Explanation  CDP is disabled on the device.

Recommended Action  No action is required.
Message  CDP-5-ENABLED: CDP is enabled

Explanation  CDP is enabled on the device.

Recommended Action  No action is required.


Explanation  Discovered a neighbor device. This is an informational message.

Recommended Action  No action is required.

Message  CDP-5-NEIGHBOR_REMOVED: CDP Neighbor [chars] on port [chars] has been removed

Explanation  Deleted a neighbor device. This is an informational message.

Recommended Action  No action is required.

CDP-6

Message  CDP-6-CDPDUP: CDP Daemon Up.

Explanation  CDP Daemon was created successfully and is up and running. This is an informational message.

Recommended Action  No action is required.

Message  CDP-6-CDPEXIT: CDP Daemon shutting down gracefully.

Explanation  CDP Daemon is shutting down gracefully. This is an informational message.

Recommended Action  No action is required.

Message  CDP-6-PORTDISABLE: CDP disabled on port [chars]

Explanation  CDP was disabled on a given port. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action  No action is required.

Message  CDP-6-PORTDOWN: A CDP enabled port [chars] went down.

Explanation  A CDP enabled port is not operational. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action  No action is required.
CDP-6-PORTENABLE: CDP enabled on port [chars]

Explanation: CDP was enabled on a given port. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action: No action is required.

CDP-6-PORTUP: A CDP enabled port [chars] came up.

Explanation: A CDP enabled port became operational. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action: No action is required.

CERT_ENROLL Messages

This section contains the CERT_ENROLL messages.

CERT_ENROLL-2

Message: CERT_ENROLL-2-CERT_EN_PROGRAM_EXIT: cert_enroll daemon exiting: [chars]

Explanation: Cert_enroll daemon is exiting.

Recommended Action: Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CERT_ENROLL-3

Message: CERT_ENROLL-3-CERT_EN_ERROR_MESSAGE: [chars]

Explanation: CERT_ENROLL Message

Recommended Action: No action is required.

Message: CERT_ENROLL-3-CERT_EN_FIPS_MODE_INIT_ERROR: Could not initialize FIPS mode: [chars]

Explanation: FIPS mode initialization error

Recommended Action: No action is required.
CERT_ENROLL-6

Message  CERT_ENROLL-6-CERT_EN_MESSAGE: [chars]

Explanation  CERT_ENROLL Message

Recommended Action  No action is required.

CFGD Messages

This section contains the CFGD messages.

CFGD-SLOT#-2

Message  CFGD-SLOT#-2-7: ERROR: Component ([chars]) caused critical error please reboot SSM

Explanation  Component caused critical error

Recommended Action  Restart the linecard.

CFS Messages

This section contains the CFS messages.

CFS-2

Message  CFS-2-CFS_REJECT: CFS reject: [chars]: Switch WWN [chars], ip [chars], reason [chars]

Explanation  This messages provides the details of the reject.

Recommended Action  Login to the switch with the addresses specified and check the status of the application that is specified in the message.

Message  CFS-2-CFS_REJECT_LOCK: Remote switch with address(es) [char] rejected the lock for [char] giving reason [char].

Explanation  This message is logged when a remote switch rejects the lock.

Recommended Action  Login to the switch with the addresses specified and check the status of the application that is specified in the message.
Message CFS-2-CFS_REJ_LOCK_INFO: Remote switch with address(es) [char] rejected the lock for [char] giving reason [char]. Lock holding switch has address(es) [char].

Explanation This message is logged when a remote switch rejects the lock.

Recommended Action Login to the lock holding switch and check the status of the application specified.

Message CFS-2-PEER_LIMIT: The number of peers, [num], is more than the CFS supported configuration limit of [num]. Please reduce the number of peers to within the limit.

Explanation The number of peers has crossed the supported configuration limit as a result of CFS discovery.

Recommended Action Reduce the number of peers to within the limit.

CFS-3

Message CFS-3-APP_MERGE_FAILED: Merge failed for app [chars], local switch wwn [chars], remote switch wwn [chars]. Please check 'show cfs merge status name [chars]' for more information

Explanation The CFS service has detected a merge failure.

Recommended Action Check the status of the application specified in the local and remote switches.

Message CFS-3-MERGE_FAILED: Merge failed for [char] with local switch WWN [char], IP [char] and remote switch WWN [char], IP [char].

Explanation The CFS service has detected a merge failure.

Recommended Action Check the status of the application that is specified in the local and remote switches.

CFS-6

Message CFS-6-LOGICAL_DISTRIBUTION_INFO: vsan [num], source wwn [chars], ip [chars] app-id [num], session-id [num], user [chars], [chars]

Explanation This is an informational message only.

Recommended Action No action is required.
Message  CFS-6-PHY_DISTRIBUTION_INFO: source wwn [char], ip [char], app-id [num] session-id [num], user [char], [char]

Explanation  This is an informational message.

Recommended Action  No action is required.

Message  CFS-6-SRVCREATED: CFS Service created

Explanation  CFS Service was created successfully and is up and running.

Recommended Action  This is an informational message. No action is required.

CIMSRVPROV Messages

This section contains the CIMSRVPROV messages.

CIMSRVPROV-2

Message  CIMSRVPROV-2-CIM_SYSLOG_EXIT: Message: [chars] errcode: [dec]

Explanation  Exit due to critical error

Recommended Action  No action is required.


Explanation  PSS snapshot error

Recommended Action  No action is required.

Message  CIMSRVPROV-2-CIM_SYSLOG_SDWRAP_ERR: Description: [chars] errcode: [dec]

Explanation  Debug infrastructure error

Recommended Action  No action is required.

CIMSRVPROV-3

Message  CIMSRVPROV-3-CIM_SYSLOG_COPY_CONFIG_ERR: Message: [chars] URI: [chars] errcode: [dec]

Explanation  Copy running startup error

Recommended Action  No action is required.
Message CIMSRVPROV-3-CIM_SYSLOG_FILE_ERR: Purpose:[chars] Filename:[chars] errcode:[dec]

Explanation File handling error

Recommended Action No action is required.

Message CIMSRVPROV-3-CIM_SYSLOG_MTS_ERR: message [chars]

Explanation MTS message handling error

Recommended Action No action is required.

Message CIMSRVPROV-3-CIM_SYSLOG_PSS_ERR: Purpose:[chars] URI:[chars] errcode:[dec]

Explanation PSS handling error

Recommended Action No action is required.

CIMSRVPROV-6

Message CIMSRVPROV-6-LOG_CIM_CERTIFICATE_CLEARED: Cleared certificate [chars]

Explanation Cleared a certificate named [chars].

Recommended Action No action is required.

Message CIMSRVPROV-6-LOG_CIM_CERTIFICATE_INSTALLED: Installed certificate [chars]

Explanation Installed a certificate named [chars].

Recommended Action No action is required.

CLIS Messages

This section contains the CLIS messages.

CLIS-5

Message CLIS-5-CLIS_SYSLOG_CMD_REMOVED: Command deleted from the NVDB: [chars]

Explanation Command removal due to configuration change

Recommended Action No action is required.
CLIS-6

Message  CLIS-6-CLIS_SYSLOG_CMD_REMOVED: Command deleted from the NVDB: [chars]

Explanation  Command removal due to configuration change

Recommended Action  No action is required.

CLK_MGR Messages

This section contains the CLK_MGR messages.

CLK_MGR-2

Message  CLK_MGR-2-CLK_MGR_FC2_CRIT: CLK_MGR critical error: [chars]

Explanation  CLK_MGR fc2 clock synchronization critical error

Recommended Action  No action is required.

CLK_MGR-5

Message  CLK_MGR-5-CLK_MGR_CLI_CONFIG: CLK_MGR clock is synchronized by [chars] from VDC [dec]

Explanation  CLK_MGR clock is synchronized by [chars] from VDC

Recommended Action  No action is required.

CLK_MGR-6

Message  CLK_MGR-6-CLK_MGR_TSTAMP_CHKS_DISABLED: CLK_MGR timestamp checks disabled: [chars]

Explanation  CLK_MGR timestamp checks disabled

Recommended Action  No action is required.

Message  CLK_MGR-6-CLK_MGR_TSTAMP_CHKS_ENABLED: CLK_MGR timestamp checks enabled

Explanation  CLK_MGR timestamp checks enabled

Recommended Action  No action is required.
CLOUD Messages

This section contains the CLOUD messages.

CLOUD-2

Message  CLOUD-2-PROGRAM_EXIT: cloud-discovery process ending: [chars]

Explanation  Cloud-discovery process is exiting with reason [chars].

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CLOUD-3

Message  CLOUD-3-CLOUD_CFS_MERGE_OPERATION_FAILED: [chars]

Explanation  [chars1]

Recommended Action  Please check the reason for the failure of the cfs operation and rectify the problem

Message  CLOUD-3-CLOUD_CFS_OPERATION_FAILED: [chars]: [chars]

Explanation  [chars1][chars2]

Recommended Action  Please check the reason for the failure of the cfs operation and rectify the problem

Message  CLOUD-3-CLOUD_FEATURE_MANAGER_ERROR: [chars]: [chars]

Explanation  [chars1][chars2]

Recommended Action  Please check the reason for error using feature manager and rectify the problem

Message  CLOUD-3-CLOUD_PSS_OPERATION_FAILED: [chars]: [chars]

Explanation  [chars1][chars2]

Recommended Action  Please check the reason for the failure of the pss operation and rectify the problem
CLOUD-6

Message  CLOUD-6-CLOUD_DISCOVERY_DONE: discovery over

Explanation  Cloud-discovery started

Recommended Action  Check cloud membership

Message  CLOUD-6-CLOUD_DISCOVERY_STARTED: [chars] discovery started

Explanation  Cloud-discovery started

Recommended Action  Check cloud-discovery status after sometime

CLP_FWD Messages

This section contains the CLP_FWD messages.

CLP_FWD-6

Message  CLP_FWD-6-CLF_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

CLP_L3 Messages

This section contains the CLP_L3 messages.

CLP_L3-6

Message  CLP_L3-6-CLP_L3_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

CLP_MAC Messages

This section contains the CLP_MAC messages.
CLP_MAC-6

Message  CLP_MAC-6-CLM_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

CLP_XBAR Messages

This section contains the CLP_XBAR messages.

CLP_XBAR-2

Message  CLP_XBAR-2-FR_CRC: [chars]
Explanation  Clipper received packets with CRC error from fabric
Recommended Action  No action is required.

CLP_XBAR-6

Message  CLP_XBAR-6-CLX_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

CLUSTER_TEST_APP Messages

This section contains the CLUSTER_TEST_APP messages.

CLUSTER_TEST_APP-5

Message  CLUSTER_TEST_APP-5-CLUSTER_TEST_APP_DISABLED: CLUSTER_TEST_APP Disabled
Explanation  CLUSTER_TEST_APP Service Disabled
Recommended Action  No action is required.
Message  CLUSTER_TEST_APP-5-CLUSTER_TEST_APP_ENABLED: CLUSTER_TEST_APP Enabled
Explanation  CLUSTER_TEST_APP Service enabled
Recommended Action  No action is required.

Message  CLUSTER_TEST_APP-5-CLUSTER_TEST_APP_TEST_STARTED: Traffic test started
Explanation  CLUSTER_TEST_APP Test started
Recommended Action  No action is required.

Message  CLUSTER_TEST_APP-5-CLUSTER_TEST_APP_TEST_STOPPED: Traffic test stopped
Explanation  CLUSTER_TEST_APP Test stopped
Recommended Action  No action is required.

CLUSTER Messages

This section contains the CLUSTER messages.

CLUSTER-2

Message  CLUSTER-2-CLUSTER_CAP_ADD_FAIL: Failed to add cluster capability [dec]
Explanation  Cluster capability addition failed
Recommended Action  No action is required.

Message  CLUSTER-2-CLUSTER_CAP_DEL_FAIL: Failed to delete cluster capability [dec]
Explanation  Cluster capability deletion failed
Recommended Action  No action is required.

Message  CLUSTER-2-CLUSTER_CAP_DEL_FAIL: Failed to delete cluster capability [dec]
Explanation  Cluster capability deletion failed
Recommended Action  No action is required.
Message CLUSTER-2-CLUSTER_CONF_MGR_FAIL: Configuration manager failed to handle "[chars]" ([dec]) status=[hex]

Explanation Cluster Config Manager failed

Recommended Action No action is required.

Message CLUSTER-2-CLUSTER_DB_SYNC_FAIL_CLIENT: Client on node 0x%llx for cluster 0x%llx application [dec] dataset [dec] received database synchronization failed, reason= "[chars]" from application

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Message CLUSTER-2-CLUSTER_DB_SYNC_FAIL_MANAGER: Manager on node 0x%llx for cluster 0x%llx application [dec] dataset [dec] received database synchronization failed, reason= "[chars]" from server on node 0x%llx

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Message CLUSTER-2-CLUSTER_DB_SYNC_FAIL_SERVER: Server on node 0x%llx for cluster 0x%llx application [dec] dataset [dec] received database synchronization failed, reason= "[chars]" from client on node 0x%llx

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Message CLUSTER-2-CLUSTER_DB_SYNC_FAIL: Cluster 0x%llx application [dec] dataset [dec] database synchronization failed, reason= "[chars]"

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Message CLUSTER-2-CLUSTER_LEAVE_RESP_FAIL: Bad response to LEAVE request for Cluster 0x%llx

Explanation Received Bad Leave response

Recommended Action No action is required.
Message  CLUSTER-2-CLUSTER_LOCAL_NODE_EXIT: Local Node 0x%llx has left the Cluster 0x%llx Reason:[chars]

  Explanation  Node is not part of cluster
  Recommended Action  No action is required.

Message  CLUSTER-2-CLUSTER_RGC_TRANSACTION_FAIL: Cluster 0x%llx RGC transaction application=[dec] dataset=[dec] failed reason="[chars]"

  Explanation  Cluster RGC transaction failed
  Recommended Action  No action is required.

Message  CLUSTER-2-CLUSTER_TRANSPORT_FAIL: Cluster 0x%llx transport failed to send message from node 0x%llx to 0x%llx error=[dec]

  Explanation  Cluster transport failed to send message
  Recommended Action  No action is required.

CLUSTER-5

Message  CLUSTER-5-CLUSTER_ADD: Cluster 0x%llx added

  Explanation  Cluster Added
  Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_DISABLED: CLUSTER Disabled

  Explanation  CLUSTER Service Disabled
  Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_ENABLED: CLUSTER Enabled

  Explanation  CLUSTER Service Enabled
  Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_NODE_ADD: Node 0x%llx added to cluster 0x%llx

  Explanation  Node added to cluster
  Recommended Action  No action is required.
Message  CLUSTER-5-CLUSTER_NODE_JOIN: Node 0x%llx joined cluster 0x%llx

Explanation  Node joined cluster

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_NODE_LEAVE_EXPLICIT: Remote Node 0x%llx has left the Cluster 0x%llx voluntarily

Explanation  Remote Node Left voluntarily

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_NODE_LEAVE: Node 0x%llx not in cluster 0x%llx

Explanation  Node not in cluster

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_NODE_REMOVE: Node 0x%llx removed from cluster 0x%llx

Explanation  Node removed from cluster

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_REMOVE: Cluster 0x%llx removed

Explanation  Cluster removed

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_RX_JOIN_REQ: Node 0x%llx received JOIN request from node=0x%llx

Explanation  Cluster received JOIN request

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_RX_JOIN_RESP: Node 0x%llx received JOIN response from node=0x%llx result="[chars]"

Explanation  Cluster received JOIN response

Recommended Action  No action is required.
Message  CLUSTER-5-CLUSTER_RX_PROBE: Node 0x%xllx received PROBE from node=0x%llx

Explanation  Cluster received PROBE message

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_STARTED: CLUSTER 0x%xllx Started

Explanation  CLUSTER Started

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_STOPPED: CLUSTER 0x%xllx Stopped

Explanation  CLUSTER Stopped

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_TRANSPORT_DOWN: Cluster 0x%xllx transport down for node=0x%llx for Remote Port: [dec] Local Port: [dec]

Explanation  Cluster Transport Connection DOWN

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_TRANSPORT_UP: Cluster 0x%xllx transport up for node=0x%llx

Explanation  Cluster Transport Connection UP

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_TX_JOIN_REQ: Node 0x%xllx sending JOIN request to node=0x%llx

Explanation  Cluster sending JOIN request

Recommended Action  No action is required.

Message  CLUSTER-5-CLUSTER_TX_JOIN_RESP: Node 0x%xllx sending JOIN response to node=0x%llx result= "[chars]"

Explanation  Cluster sending JOIN request

Recommended Action  No action is required.
CMOND Messages

This section contains the CMOND messages.

CMOND-2

Message  CMOND-2-CMOND_ALERT_MSG: [chars]

Explanation  Alert message

Recommended Action  No action is required.

Message  CMOND-2-CMOND_ERROR_MSG: [chars]

Explanation  Message

Recommended Action  No action is required.

CMPPROXY Messages

This section contains the CMPPROXY messages.

CMPPROXY-2

Message  CMPPROXY-2-LOG_CMP_IS_NOT_UP: Connectivity Management processor (on module [dec]) did not come up

Explanation  Connectivity Management processor is not sending heartbeats on this module

Recommended Action  No action is required.

Message  CMPPROXY-2-LOG_CMP_UP: Connectivity Management processor (on module [dec]) is now UP

Explanation  Connectivity Management processor has come up and is exchanging heartbeats with CP on this SUP slot

Recommended Action  No action is required.

Message  CMPPROXY-2-LOG_CMP_WENT_DOWN: Connectivity Management processor (on module [dec]) went DOWN

Explanation  Connectivity Management processor has either gone down or is not sending heartbeats for a long time

Recommended Action  No action is required.
CMPPROXY-5

Message  CMPPROXY-5-LOG_CMP_AAA_FAILURE: Authentication failed for a login from CMP (on module [dec])

Explanation  A login attempt has been denied access from Connectivity management processor (CMP) as authentication did not succeed

Recommended Action  No action is required.

Message  CMPPROXY-5-MALLOC_FAILURE: Memory allocation failure

Explanation  Memory allocation in a call to malloc/calloc has failed.

Recommended Action  No action is required.

CMPPROXY-6

Message  CMPPROXY-6-LOG_CMP_AAA_SUCCESS: Authentication succeeded for a login from CMP (on module [dec])

Explanation  A login attempt has succeeded from Connectivity management processor (CMP) in getting access as AAA succeeded

Recommended Action  No action is required.

COPP Messages

This section contains the COPP messages.

COPP-1

Message  COPP-1-COPP_DROPS1: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

Explanation  There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action  No action is required.
COPP-2

Message COPP-2-COPP_DROPS2: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

Message COPP-2-COPP_INIT_FAIL: CoPP Initialization failed: [chars]

Explanation CoPP Initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Message COPP-2-COPP_MTS_FAIL: Failed to do MTS operation: [chars]

Explanation Failed to do MTS operation. [chars] explains the reason for the failure.

Recommended Action No action is required.

Message COPP-2-COPP_NO_POLICY: Control-plane is unprotected.

Explanation There is no policy to configured to protect the control-plane.

Recommended Action When such a syslog appears, the user should protect the control plane by giving the appropriate CoPP commands, either of:

conf> copp profile <copp-system-profile-name>

or

conf> control-plane

conf> service-policy input <user-copp-policy-name>

Message COPP-2-COPP_PROFILE_DIFF: CoPP Default Profile may have changed, please check the diffs using show copp diff profile <profile-type>

Explanation CoPP Default Profile may have changed; check the difference using show copp diff profile <profile-type> command.

Recommended Action No action is required.
COPP-3

Message  COPP-3-COPP_ALLOC_FAIL: Memory allocation failure: [chars]

Explanation  Failed to alloc required memory. [chars] explains the reason for the failure.

Recommended Action  No action is required.

Message  COPP-3-COPP_DROPS3: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

Explanation  There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action  No action is required.

Message  COPP-3-COPP_PPF_FAIL: Error during PPF operation: [chars]

Explanation  Failed to do PPF operation. [chars] explains the reason for the failure.

Recommended Action  No action is required.

Message  COPP-3-COPP_PSS_FAIL: Error during PSS operation: [chars]

Explanation  Failed to do PSS operation. [chars] explains the reason for the failure.

Recommended Action  No action is required.

COPP-4

Message  COPP-4-COPP_DROPS4: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

Explanation  There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action  No action is required.

COPP-5

Message  COPP-5-COPP_DISABLED: COPP Disabled

Explanation  COPP Service Disabled

Recommended Action  No action is required.
Message  COPP-5-COPP_DROPS5: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

   Explanation   There are CoPP drops, [chars] tell which class has dropped packets.

   Recommended Action   No action is required.

Message  COPP-5-COPP_ENABLED: COPP Enabled

   Explanation   COPP Service enabled

   Recommended Action   No action is required.

Message  COPP-5-COPP_INIT: COPP initialized

   Explanation   COPP Service Initialized

   Recommended Action   No action is required.

COPP-6

Message  COPP-6-COPP_DROPS6: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

   Explanation   There are CoPP drops, [chars] tell which class has dropped packets.

   Recommended Action   No action is required.

Message  COPP-6-COPP_POLICY_ATTACHED: CoPP policy has been attached to control plane interface.

   Explanation   CoPP policy has been attached to control plane interface.

   Recommended Action   No action is required.

Message  COPP-6-COPP_POLICY_DETACHED: CoPP policy has been detached from control plane interface.

   Explanation   CoPP policy has been detached from control plane interface.

   Recommended Action   No action is required.
COPP-7

**Message** COPP-7-COPP_DROPS7: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

**Message** CORE-DMON-2-MODULE_COREDUMP_DONE: kernel coredump completed on module:[dec]

**Explanation** Kernel coredump finishing on a module

**Recommended Action** No action is required.

**Message** CORE-DMON-2-MODULE_COREDUMP_STARTED: kernel coredump started on module:[dec]

**Explanation** Kernel coredump starting on a module

**Recommended Action** No action is required.

### CORE-DMON Messages

This section contains the CORE-DMON messages.

### CORE-DMON-2

**Message** CORE-DMON-2-MODULE_COREDUMP_DONE: kernel coredump completed on module:[dec]

**Explanation** Kernel coredump finishing on a module

**Recommended Action** No action is required.

**Message** CORE-DMON-2-MODULE_COREDUMP_STARTED: kernel coredump started on module:[dec]

**Explanation** Kernel coredump starting on a module

**Recommended Action** No action is required.
CORE-DMON-3

**Message**  CORE-DMON-3-NO_SPACE: Failed to save core file [chars]. Try removing existing core files.

**Explanation**  Not enough space to save new core files

**Recommended Action**  No action is required.

CRDCFG Messages

This section contains the CRDCFG messages.

CRDCFG-2

**Message**  CRDCFG-2-CRDCFG_SRV_CRIT: [chars]

**Explanation**  CardConfig CRITICAL ERROR

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CRDCFG-3

**Message**  CRDCFG-3-CRDCFG_ERR: [chars]

**Explanation**  CardConfig Message

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  CRDCFG-3-CRDCFG_MSG: [chars]

**Explanation**  CardConfig log message

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  CRDCFG-3-CRDCFG_SRV_ERR: [chars]

**Explanation**  CardConfigServer Message

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  CRDCFG-3-CRDCFG_SRV_MSG: [chars]

Explanation  CardConfigServer log message

Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CRDCFG-SLOT#-2

Message  CRDCFG-SLOT#-2-CONFIG_ERR: [chars]

Explanation  CardConfig Failed to find matching card id, pnum in database

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CREDITMON Messages

This section contains the CREDITMON messages.

CREDITMON-SLOT#-2

Message  CREDITMON-SLOT#-2-SYSERR_CREDITMON_APP_EXITED: [chars]

Explanation  Credit Monitor application exited

Recommended Action  No action is required.

Message  CREDITMON-SLOT#-2-SYSERR_CREDITMON_MTS_INIT_ERR: [chars]

Explanation  Credit Monitor error binding to MTS

Recommended Action  No action is required.

CTS Messages

This section contains the CTS messages.
CTS-2

**Message**  CTS-2-CTS_AUTHENT_FAILURE: CTS Authentication failure on Port [chars] (CTS Failure Reason: [chars] [chars])

**Explanation** Fibre-Channel Authentication failure on Port [chars]. (Reason Code [chars] Detail [chars]). Please check password configurations and ensure appropriate security modes on this port as well as peer port

**Recommended Action** No action is required.

**Message**  CTS-2-CTS_FIPS_BYPASS_TEST_FAILED: FIPS bypass test failed for interface: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message**  CTS-2-CTS_SAP_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

**Explanation**

**Recommended Action** No action is required.

**Message**  CTS-2-CTS_SAP_REKEY_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

**Explanation**

**Recommended Action** No action is required.

**Message**  CTS-2-DBG_INIT_FAILED: Debug Infrastructure Initialization failed ([chars])

**Explanation**

**Recommended Action** No action is required.

**Message**  CTS-2-FC2_E_INIT_FAILED: Fibre-Channel Initialization of an E_Port failed ([chars])

**Explanation** CTS Manager has been unable to initialize with the FC-2 E_Port infrastructure.

**Recommended Action** No action is required.
Message  CTS-2-FC2_F_INIT_FAILED: Fibre-Channel Initialization of an F_Port failed ([chars])

Explanation  CTS Manager has been unable to initialize with the FC-2 F_Port infrastructure.

Recommended Action  No action is required.

Message  CTS-2-FC2_UNKNOWN_FRM_RECD_CRIT: Received an unexpected/unknown FC-2 frame on [chars]

Explanation

Recommended Action  No action is required.

Message  CTS-2-FSMU_INIT_FAILED: State Machine Infrastructure Initialization failed ([chars])

Explanation

Recommended Action  No action is required.

Message  CTS-2-IPC_INIT_FAILED: IPC (Inter Process Communication) Initialization failed ([chars])

Explanation  CTS Manager has been unable to initialize with the IPC infrastructure.

Recommended Action  No action is required.

Message  CTS-2-LICENSE_UNAVAILABLE: License:[chars] unavailable, service exiting

Explanation  License of [chars] is unavailable. Service will exit now

Recommended Action  Please install the license file to continue using the feature.


Explanation

Recommended Action  No action is required.

Message  CTS-2-POST_INIT_FAILED: Post-Initialization failed ([chars])

Explanation

Recommended Action  No action is required.
Message  CTS-2-PSS_INIT_FAILED: PSS Infrastructure Initialization failed ([chars])  
Explanation  
Recommended Action  No action is required.

Message  CTS-2-RBACL_ENFORCEMENT_FAILED: Failed to [chars] RBACL enforcement on [chars] %lu  
Explanation  
Recommended Action  No action is required.

Message  CTS-2-RBACL_LC_INSERT_FAILED: RBACL programming failed for inserted module [dec]  
Explanation  
Recommended Action  No action is required.

Message  CTS-2-RBACL_TCAM_SPACE_NOT_ENOUGH: Not enough free space left on TCAM  
Explanation  
Recommended Action  No action is required.

Message  CTS-2-RBACL_UNABLE_PARSE_ACE: Unable to parse RBACL ACE substring: [chars]  
Explanation  
Recommended Action  No action is required.

Message  CTS-2-RBACL_UPDATE_FAILED: Failed to [chars] RBACL [chars]  
Explanation  
Recommended Action  No action is required.

CTS-3  

Message  CTS-3-DOT1X_AUTHC_FAILED: DOT1X authentication failed on port: [chars]  
Explanation  DOT1X authentication failed on the port  
Recommended Action  No action is required.
**CTS-5**

**Message**  
CTS-5-CTS_IP_SGT_MAP_DELETE: IP-SGT mapping deleted for [chars] on [chars] %lu

**Explanation**

**Recommended Action**  No action is required.

**Message**  
CTS-5-CTS_IP_SGT_MAP_UPDATE: [chars] assigned SGT [chars]

**Explanation**

**Recommended Action**  No action is required.

**CTS-6**

**Message**  
CTS-6-CTS_FIPS_BYPASS_TEST_PASSED: FIPS bypass test passed for interface: [chars]

**Explanation**

**Recommended Action**  No action is required.

**Message**  
CTS-6-SXP_BIND_FAIL: CTS SXP socket bind failed for [chars]

**Explanation**

**Recommended Action**  No action is required.

**Message**  
CTS-6-SXP_CONFIG_MODE_MISMATCH: CTS SXP config mode mis-match with peer [chars] during [chars]

**Explanation**

**Recommended Action**  No action is required.

**Message**  
CTS-6-SXP_CONFIG_VER_MISMATCH: CTS SXP config version mis-match with peer [chars] during [chars]

**Explanation**

**Recommended Action**  No action is required.
Message CTS-6-SXP_CONN_PURGED: CTS SXP connection purged: vrf [dec], peer: [chars]

Explanation

Recommended Action No action is required.

Message CTS-6-SXP_CONN_STATE_CHG_OFF: CTS SXP connection state for peer [chars] changed to off

Explanation

Recommended Action No action is required.

Message CTS-6-SXP_DEFAULT_PASSWORD_RESET: CTS SXP default password reset

Explanation

Recommended Action No action is required.

Message CTS-6-SXP_DEFAULT_PASSWORD_SET: CTS SXP default password set

Recommended Action No action is required.

Message CTS-6-SXP_DEFAULT_SRC_IP_RESET: CTS SXP default source IP address reset to [chars]

Explanation

Recommended Action No action is required.

Message CTS-6-SXP_DEFAULT_SRC_IP_SET: CTS SXP default source IP address set to [chars]

Explanation

Recommended Action No action is required.

Message CTS-6-SXP_INTERNAL_FAIL: CTS SXP internal failure

Explanation

Recommended Action No action is required.

Message CTS-6-SXP_LISTEN_FAIL: CTS SXP socket listen failed

Explanation

Recommended Action No action is required.
Message CTS-6-SXP_RX_UNKNOWN_MSG_TYPE: CTS SXP received unknown message type [chars]

Explanation .

Recommended Action  No action is required.

Message CTS-6-SXP_RX_UNKNOWN_OPCODE_TYPE: CTS SXP received unknown opcode type [dec] for peer [chars]

Explanation .

Recommended Action  No action is required.

Message CTS-6-SXP_STATE_CHANGE: CTS SXP [chars]

Explanation .

Recommended Action  No action is required.

CTS-7

Message CTS-7-CTS_PACE: [chars]

Explanation .

Recommended Action  No action is required.

Message CTS-7-CTS_PPF_RBACL_ENABLE: [chars]

Explanation .

Recommended Action  No action is required.

Message CTS-7-CTS_PPF_SESS_STATE: [chars] Session id [dec] ([hex])

Explanation .

Recommended Action  No action is required.


Explanation .

Recommended Action  No action is required.
Message  CTS-7-CTS_PPF: [chars]  
Explanation .  
Recommended Action  No action is required.

Message  CTS-7-CTS_SAL: CTS: [chars]  
Explanation .  
Recommended Action  No action is required.

Message  CTS-7-SGT_MAP_INIT: CTS: [chars]  
Explanation .  
Recommended Action  No action is required.

DAEMON Messages

Message  %DAEMON-2-SYSTEM_MSG: [chars]  
Explanation  This message provides information about errors related to SSH.  
Recommended Action  Perform additional debugging to resolve the issue.

Message  %DAEMON-3-SYSTEM_MSG: [chars]  
Explanation  This message provides information about components that use syslog's internal facility, DAEMON, to raise syslogs.  
Recommended Action  Perform additional debugging to resolve the issue. 
If the issue is not resolved, please contact the Cisco reseller through which you procured the product for support; if you have purchased a Cisco support contract please call Cisco TAC for support.

DCEFIB Messages

This section contains the DCEFIB messages.

DCEFIB-SLOT#-0

Message  DCEFIB-SLOT#-0-CLI_INIT_FAILED: CLI library initialization failed!  
Explanation  L2mp unicast fib failed to initialize CLI infrastructure's backend library. This is a fatal error.  
Recommended Action  No action is required.
Message DCEFIB-SLOT#-0-TIMER_INIT_FAILED: Timer subsystem initialization failed!
Explanation L2mp unicast fib failed to initialize timer library. This is a fatal error.
Recommended Action No action is required.

**DCEFIB-SLOT#-2**

Message DCEFIB-SLOT#-2-DCEFIB_MEM_ALLOC: Memory allocation failed. [chars]
Explanation Memory allocation failed. This is a critical failure
Recommended Action No action is required.

Message DCEFIB-SLOT#-2-DCEFIB_RECOVERY_ERROR: Error in Recovery: [chars]
Explanation L2mp unicast fib failed to recover after a re-start. This is a fatal error.
Recommended Action No action is required.

Message DCEFIB-SLOT#-2-U2FIB_ERR: [chars]
Explanation L2mp unicast fib encountered an error:
Recommended Action No action is required.

**DCEFIB-SLOT#-6**

Message DCEFIB-SLOT#-6-INITIALIZED: Internal state created [chars]
Explanation L2mp unicast fib has created its internal state stateless/stateful [chars].
Recommended Action No action is required.

Message DCEFIB-SLOT#-6-U2FIB_INFO: [chars]
Explanation L2mp unicast fib notice:
Recommended Action No action is required.

Message DCEFIB-SLOT#-6-VDC_CREATED: VDC [dec] created
Explanation Request to create VDC [dec] in l2mp unicast fib was successful.
Recommended Action No action is required.
Message  DCEFIB-SLOT#-6-VDC_REMOVED: VDC [dec] Removed

Explanation  L2mp unicast fib has successfully removed VDC [dec] from its databases.

Recommended Action  No action is required.

DEBUGPROXY Messages

This section contains the DEBUGPROXY messages.

DEBUGPROXY-6

Message  DEBUGPROXY-6-SSM_DEBUG_PROXY_COMMON: SSM debug proxy [chars] [dec]

Explanation  General SSM debug proxy information

Recommended Action  No action is required.

DEVICE-ALIAS Messages

This section contains the DEVICE-ALIAS messages.

DEVICE-ALIAS-2

Message  DEVICE-ALIAS-2-ALLOC_FAILED: Memory allocation failed for size:[dec] type:[dec]

Explanation  Memory allocation failed for size [dec] type [dec]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-2-INIT_FAILED: [chars]

Explanation  An error occurred during initialization. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
DEVICE-ALIAS-3

Message  DEVICE-ALIAS-3-CFS_OPER_FAILED: [chars]

Explanation  An error occurred while performing a CFS operation. [chars] indicates the CFS operation and the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-CLEAR_FAILED: [chars]

Explanation  An error occurred while clearing the session. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-COMMIT_FAILED: [chars]

Explanation  An error occurred while committing the database. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-COMMIT_REJECTED: [chars]

Explanation  Commit request received from remote switch is rejected. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-LOCK_FAILED: [chars]

Explanation  An error occurred while acquiring the lock. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-LOCK_REJECTED: [chars]

Explanation  Lock request received from remote switch is rejected. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  DEVICE-ALIAS-3-MERGE_ACTIVATION_FAILED: [chars]
Explanation  An error occurred while activating the merged database. [chars] indicates the reason for failure.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-MERGE_ACTIVATION_REJECTED: [chars]
Explanation  Merge activation request received from remote switch is rejected. [chars] indicates the reason for failure.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-MERGE_FAILED: [chars]
Explanation  An error occurred during merge operation. [chars] indicates the reason for failure.
Recommended Action  Compare device-alias configuration with the other switches in the fabric, resolve the conflicts if any and commit the changes.

Message  DEVICE-ALIAS-3-MERGE_MREQ_REJECTED: [chars]
Explanation  MREQ received from remote switch is rejected. [chars] indicates the reason for failure.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-MERGE_MRESP_REJECTED: [chars]
Explanation  MRESP received from remote switch is rejected. [chars] indicates the reason for failure.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-MERGE_VALIDATION_FAILED: [chars]
Explanation  An error occurred while validating the merged database. [chars] indicates the reason for failure.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  DEVICE-ALIAS-3-MERGE_VALIDATION_REJECTED: [chars]

Explanation  Merge validation request received from remote switch is rejected. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-MTS_OPER_FAILED: [chars]

Explanation  An error occurred during MTS operation. [chars] indicates the MTS operation and the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-PSS_OPER_FAILED: [chars]

Explanation  An error occurred during PSS operation. [chars] indicates the PSS operation and the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-UNLOCK_FAILED: [chars]

Explanation  An error occurred while releasing the lock. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-UNLOCK_REJECTED: [chars]

Explanation  Unlock request received from remote switch is rejected. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-3-VALIDATION_FAILED: [chars]

Explanation  An error occurred while validating the database. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  DEVICE-ALIAS-3-VALIDATION_REJECTED: [chars]

Explanation  Validation request received from remote switch is rejected. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

DEVICE-ALIAS-6

Message  DEVICE-ALIAS-6-CLEAR_FAILED_INFO: [chars]

Explanation  An error occurred while clearing the session. [chars] indicates the additional information regarding failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-6-COMMIT_FAILED_INFO: [chars]

Explanation  An error occurred while committing the database. [chars] indicates the additional information regarding failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-6-IMPORT_DEFINITION_CONFLICT: Fcalias [chars] could not be imported due to definition conflict

Explanation  Fcalias [chars] could not be imported due to definition conflict. Either there is already a device-alias configuration present with the same definition OR another VSAN specified in the import VSAN range has an Fcalias with the same definition.

Recommended Action  Resolve the conflict and issue the import command again.

Message  DEVICE-ALIAS-6-IMPORT_MEMBER_TYPE_CONFLICT: Fcalias [chars] could not be imported due to having unsupported member type

Explanation  Fcalias [chars] could not be imported due to having unsupported member types. Fcalias can be imported only if it has Port WWN based members.

Recommended Action  Make sure that the Fcalias has Port WWN based members and issue the import command again.
Message  DEVICE-ALIAS-6-IMPORT_NAME_CONFLICT: Fcalias [chars] could not be imported due to name conflict

Explanation  Fcalias [chars] could not be imported due to name conflict. Either there is already a device-alias configuration present with the same name OR another VSAN specified in the import VSAN range has an Fcalias with the same name.

Recommended Action  Resolve the conflict and issue the import command again.

Message  DEVICE-ALIAS-6-IMPORT_NUM_MEMBERS_CONFLICT: Fcalias [chars] could not be imported due to having unsupported number of members

Explanation  Fcalias [chars] could not be imported due to having unsupported number of members. Fcalias can be imported only if it has exactly one member.

Recommended Action  Make sure that the Fcalias has exactly one member and issue the import command again.

Message  DEVICE-ALIAS-6-LOCK_FAILED_INFO: [chars]

Explanation  An error occurred while acquiring the lock. [chars] indicates the additional information regarding failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-6-MERGE_ACTIVATION_FAILED_INFO: [chars]

Explanation  An error occurred while activating the merged database. [chars] indicates the additional information regarding failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  DEVICE-ALIAS-6-MERGE_VALIDATION_FAILED_BUSY: [chars]

Explanation  Merged database could not be validated as some of the applications returned busy. [chars] indicates information about the application returned busy. There is no user intervention necessary. The validation would be automatically retried after some time.

Recommended Action  No DDTS.

Message  DEVICE-ALIAS-6-MERGE_VALIDATION_REJECTED_BUSY: [chars]

Explanation  Merged database received from the remote switch could not be validated as some of the applications returned busy. [chars] indicates information about the application returned busy. There is no user intervention necessary. The validation would be automatically retried after some time.

Recommended Action  No DDTS.
**Message**  DEVICE-ALIAS-6-UNLOCK_FAILED_INFO: [chars]

**Explanation**  An error occurred while releasing the lock. [chars] indicates the additional information regarding failure.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  DEVICE-ALIAS-6-VALIDATION_ABORTED: [chars]

**Explanation**  Local validation is aborted. [chars] indicates the reason why validation is aborted.

**Recommended Action**  No DDTS.

**DEVICE_TEST Messages**

This section contains the DEVICE_TEST messages.

**DEVICE_TEST-2**

**Message**  DEVICE_TEST-2-ASIC_REG_CHECK_FAIL: Module [dec] has failed test [chars] [dec] times on device [chars] [chars] [dec] [chars] due to error [chars]

**Explanation**  Online diagnostics ASIC Register Check test has failed

**Recommended Action**  No action is required.

**Message**  DEVICE_TEST-2-COMPACT_FLASH_FAIL: Module [dec] has failed test [chars] [dec] times on device Compact Flash due to error [chars]

**Explanation**  Online diagnostics Compact Flash test has failed

**Recommended Action**  No action is required.

**Message**  DEVICE_TEST-2-CRYPTO_DEVICE_FAIL: Module [dec] has failed test [chars] [dec] times on Crypto device due to error [chars]

**Explanation**  Online diagnostics Crypto Device test has failed

**Recommended Action**  No action is required.
**Message** DEVICE_TEST-2-DEVICE_TEST_MODULE_FAILURE: Module [dec] has failed test [chars] [dec] times due to error [chars]

**Explanation** Online diagnostics device test detected module failure

**Recommended Action** No action is required.

**Message** DEVICE_TEST-2-EOBC_FAIL: Module [dec] has failed test [chars] on EOBC due to error [chars]

**Explanation** Online diagnostics EOBC test has failed

**Recommended Action** No action is required.


**Explanation** Online diagnostics System Mgmt Bus test has failed

**Recommended Action** No action is required.

**Message** DEVICE_TEST-2-MALLOC_FAILURE: Memory allocation failed

**Explanation** Device Test process could not allocate memory

**Recommended Action** No action is required.

**Message** DEVICE_TEST-2-MGMT_PORT_SKIP: Module [dec] has skipped test [chars] on Management Port due to error [chars]

**Explanation** Online diagnostics Management Port test is skipped

**Recommended Action** No action is required.

**Message** DEVICE_TEST-2-NVRAM_FAIL: Module [dec] has failed test [chars] [dec] times on device NVRAM due to error [chars]

**Explanation** Online diagnostics NVRAM test has failed

**Recommended Action** No action is required.

**Message** DEVICE_TEST-2-OBFL_FAIL: Module [dec] has failed test [chars] [dec] times on device OBFL due to error [chars]

**Explanation** Online diagnostics OBFL test has failed

**Recommended Action** No action is required.

Explanation Online diagnostics System Mgmt Bus test has failed

Recommended Action No action is required.

Message DEVICE_TEST-2-PRIMARY_BOOTROM_FAIL: Module [dec] has failed test [chars] [dec] times on device Primary BootROM due to error [chars]

Explanation Online diagnostics Primary BootROM test has failed

Recommended Action No action is required.

Message DEVICE_TEST-2-PWR_MGMT_BUS_FAIL: Module [dec] has failed test [chars] [dec] times on device Power Mgmt Bus on slot [dec] due to error [chars] error number [hex]

Explanation Online diagnostics Power Mgmt Bus test has failed

Recommended Action No action is required.

Message DEVICE_TEST-2-RTC_FAIL: Module [dec] has failed test [chars] [dec] times on device RealTimeClock due to error [chars]

Explanation Online diagnostics RealTimeClock test has failed

Recommended Action No action is required.

Message DEVICE_TEST-2-SECONDARY_BOOTROM_FAIL: Module [dec] has failed test [chars] [dec] times on device Secondary BootROM due to error [chars]

Explanation Online diagnostics Secondary BootROM test has failed

Recommended Action No action is required.

Message DEVICE_TEST-2-SPINE_CONTROL_BUS_FAIL: Module [dec] has failed test [chars] [dec] times on device Spine Control Bus on slot [dec] due to error [chars] error number [hex]

Explanation Online diagnostics Spine Control Bus test has failed

Recommended Action No action is required.
Message  DEVICE_TEST-2-STANDBY_LOOPBACK_TEST_FAIL: Module [dec] has failed test [chars] [dec] times on [chars] [dec] due to error [chars]

Explanation  Online diagnostics Standby Fabric Loopback test has failed

Recommended Action  No action is required.

Message  DEVICE_TEST-2-TWOWIRE_STW_FAIL: Module [dec] has failed test [chars] [dec] times on Status Bus on slot [dec] due to error [chars]

Explanation  Online diagnostics Status bus test has failed

Recommended Action  No action is required.

Message  DEVICE_TEST-2-USB_FAIL: Module [dec] has failed test [chars] [dec] times on device USB due to error [chars]

Explanation  Online diagnostics USB test has failed

Recommended Action  No action is required.

DEVICE_TEST-3

Message  DEVICE_TEST-3-STANDBY_TEST_GET_DIAG_VQI_FAIL: Standby test get diag vqi failed due to error [hex]

Explanation  Device Test Standby Loopback Test failed get vqi

Recommended Action  No action is required.

Message  DEVICE_TEST-3-STANDBY_TEST_GET_SPINE_FAIL: Standby test get spines failed due to error [hex]

Explanation  Device Test Standby Fabric Loopback Test get spine failed

Recommended Action  No action is required.

Message  DEVICE_TEST-3-STANDBY_TEST_INIT_FAIL: Init for standby test failed due to error [hex]

Explanation  Device Test Standby Fabric Loopback Test failed in its process

Recommended Action  No action is required.
Message  DEVICE_TEST-3-STANDBY_TEST_MTS_FAIL: Mts Init for standby test failed due to error [hex]

Explanation  Device Test Standby Fabric Loopback Test failed mts in it

Recommended Action  No action is required.

Message  DEVICE_TEST-3-STANDBY_TEST_SOCKET_FAIL: Standby test socket error [chars]: [hex]

Explanation  Device Test Standby Fabric Loopback Test Socket error

Recommended Action  No action is required.

DEVICE_TEST-4

Message  DEVICE_TEST-4-THREAD_CREATE_FAIL: Thread creation failed

Explanation  Device Test process could not create threads

Recommended Action  No action is required.

Message  DEVICE_TEST-4-TIMER_CREATE_FAIL: Timer creation failed

Explanation  Device Test process could not create timer

Recommended Action  No action is required.

Message  DEVICE_TEST-4-TIMER_START_FAIL: Timer start failed

Explanation  Device Test process could not start timer

Recommended Action  No action is required.

DEVICE_TEST-5

Message  DEVICE_TEST-5-NOTICE_TEST: Memory allocation failed notice

Explanation  Device Test process could not allocate memory

Recommended Action  No action is required.
DEVICE_TEST-6

Message   DEVICE_TEST-6-INFO_TEST: Memory allocation failed info
Explanation Device Test process could not allocate memory
Recommended Action No action is required.

DEV_LOG_SUP Messages

This section contains the DEV_LOG_SUP messages.

DEV_LOG_SUP-3

Message   DEV_LOG_SUP-3-ERROR: [chars]
Explanation Dev_log_sup encountered an error
Recommended Action No action is required.

DEV_LOG Messages

This section contains the DEV_LOG messages.

DEV_LOG-3

Message   DEV_LOG-3-ERROR: [chars]
Explanation Dev_log_lc encountered an error
Recommended Action No action is required.

DEV_LOG-SLOT#-4

Message   DEV_LOG-SLOT#-4-DEV_LOG_LC_ERROR: [chars]
Explanation Dev_log_lc encountered an error
Recommended Action No action is required.
DFTM Messages

This section contains the DFTM messages.

DFTM-SLOT#-2

Message  DFTM-SLOT#-2-DFTM_INTF_NOT_FOUND: Interface [chars] not found in DFTM database [chars]

   Explanation  DFTM database doesn’t have the interface.

   Recommended Action  No action is required.

Message  DFTM-SLOT#-2-DFTM_INVALID_FTAG_NUM: DFTM received invalid number of FTags [dec] from M2RIB

   Explanation  DFTM recvd invalid number of F Tags from M2RIB.

   Recommended Action  No action is required.

Message  DFTM-SLOT#-2-DFTM_INVALID_INTF_NUM: DFTM has invalid number of interfaces [dec] in the DB

   Explanation  DFTM has invalid number of interfaces in the DB.

   Recommended Action  No action is required.

Message  DFTM-SLOT#-2-DFTM_PC_NUM_MEMB_INVALID: DFTM received invalid number of PC members [dec] from ELTM

   Explanation  DFTM recvd invalid number of PC members from ELTM.

   Recommended Action  No action is required.

Message  DFTM-SLOT#-2-DFTM_VLAN_NOT_FOUND: VLAN [dec] not found in DFTM database [chars]

   Explanation  DFTM database does not have the VLAN.

   Recommended Action  No action is required.
DFTM-SLOT#-3

Message  DFTM-SLOT#-3-DFTM_BDDB_PROG_FAILED: DFTM failed to program BDDB Entry

Explanation  DFTM failed to program BDDB Entry

Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_BDT_PROG_FAILED: DFTM failed to program BD Table Entry

Explanation  DFTM failed to program BD Table Entry

Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_IFIDX_INVALID_PORT_LAYER: Invalid Port Layer Received for interface: [chars]

Explanation  Invalid Port Layer Received for interface

Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_IFIDX_INVALID_PORT_MODE: Invalid Port Mode Received for interface: [chars]

Explanation  Invalid Port Mode Received for interface

Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_IFIDX_INVALID_PORT_TYPE: Invalid Port Type Received for interface: [chars]

Explanation  Invalid Port Type Received for interface

Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_IFIDX_TYPE_ERROR: Failed to get type for interface: [chars]

Explanation  Failed to get type for the interface

Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_INVALID_PRIM_SEC_VLAN_REQ: DFTM received prim-sec request for a non-existing sec vlan [dec] on primary [dec]

Explanation  DFTM recvd prim-sec vlan mapping request for a non-existing sec vlan on prim vlan

Recommended Action  No action is required.
Message  DFTM-SLOT#-3-DFTM_L2L3CT_PROG_FAILED: DFTM failed to program L2L3 Consistency Table Entry

  Explanation  DFTM failed to program L2L3 Consistency Table Entry

  Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_MFT_PROG_FAILED: DFTM failed to program Multicast FTag Table Entry

  Explanation  DFTM failed to program Multicast Ftag Table Entry

  Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_SDT_PROG_FAILED: DFTM failed to program SGT DGT Table Entry

  Explanation  DFTM failed to program SGT DGT Table Entry

  Recommended Action  No action is required.

Message  DFTM-SLOT#-3-DFTM_VTT_PROG_FAILED: DFTM failed to program VLAN Translation Table Entry for vlan [dec], xlt_vlan [dec] on fe [dec]

  Explanation  DFTM failed to program VLAN Translation Table

  Recommended Action  No action is required.

DHCP_SNOOP Messages

This section contains the DHCP_SNOOP messages.

DHCP_SNOOP-2

Message  DHCP_SNOOP-2-DHCP_SNOOP_PROGRAM_EXIT: [chars]

  Explanation  DHCP snoop process did an abnormal exit

  Recommended Action  No action is required.

Message  DHCP_SNOOP-2-HWPGMFAILURE: Hardware programming has failed: [chars]

  Explanation  Hardware programming has failed. [chars] explains the reason for the failure.

  Recommended Action  No action is required.
Message  DHCP_SNOOP-2-INITFAIL: DHCP Daemon Initialization failed: [chars]

Explanation  DHCP Daemon Initialization failed. [chars] explains the reason for the failure.

Recommended Action  No action is required.

Message  DHCP_SNOOP-2-PSSERROR: [chars]

Explanation  DHCP Daemon encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

Message  DHCP_SNOOP-2-REGPARTREE: Unable to register part tree: [chars]

Explanation  Could not register part tree. [chars] explains the reason for the failure.

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

Explanation  DHCP Daemon is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-ASSERTION_FAILED: [chars]: [dec]

Explanation  DHCP Snoop process has hit an assert condition at file [chars] line number [dec]

Recommended Action  No action is required.


Explanation  [chars] identifies interface and [dec] identifies the vlan on which ARP packets have been denied. [chars] identifies sender mac and [chars] identifies the sender ip. [chars] identifies the target mac and [chars] identifies the target ip.

Recommended Action  No action is required.
Message  DHCP_SNOOP-3-DHCPRATELIMIT: Interface [chars] has been error disabled due to excessive ingress rate [dec] of DHCP packets.

Explanation  [chars] identifies the interface which has been error disabled due to excessive ingress rate [dec].

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-HWPGMFAILURE: Hardware programming has failed: [chars]

Explanation  Hardware programming has failed. [chars] explains the reason for the failure.

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-INVDHCPPKTS: Validation errors while processing DHCP packet received on interface [chars] vlan [dec] Reason:[chars]. Dropping the packet

Explanation  Validation errors DHCP packet received on the interface [chars] vlan [dec]. Reason:[chars]

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-MTSERROR: [chars]

Explanation  DHCP Daemon encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-PKTDROP: Packet dropped. Reason - [chars]

Explanation  Dropping the packet. [char] identifies the reason.

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-PKTRECVFAIL: Failed to receive packet - [chars]

Explanation  Failed to receive packet. [char] identifies the reason.

Recommended Action  No action is required.

Message  DHCP_SNOOP-3-PKTSENDFAIL: Failed to send packet, - [chars]

Explanation  Failed to send packet. [char] identifies the reason.

Recommended Action  No action is required.
**Message**  DHCP_SNOOP-3-SOCKBINDFAIL: Failed to bind to raw socket - [chars]

**Explanation**  Failed to bind to socket. [char] identifies the reason.

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-3-SOCKOPENFAIL: Failed to open socket for receiving DHCP packets - [chars]

**Explanation**  An attempt to open a socket for receiving DHCP packets failed. [char] identifies the reason.

**Recommended Action**  No action is required.

**DHCP_SNOOP-4**

**Message**  DHCP_SNOOP-4-ACL_DENY: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Explanation**  Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-4-DHCP_SNOOPING_DENY: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Explanation**  Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-4-ERROR_DISABLED: Interface [chars] has moved to error disabled state due to excessive rate [dec] of ingress ARP packets

**Explanation**  Interface [chars] has moved to error disabled state due to excessive rate [dec] of ingress ARP packets

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-4-INVALID_ARP: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Explanation**  Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action**  No action is required.
Message DHCP_SNOOP-4-SMARTRELAYMAXIPADDR: Smart relay is supported only on first [dec] IP addresses of the interface [chars].

Explanation There are more than SMARTRELAYMAXIPADDR addresses configured on the interface. [dec] is the number of IP addresses with which smart relay supported [chars] identifies the interface. This is an informational message.

Recommended Action No action is required.

Message DHCP_SNOOP-4-SMARTRELAYMAXLMT: Smart relay MAX limit [dec] reached. All subsequent DHCP packets will be relayed with primary address of inbound interface as relay agent address.

Explanation Smart relay MAX limit reached. [dec] is the number of smart relay bindings This is an informational message.

Recommended Action No action is required.

Message DHCP_SNOOP-4-SUBNETBCASTRELAYMAXIPADDR: subnet-broadcast relay is supported only on first [dec] IP addresses of the interface [chars].

Explanation There are more than SUBNETBCASTRELAYMAXIPADDR addresses configured on the interface. [dec] is the number of IP addresses with which subnet-broadcast relay supported [chars] identifies the interface. This is an informational message.

Recommended Action No action is required.

DHCP_SNOOP-5

Message DHCP_SNOOP-5-ACL_PERMIT: [dec] ARP messages ([chars]) on [chars], vlan [dec]. ([chars]/[chars]/[chars]/[chars]/[chars])

Explanation Packet-count [dec] ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/target-mac [chars]/target-ip [chars]/time-of-day [chars])

Recommended Action No action is required.


Explanation A Host identified by [chars] has been added. [chars] identifies the interface. [dec] identifies the VLAN. [chars] identifies IP address. [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Explanation  The lease for host identified by [chars] with IP address [chars] connected to interface [chars] in VLAN [dec] with lease [dec] has expired.

Recommended Action  No action is required.

Message  DHCP_SNOOP-5-DHCP_SNOOPING_PERMIT: [dec] ARP messages ([chars]) on [chars], vlan [dec]. ([chars]/[chars]/[chars]/[chars]/[chars])

Explanation  Packet-count [dec] ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars])

Recommended Action  No action is required.

Message  DHCP_SNOOP-5-VLANDISABLE: DHCP Snooping disabled on vlan [dec]

Explanation  DHCP Snooping was disabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action  No action is required.

Message  DHCP_SNOOP-5-VLANENABLE: DHCP Snooping enabled on vlan [dec]

Explanation  DHCP Snooping was enabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action  No action is required.

DHCP_SNOOP-6

Message  DHCP_SNOOP-6-DAIVLANDISABLE: DAI disabled on vlan [dec]

Explanation  Dynamic ARP Inspection was disabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action  No action is required.

Message  DHCP_SNOOP-6-DAIVLANENABLE: DAI enabled on vlan [dec]

Explanation  Dynamic ARP Inspection was enabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action  No action is required.

Explanation  Binding entry identified by [chars] has been synced. [chars] identifies the interface. [dec] identifies the VLAN. [chars] identifies IP address. [dec] identifies the lease time in secs. This is an informational message.

Recommended Action  No action is required.

Message  DHCP_SNOOP-6-DHCPEXIT: DHCP Daemon shutting down gracefully.

Explanation  DHCP Daemon is shutting down gracefully. This is an informational message.

Recommended Action  No action is required.


Explanation  [chars] identifies interface and [dec] identifies the vlan on which ARP packets have been permitted. [chars] identifies sender mac and [chars] identifies the sender ip. [chars] identifies the target mac and [chars] identifies the target ip.

Recommended Action  No action is required.

Message  DHCP_SNOOP-6-DHCPPKTFWD: Gracefully forwarding DHCP packet. Reason: [chars]

Explanation  Gracefully forwarding DHCP packet. reason [chars]

Recommended Action  No action is required.

Message  DHCP_SNOOP-6-DHCPUP: DHCP Daemon Up.

Explanation  DHCP Daemon was created successfully and is up and running. This is an informational message.

Recommended Action  No action is required.

Message  DHCP_SNOOP-6-INFO: [chars]

Explanation  An event during switchover. [chars] explains the reason for the failure.

Recommended Action  No action is required.
**Message**  DHCP_SNOOP-6-INTFDISABLE: IP Src Guard disabled on intf [chars]

**Explanation**  IP Src Guard was disabled on a given intf. [chars] is the intf-ID string that identifies the intf. This is an informational message.

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-6-INTFENABLE: IP Src Guard enabled on intf [chars]

**Explanation**  IP Src Guard was enabled on a given intf. [chars] is the intf-ID string that identifies the intf. This is an informational message.

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-6-NONDHCPPKTFWD: Non DHCP packet with src port:[dec] dst port:[dec] on intf:[chars] vlan:[dec]. Forwarding on [chars]

**Explanation**  Non DHCP packet arrived with UDP src/dst ports [dec], [dec] on interface [chars], vlan [dec]. Forwarding the packet on [chars]

**Recommended Action**  No action is required.

**Message**  DHCP_SNOOP-6-OPT82INSTFAIL: [chars] [chars]

**Explanation**  Insertion of Option82 sub options failed. [chars] tells the failure. [chars] explains the reason for failure. This is an informational message.

**Recommended Action**  No action is required.

**DIAGCLIENT Messages**

This section contains the DIAGCLIENT messages.

**DIAGCLIENT-2**

**Message**  DIAGCLIENT-2-DIAG_BOOTUP_COMPLETE: Module <[dec]

**Explanation**  Bootup Test completed

**Recommended Action**  Nothing to be done if the test reports SUCCESS otherwise copy the Message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information.

**Message**  DIAGCLIENT-2-EEM_ACTION_HM_SHUTDOWN: Test <[chars]

**Explanation**  Informational Syslog

**Recommended Action**  No action is required.
Message  DIAGCLIENT-2-PSS_READ_FAILURE: Read from PSS failed on Module <[dec]

Explanation  Read operation from PSS store failed

Recommended Action  No action is required.

Message  DIAGCLIENT-2-PSS_WRITE_FAILURE: Write to PSS failed on Module <[dec]

Explanation  Write operation on PSS store failed

Recommended Action  No action is required.

DIAGCLIENT-3

Message  DIAGCLIENT-3-ONDEMAND_FAIL_EXCESS: Module <[dec]

Explanation  Ondemand test has failed more than configured number of times

Recommended Action  Copy the Message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information

DIAGCLIENT-4

Message  DIAGCLIENT-4-LC_OFFLINE_FOR_CURR_SLOT: Received LC offline event for the current slot: [dec]. Ignoring it

Explanation  Informational Syslog

Recommended Action  No action is required.

Message  DIAGCLIENT-4-MTS_SEND_FAILURE: MTS send failed, mts_opc: [chars], dest slot: [dec], dest SAP: [dec], error-id: [hex]

Explanation  MTS send reports failure

Recommended Action  No action is required.

DIAGCLIENT-5

Message  DIAGCLIENT-5-CALLOC_FAILURE: Memory allocation failed

Explanation  DiagClient process could not allocate memory

Recommended Action  No action is required.
Message  DIAGCLIENT-5-DIAG_ONDEMAND_TEST_FINISH: Module [dec]: Ondemand test [chars] finished

Explanation  Informational Syslog

Recommended Action  No action is required.

Message  DIAGCLIENT-5-DIAG_ONDEMAND_TEST_START: Module [dec]: Ondemand test [chars] started

Explanation  Informational Syslog

Recommended Action  No action is required.

Message  DIAGCLIENT-5-DIAG_ONDEMAND_TEST_STOP: Module [dec]: Ondemand test [chars] stopped

Explanation  Informational Syslog

Recommended Action  No action is required.

Message  DIAGCLIENT-5-DIAG_SCHED_COMPLETE: Module <[dec]

Explanation  A scheduled Test was completed

Recommended Action  No action is required.

Message  DIAGCLIENT-5-ONDEMAND_FAIL: Module <[dec]

Explanation  The specified test has reported FAILURE in this Iteration

Recommended Action  No action is required.

Message  DIAGCLIENT-5-ONDEMAND_SUCCESS: Module <[dec]

Explanation  The specified test has reported SUCCESS in this Iteration

Recommended Action  No action is required.

**DIAGCLIENT-7**

Message  DIAGCLIENT-7-DIAG_HM_FAIL: Module <[dec]

Explanation  A Health Monitoring Test has reported failure

Recommended Action  Ensure the line card is firmly in the slot, re-seat if necessary, and attempt to run the test again if the line card is not seated properly in the slot. If the line card was properly seated in the slot, copy the Message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information.
Message DIAGCLIENT-7-PER_PORT_TEST_FAIL: Module <[dec]

Explanation Per Port Test has failed on the above all ports

Recommended Action No action is required.

**DIAGMGR Messages**

This section contains the DIAGMGR messages.

**DIAGMGR-2**

Message DIAGMGR-2-MTS_SEND_FAILURE: MTS send failed, mts_opc: [chars], dest slot: [dec], dest SAP: [dec], error-id: [hex]

Explanation MTS send reports failure

Recommended Action No action is required.

Message DIAGMGR-2-PSS_DELETE_FAILURE: Read from PSS failed on Module <[dec]

Explanation Read operation from PSS store failed

Recommended Action No action is required.

Message DIAGMGR-2-PSS_WRITE_FAILURE: Write to PSS failed on Module <[dec]

Explanation Write operation on PSS store failed

Recommended Action No action is required.

**DIAGMGR-3**

Message DIAGMGR-3-DIAG_MAJOR_DEFECT: Module <[dec]

Explanation A major error was detected during diagnostic testing

Recommended Action Re-seat the card and retry the test. If the same result occurs after re-seating the card and retrying the test, copy the Message exactly as it appears on the screen and gather the output of show tech-support and any other relevant information. Contact your technical support representative with the gathered information.
Message  DIAGMGR-3-DIAG_MINOR_DEFECT: Module <<dec

Explanation   A minor error was detected during diagnostic testing

Recommended Action   Re-seat the card and retry the test. If the same result occurs after re-seating the card and retrying the test, copy the Message exactly as it appears on the screen and gather the output of show tech-support and any other relevant information. Contact your technical support representative with the gathered information.

Message  DIAGMGR-3-GET_CURR_SLOT_FAIL: Failed to get the current slot for the process. Error:[chars]

Explanation   The process initialization failed to get the current slot.

Recommended Action   This is an informational message stating that a process initialization failure.

DIAGMGR-4

Message  DIAGMGR-4-CURR_SLOT_OFFLINE: Received an LC offline event for the current slot:[dec]. Ignoring it

Explanation   The process received an offline event for the slot it is running. Ignoring it.

Recommended Action   This is an informational message stating that an unexpected event has been encountered.

Message  DIAGMGR-4-DISRPT_TST_START: Starting Test <chars>

Explanation   Starting a Disruptive Test can disturb the systems normal functionality.

Recommended Action   Reset target module

Message  DIAGMGR-4-FIXED_INTRVL_CHANGED: The users are not allowed to change monitoring interval of Test <chars>

Explanation   The specified health monitoring test interval is not user-configurable and therefore cannot be changed.

Recommended Action   Nothing. The specific health monitoring interval is not user-configurable by design so nothing can be done to change the interval.

DIAGMGR-5

Message  DIAGMGR-5-BOOTUP_CONF: Diagnostic Bootup Level: <chars>

Explanation   Current Diagnostic BootUp Level being configure or changed

Recommended Action   No action is required.
Message  DIAGMGR-5-CALLOC_FAILURE: Memory allocation failure

Explanation  Memory allocation in a call to malloc/calloc has failed

Recommended Action  No action is required.

Message  DIAGMGR-5-CHANGE_ALWAYS_HM: Health Monitoring test <[chars]

Explanation  The specified health monitoring test must be run and cannot be disabled

Recommended Action  Nothing. The specific health monitoring test cannot be disabled by design. The system is working properly.

Message  DIAGMGR-5-HM_START: Health monitoring test <[chars]

Explanation  Health Monitoring Test started

Recommended Action  No action is required.

Message  DIAGMGR-5-HM_STOP: Disabling health monitoring test <[chars]

Explanation  Health Monitoring Test has been stopped It can be enabled through the diagnostic monitor command

Recommended Action  No action is required.

Message  DIAGMGR-5-INTRVL_INCORRECT: Monitoring Interval is less than minimum of [dec] seconds required for Module <[dec]

Explanation  Health Monitoring cannot be enabled for the specified test because the interval for the test has been incorrectly set

Recommended Action  The system is working properly and no user action is required. If you want to specify a smaller testing interval, the Message text provides the lowest possible configurable interval for the specified monitoring interval

Message  DIAGMGR-5-MODULE_MISSING: Diagnostic command issued on non-existing Module <[dec]

Explanation  A line card could not be located in a slot where a diagnostic action was requested

Recommended Action  Ensure the targeted line card is properly seated in the specified slot. If the line card is properly seated, ensure the correct slot was indicated in the command-line interface. If the line card is well-seated and the correct slot was specified, copy the Message exactly as it appears on the screen as well as the output of show tech-support and paste the output into a separate file. Contact your technical support representative with the gathered information.
Message  DIAGMGR-5-NONHM_AS_HM: The Test <chars>

Explanation  Non-HM test cannot be scheduled to run as a Health Monitoring test

Recommended Action  No action is required.

DIAGMGR-6

Message  DIAGMGR-6-BOOTUP_DIAG_OK: Module <dec>

Explanation  The diagnostic tests did not detect any error on the card.

Recommended Action  This is an informational message stating that the line card passed the diagnostic tests.

Message  DIAGMGR-6-BOOTUP_TEST_STARTED: Module <dec>

Explanation  Starting bootup testing for above module

Recommended Action  No action is required.

DIAG_PORT_LB Messages

This section contains the DIAG_PORT_LB messages.

DIAG_PORT_LB-2


Explanation  GOLD test detected faulty fabric

Recommended Action  Fabric failure, no corrective action needed (message for reload/power-down of faulty fabric), contact TAC for further action.

Message  DIAG_PORT_LB-2-DIAG_PORT_LB_FAIL_NO_ACTION: Module:<dec> Test:<chars> failed <dec> consecutive times. No action taken due to <chars>

Explanation  GOLD test failed due to faulty ports.

Recommended Action  Port failure, unable to identify the faulty device. No corrective action possible, contact TAC for further action.

Explanation  GOLD test failed due to faulty ports.

Recommended Action  Port failure, no corrective action needed as affected ports are error disabled. Contact TAC for further action.


Explanation  GOLD test failed due to faulty supervisor. Recovery not possible.

Recommended Action  Active sup failure, no corrective action needed (switchover to redundant sup failed), contact TAC for further action.


Explanation  GOLD test failed due to faulty supervisor. Doing Switchover to recover.

Recommended Action  Active sup failure, no corrective action needed (message for switchover to redundant sup), contact TAC for further action.

Message  DIAG_PORT_LB-2-FIPS_RANDOM_ERROR: Random Number Generation Failure

Explanation  Random Number generation failed in FIPS module

Recommended Action  No corrective action needed (message for FIPS mode failure), contact TAC for further action.


Explanation  Internal Port Loopback test failed on the module consecutively.

Recommended Action  Contact TAC. Immediate corrective action depends on failure reason/error:
- For sup tx/rx issues--Perform sup switchover if possible.
- For fabric issues--Power down faulty fabric card
- For port failure--If normal traffic is impacted, shut down affected ports mapped to failed ASIC.
Message  DIAG_PORT_LB-2-LCM_RESP_SEND_FAILURE: LC Inserted request response send to Module Manager failed. Error:[chars]

Explanation  Failed to send the response for LC insertion to Module Manager.

Recommended Action  No user action is needed, contact TAC.

Message  DIAG_PORT_LB-2-LIF_GET_ERROR: [chars]([dec]) [chars] Error:[chars]

Explanation  Port Loopback test process failed to get Diagnostic LIF ID.

Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-2-MALLOC_FAILURE: [chars]([dec]) Memory allocation failed.

Explanation  Port Loopback test process could not allocate memory.

Recommended Action  No user action needed, contact TAC.


Explanation  Port Loopback test failed on the module consecutively

Recommended Action  Contact TAC. Immediate corrective action depends on failure reason/error:
– For sup tx/rx issues--Perform sup switchover if possible.
– For fabric issues--Power down faulty fabric card
– For port failure--If normal traffic is impacted, shut down affected ports mapped to failed ASIC.

Message  DIAG_PORT_LB-2-PROC_INIT_FAILURE: [chars]([dec]) [chars] Error:[chars]

Explanation  Port Loopback test process failed in process initialization

Recommended Action  No user action is needed, contact TAC.


Explanation  Rewrite Engine Port Loopback test failed on the module consecutively

Recommended Action  Contact TAC. Immediate corrective action depends on failure reason/error:
– For sup tx/rx issues--Perform sup switchover if possible.
– For fabric issues--Power down faulty fabric card
– For port failure--If normal traffic is impacted, shut down affected ports mapped to failed ASIC.
**DIAG_PORT_LB-3**

**Message**  DIAG_PORT_LB-3-DIAG_FWD_PATH_SETUP_FAILURE: [chars]. Module:[dec] Error:[chars].

**Explanation**  Forwarding path setup for port loopback tests failed

**Recommended Action**  No user action needed, contact TAC.

**Message**  DIAG_PORT_LB-3-DIAG_PKT_SEND_FAILURE: [chars]([dec]) [chars]. Error:[chars]

**Explanation**  Port Loopback test process failed to send loopback packets.

**Recommended Action**  No user action needed, contact TAC.

**Message**  DIAG_PORT_LB-3-FSM_LIB_ERROR: [chars]([dec]) [chars]. Error:[chars]

**Explanation**  Port Loopback test process failed in MTS API.

**Recommended Action**  No user action needed, contact TAC.

**Message**  DIAG_PORT_LB-3-GET_DIAG_BD_FAIL: [chars]([dec]) [chars]:[dec] Failed to get the BD for Diag VLAN:[dec]. Error:[chars].

**Explanation**  Failed to get the BD corresponding to the Diag VLAN

**Recommended Action**  No user action needed, contact TAC.

**Message**  DIAG_PORT_LB-3-IFINDEX_LIB_FAILURE: [chars]([dec]) [chars] [chars]:[hex] [chars] [chars]

**Explanation**  Port Loopback test process failed in if_index library API

**Recommended Action**  No user action needed, contact TAC.

**Message**  DIAG_PORT_LB-3-INVALID_TEST_REQUEST: [chars]([dec]) [chars]:[dec]

**Explanation**  Port Loopback test process failed to send loopback packets.

**Recommended Action**  No user action needed, contact TAC.

**Message**  DIAG_PORT_LB-3-INVALID_TEST_RUN: [chars]([dec]) [chars]:[dec]

**Explanation**  Port Loopback test process failed to get the current test run information

**Recommended Action**  No user action needed, contact TAC.
Message  DIAG_PORT_LB-3-PDB_LIB_API_ERROR: Failed to [chars]. Error:[dec].
Explanation  The port loopback test was not able to get chassis info
Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-PIXM_LIB_ERROR: [chars]([dec]) Failed to convert [chars]:[hex] to [chars]. Error:[chars]
Explanation  Port Loopback test process failed to convert port if index
Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-PORT_CLIENT_LIB_ERROR: [chars] ([dec]) [chars]. Error: [chars]
Explanation  Port Loopback test process failed in Port Client API.
Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-RESULT_ADD_FAILURE: [chars] ([dec]) [chars]: [dec]
Explanation  Port Loopback test process failed to add the port test result
Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-RESULT_SEND_FAILURE: [chars] ([dec]) [chars]
Explanation  Port Loopback test process failed to send the test results
Recommended Action  No user action needed, contact TAC.

Explanation  Rewrite Engine Loopback test failed on the spine path consecutively
Recommended Action  Power-down affected fabric cards, contact TAC.

Message  DIAG_PORT_LB-3-SOCKET_ERROR: [chars] ([dec]) [chars] Error: [chars]
Explanation  Port Loopback test process failed in socket operations
Recommended Action  No user action needed, contact TAC.
Message  DIAG_PORT_LB-3-STATS_LIB_ERROR: [chars] ([dec]) [chars]: [dec]

Explanation  Port Loopback test process failed in stats infra lib API.

Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-TEST_RES_SEND_FAIL: Failed to send [chars] test results back to Diagnostics Infrastructure. Error: [chars].

Explanation  The Port Loopback test was not able to send the test results.

Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-TIMER_LIB_ERROR: [chars] ([dec]) [chars]

Explanation  Port Loopback test process timer handling failure.

Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-VLAN_ERROR: [chars] ([dec]) [chars] Error: [chars]

Explanation  Port Loopback test process failed to get Diagnostic VLAN info

Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-VQI_GET_FAIL: Failed to get the Diag VQI from XBM. Error:[chars]

Explanation  Rewrite Engine Loopback test failed in socket operations.

Recommended Action  No user action needed, contact TAC.

Message  DIAG_PORT_LB-3-XBM_CFG_REQ_FAIL: Failed to configure the XBAR mask while running the RewriteEngineLoopback test. Error:[chars]. Module:[dec] could have gone offline

Explanation  Rewrite Engine Loopback test failed to set the XBAR mask while running the test. The target module could have gone offline.

Recommended Action  No user action needed, contact TAC.

DIAG_PORT_LB-4

Message  DIAG_PORT_LB-4-MTS_LIB_ERROR: [chars] ([dec]) [chars]. Warning: [chars]

Explanation  Port Loopback test process failed in MTS API.

Recommended Action  No action is required (message for MTS error).
Message  DIAG_PORT_LB-4-PORT_CFG_REQ_SEND: [chars] ([dec]) Failed to send request
to configure port if index: [dec] for port loopback test

Explanation  Failed to configure/restore the port to do/cleanup port loopback testing

Recommended Action  No action is required.

DIAG_PORT_LB-5

Message  DIAG_PORT_LB-5-DIAG_PORT_LB_DISABLED: DIAG_PORT_LB Disabled

Explanation  DIAG_PORT_LB Service Disabled

Recommended Action  No action is required (config change notification message).

Message  DIAG_PORT_LB-5-DIAG_PORT_LB_ENABLED: DIAG_PORT_LB Enabled

Explanation  DIAG_PORT_LB Service enabled

Recommended Action  No action is required (config change notification message).

DMM Messages

This section contains the DMM messages.

DMM-SLOT#-2

Message  DMM-SLOT#-2-DMM_LOG: [chars]

Explanation  Temp main log

Recommended Action  No action is required.

DMM-SLOT#-5

Message  DMM-SLOT#-5-LOG_ERR_DMM_NEW_NPORT_SRVZR_ZONE: Job Id:%Ld VSAN:[dec] New
N-Port FCID:[hex] Server FCID:[hex] are in the same zone. ALERT!!

Explanation  A New N-Port has come up which is zoned in the same zone as the Server

Recommended Action  No action is required.
Message  DMM-SLOT#-5-LOG_ERR_DMM_NEW_NPORT_STG_ZONE: Job Id:%Ld VSAN:[dec] New N-Port FCID:[hex] Storage FCID:[hex] are in the same zone. ALERT!!

Explanation  A New N-Port has come up which is zoned in the same zone as the Storage

Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_ERR_DMM_SRVR_RSCN: Job Id:%Ld Server N-Port pWWN:0x%Lx

Explanation  An RSCN event was received for the Server associated with a Job

Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_ERR_DMM_STG_RSCN: Job Id:%Ld N-Port pWWN:0x%Lx Storage:[chars] [chars]

Explanation  An RSCN event was received for the Storage associated with a Job

Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_COMPLETE: Job Id:%Ld NumSession:[dec]

Explanation  Event indicating the completion of a Data Migration Job

Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_ERROR_LOST_SSM_PEER_CONNECTION: Job Id:%Ld NumSession:[dec]

Explanation  Event indicating the Suspension of Data Migration Job due to loss in ip connectivity to peer SSM

Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_ERROR: Job Id:%Ld NumSession:[dec]

Explanation  Event indicating the Suspension of Data Migration Job

Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_FINISH: Job Id:%Ld NumSession:[dec]

Explanation  Event indicating Finish-request for a Method-2 Data Migration Job

Recommended Action  No action is required.
Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_START: Job Id:%Ld NumSession:[dec]
Explanation  Event indicating the start of a Data Migration Job
Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_STOP: Job Id:%Ld NumSession:[dec]
Explanation  Event indicating that the Data Migration Job was stopped by Administrator
Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_TCP_CONNECTION_DOWN: Job Id:%Ld lost connection to peer [chars]. Job may be RESET
Explanation  Event indicating IP Connectivity loss to peer SSM. Affected Job maybe be RESET
Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_VERIFY_COMPLETE: Job Id:%Ld NumSession:[dec]
Explanation  Event indicating the completion of a Data Migration Job Verification
Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_VERIFY_ERROR: Job Id:%Ld NumSession:[dec]
Explanation  Event indicating the Suspension of Data Migration Job Verification due to an error
Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_VERIFY_START: Job Id:%Ld NumSession:[dec]
Explanation  Event indicating the start of a Data Migration Job Verification
Recommended Action  No action is required.

Message  DMM-SLOT#-5-LOG_EV_DMM_JOB_VERIFY_STOP: Job Id:%Ld NumSession:[dec]
Explanation  Event indicating the Suspension of Data Migration Job Verification by the user
Recommended Action  No action is required.

DOT1X Messages

This section contains the DOT1X messages.
**DOT1X-2**

**Message**  DOT1X-2-DOT1X_INIT: Dot1x unable to start

**Explanation**  The system failed to create the Dot1x process

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**DOT1X-3**

**Message**  DOT1X-3-DOT1X_ENABLE_STATIC_MAC_FOUND: Static mac found on an interface [chars], dot1x enable failed in ethpm pre-cfg

**Explanation**  Dot1x is not supported on an interface which is configured with static mac entries

**Recommended Action**  Remove the static mac entry on the interface

**Message**  DOT1X-3-ERR_SPANDST: It is configured as a SPAN Dest port.

**Explanation**  Dot1x and SPAN destination ports are mutually exclusive features.

**Recommended Action**  Disable SPAN destination port configuration first before reconfiguring Dot1x on the port.

**Message**  DOT1X-3-INVALID_INPUT: Invalid on interface [chars].

**Explanation**  The Dot1x interface parameter is out of the specified range or is invalid.

**Recommended Action**  Refer to the CLI help documentation to determine the valid 802.1x parameters.

**Message**  DOT1X-3-MEM_UNAVAIL: perform the 802.1X action.

**Explanation**  Insufficient system memory is available to perform the Dot1x Authentication.

**Recommended Action**  Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Message**  DOT1X-3-NOT_DOT1X_CAPABLE: [chars].

**Explanation**  Dot1x Authentication can only be enabled on physical Ethernet interfaces.

**Recommended Action**  Enable Dot1x Authentication on physical Ethernet interfaces only.
**Message**  DOT1X-3-SECURE_MAC_INSERT_FAILED: address [chars] could not be secured on interface [chars]

**Explanation**  The interface specified in the Message could not secured supplicant mac. The port has been Error disabled.

**Recommended Action**  Mac address could not be added into mac address table. Enter the <Cmd

**Message**  DOT1X-3-SECURITY_VIOLATION: New MAC address [chars] is seen on interface [chars] in [chars] mode

**Explanation**  The port on the interface specified in the Message is configured in single host mode. Any new host that is detected on the interface is treated as a security violation. The port has been Error disabled.

**Recommended Action**  Ensure that the port is configured to use only one host. Enter the <Cmd

**Message**  DOT1X-3-SM_INIT: Internal error while initializing state machine [chars], state [chars]: [chars]

**Explanation**  An attempt was made to initialize an invalid state machine.

**Recommended Action**  Initialize dot1x state machine

**DOT1X-4**

**Message**  DOT1X-4-BADEVENT: Event [chars] is invalid for the current state [chars]: [chars]

**Explanation**  An attempt was made to post an event to a state machine that is invalid for the current state.

**Recommended Action**  Initialize dot1x state machine

**Message**  DOT1X-4-MAB_DISABLED_ON_PCM: Interface [chars] is a member of portchannel, MAB is not supported on this port

**Explanation**  MAB is not supported on portchannel member port

**Recommended Action**  To enable MAB make sure that port is not member of portchannel

**Message**  DOT1X-4-MAB_DISABLED: Interface [chars] is in Trunk mode, MAB is not supported on this port

**Explanation**  MAB is not supported on Trunk port

**Recommended Action**  To enable MAB make sure that port is not in trunk mode
Message DOT1X-4-MULTIHOST_ON_PCM: Interface [chars] is a member of portchannel, dot1x host mode will be multi-host and changing it to single-host mode wont be supported'

Explanation Current Port is a member of portchannel, so dot1x host mode has to be in multi-host mode.

Recommended Action To change host mode, ensure that port is not a member of portchannel.

Message DOT1X-4-PSEC_ON_PCM: Interface [chars] is a member port or portchannel interface with port security configuration

Explanation Dot1x is not supported on member ports or port channel with port security configuration

Recommended Action Remove port security configuration on the member port or port channel interface.

Message DOT1X-4-STOPPED: Event [chars] ignored because the state machine is stopped: [chars] [chars]

Explanation An attempted was made to post an event to a state machine that has already been stopped.

Recommended Action An internal error has occurred with the state machine. The traceback should indicate the guilty party.

Message DOT1X-4-TO_MULTIHOST: Interface [chars] is in trunk mode, dot1x host mode will be multi-host and changing it to single-host mode wont be supported'

Explanation Current Port is in trunk mode, so dot1x host mode has to be in multi-host mode.

Recommended Action To change host mode, ensure that port is not in trunk mode.

DOT1X-5

Message DOT1X-5-DOT1X_DISABLED: dot1x Disabled

Explanation Dot1x Service Disabled

Recommended Action No action is required.

Message DOT1X-5-DOT1X_ENABLED: dot1x Enabled

Explanation Dot1x Service Enabled

Recommended Action No action is required.
Message  DOT1X-5-DOT1X_NOTIF: [chars]

Explanation  Dot1x Notification

Recommended Action  No action is required.

Message  DOT1X-5-INVALID_MAC: broadcast or multicast mac address) [chars] is trying to authenticate.

Explanation  Authentication using 802.1x is not allowed for zero, broadcast, and multicast source MAC addresses.

Recommended Action  Connect a Dot1x supported Host to the Dot1x enabled port.

Message  DOT1X-5-PAC_STATUS: PAC provisioning for the server [chars] through the vrf [chars] [chars]

Explanation  PAC provisioning status

Recommended Action  No action is required.

Message  DOT1X-5-SESSION_CREATION: Dot1x authentication session initiated in interface [chars] using authentication method [chars]

Explanation  Dot1x authentication session has been created after successful authentication of supplicant

Recommended Action  No action is required.

Message  DOT1X-5-SESSION_TERMINATION: Dot1x authentication session in interface [chars] using authentication method [chars] is terminated because of [chars] and port moved to [chars] state

Explanation  Dot1x authentication session has been terminated

Recommended Action  No action is required.

Message  DOT1X-5-STATUS: Dot1x interface [chars] status changed from [chars] to [chars]

Explanation  Dot1x authenticator has changed its internal state

Recommended Action  No action is required.
DOT1X-6

**Message**  DOT1X-6-NOT_DOT1X_CAPABLE_SAT_FABRIC: [chars].

**Explanation**  Dot1x Authentication can only be enabled on physical Ethernet interfaces.

**Recommended Action**  Enable Dot1x Authentication on physical Ethernet interfaces only.

DPP_DEBUG Messages

This section contains the DPP_DEBUG messages.

DPP_DEBUG-2

**Message**  DPP_DEBUG-2-DPP_CRIT: [DPP[dec]] [chars]

**Explanation**  A DPP generated a critical message

**Recommended Action**  No action is required.

DPVM Messages

This section contains the DPVM messages.

DPVM-2

**Message**  DPVM-2-ALLOC_FAILED: Memory allocation failed for size:[dec] for [chars]

**Explanation**  Memory allocation failed for size [dec] for [chars]

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  DPVM-2-DPVM_DUPL_REJECT: [chars]

**Explanation**  Rejected duplicate pwnn query

**Recommended Action**  DPVM overwrite-duplicate-pwnn
DPVM-3

**Message**  DPVM-3-DB_ERR: [chars]

**Explanation**  An error occurred during an DPVM database operation. [chars] indicates the reason for the error

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  DPVM-3-DDAS_MODE_INVALID: [chars]

**Explanation**  DDAS mode Invalid. [chars]

**Recommended Action**  Flip DDAS mode

**Message**  DPVM-3-INIT_FAIL: [chars]

**Explanation**  An error happened during DPVM Initialization. [chars] indicates the reason for failure

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  DPVM-3-MTS_ERR: [chars]

**Explanation**  An error occurred in processing of an MTS message. [chars] indicates the error that occurred

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  DPVM-3-PSS_ERR: [chars]

**Explanation**  An error occurred during an DPVM PSS operation. [chars] indicates the PSS operation that caused the error

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

DPVM-4

**Message**  DPVM-4-ACTIVATION_FAIL: [chars]

**Explanation**  Activation of DPVM device mappings failed due to [chars]

**Recommended Action**  Correct the error and reactivate database again
**Message**  DPVM-4-FEATURE_DISABLED: [chars]

**Explanation**  DPVM is unavailable and disabled now

**Recommended Action**  No action is required.

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**DPVM-6**

**Message**  DPVM-6-FEATURE_ENABLED: [chars]

**Explanation**  DPVM is available and enabled now

**Recommended Action**  No action is required.

**Message**  DPVM-6-INFO: [chars]

**Explanation**  An event happened that affects DPVM. [chars] indicates the event

**Recommended Action**  No action is required.

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**DSTATS Messages**

This section contains the DSTATS messages.

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**DSTATS-2**

**Message**  DSTATS-2-PSS_INIT_FAIL: pss initialization failed due to error: [hex]

**Explanation**  DSTATS process pss initialization failure due to error [hex].

**Recommended Action**  Collect more information using command 'showflash'. See pss system error codes for reason.

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**DSTATS-3**

**Message**  DSTATS-3-PSS_CREATE_FAIL: pss create runtime database failed due to error: [hex]

**Explanation**  DSTATS process pss create runtime database failure due to error [hex].

**Recommended Action**  Collect more information using command 'showflash'. See pss system error codes for reason.
Message  DSTATS-3-PSS_DELETE_FAIL: pss delete runtime entry key: [hex] failed due to error: [hex]

Explanation  DSTATS process pss delete runtime entry key [hex] failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See pss system error codes for reason.

Message  DSTATS-3-PSS_MAX_KEY_FAIL: pss set runtime max key failed due to error: [hex]

Explanation  DSTATS process pss set runtime max key failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  DSTATS-3-PSS_MAX_VALUE_FAIL: pss set runtime max value failed due to error: [hex]

Explanation  DSTATS process pss set runtime max value failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  DSTATS-3-PSS_OPEN_FAIL: pss open runtime database failed due to error: [hex]

Explanation  DSTATS process pss open runtime database failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  DSTATS-3-PSS_RELOAD_FAIL: pss reload runtime database failed due to error: [hex]

Explanation  DSTATS process pss reload runtime database failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  DSTATS-3-PSS_SNAPSHOT_DEBUG_FAIL: pss snapshot runtime debug to uri:[chars] failed due to error: [hex]

Explanation  DSTATS process pss snapshot of runtime debug to uri [string] failed due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.
**Message**  DSTATS-3-PSS_SNAPSHOT_FAIL: pss snapshot runtime to uri:[chars] failed due to error: [hex]

**Explanation**  DSTATS process pss snapshot of runtime to uri [string] failed due to error [hex].

**Recommended Action**  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message**  DSTATS-3-PSS_STORE_FAIL: pss store runtime entry key:[hex] val:[hex] failed due to error: [hex]

**Explanation**  DSTATS process pss store runtime entry key [hex] value [hex] failure due to error [hex].

**Recommended Action**  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.'

**DT_HELPER Messages**

This section contains the DT_HELPER messages.

**DT_HELPER-2**

**Message**  DT_HELPER-2-MALLOC_FAILURE: Memory allocation failed

**Explanation**  GOLD Test Helper process could not allocate memory

**Recommended Action**  No action is required.

**ELTMC Messages**

This section contains the ELTMC messages.

**ELTMC-2**

**Message**  ELTMC-2-MAX_PORT_PER_VLAN: Hit max ports per vlan [dec] count [dec]

**Explanation**  ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action**  No action is required.

**Message**  ELTMC-SLOT#-2-ELTMC_GENERIC_DEBUG: [chars]

**Explanation**  Logging some generic debugging info

**Recommended Action**  No action is required.
Message ELTMC-SLOT#-2-ELTMC_INTERFACE_INTERNAL_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

Explanation ELTM hit an internal error. Collect show tech-support eltm for further analysis.

Recommended Action No action is required.

Message ELTMC-SLOT#-2-ELTMC_INTERFACE_INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support eltm

Explanation ELTM hit an internal error. Collect show tech-support eltm for further analysis.

Recommended Action No action is required.

Message ELTMC-SLOT#-2-ELTMC_INTF_NOT_FOUND: Interface [chars] not found in ELTM database [chars]

Explanation ELTM database doesn't have the interface.

Recommended Action No action is required.

Message ELTMC-SLOT#-2-ELTMC_INTF_NOT_SUPP: Interface [chars] not supported by ELTM [chars]

Explanation ELTM doesn't support the interface for the specified operation

Recommended Action No action is required.

Message ELTMC-SLOT#-2-ELTMC_INTF_TO_LTL: Failed to get LTL for interface [chars] return status [chars]

Explanation ELTM Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

Recommended Action No action is required.

Message ELTMC-SLOT#-2-ELTMC_INTF_TO_SLOT: Failed to get slot for interface [chars] return status [chars]

Explanation ELTM Failed to get Slot for interface. Port-channels and L2 Learning might be effected

Recommended Action No action is required.

Message ELTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_INTF: Failed to allocate L2 LIF entries in forwarding engine for interface [chars]

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface

Recommended Action No action is required.
Message  ELTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_VDC: Failed to allocate L2 LIF entries in forwarding engine

Explanation  ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding in this VDC

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_L2_LIF_REALLOC_FAIL_IFNT: Failed to realloc L2 LIF entries in forwarding engine for interface [chars]

Explanation  ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface. ISSU failed for certain interfaces

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_L3_INGRESS_LIF_ALLOC_FAIL_IFNT: Failed to allocate L3 Ingress LIF entries in forwarding engine for interface [chars]

Explanation  ELTM Failed to allocate L3 Ingress LIF entries in forwarding engine. This will effect Layer 3 forwarding for the interface

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_LDB_REALLOC_FAIL: Failed to realloc LDB in forwarding engine for interface [chars] for non-XL linecard

Explanation  ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Shutdown the interfaces

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_LTL_ISSUE_EXT_COMP: Critical LTL clean-up issue (either ETHPM/PIXM) [chars]

Explanation  LTL wasn’t cleaned up either because ETHPM not sending DELETE or PIXM issuing a duplicate LTL

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_NONXL_LDB_REALLOC_FAIL: Failed to realloc LDB in forwarding engine for certain interfaces for non-XL linecard

Explanation  ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Shutdown the interfaces

Recommended Action  No action is required.
Message  ELTMC-SLOT#-2-ELTMC_PVLAN_XLT_ADD_FAIL: Failed to apply translation table add [chars]

Explanation  ELTM Failed to apply vlan translation table on an interface add

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_PVLAN_XLT_DEL_FAIL: Failed to apply translation table del [chars]

Explanation  ELTM Failed to apply vlan translation table on an interface del

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_RSVD_VLAN: Failed to get the reserved vlans. Failed with error [chars]

Explanation  ELTM Failed to get the reserved vlans. This will effect multicast forwarding on SVI interfaces.

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_VDC_LIF_REALLOC_FAIL: Failed to realloc LDB in forwarding engine for vdc [dec]. Reload VDC after config reduction

Explanation  ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Remove the interfaces and then reload VDC

Recommended Action  No action is required.

Message  ELTMC-SLOT#-2-ELTMC_VLAN_INTERNAL_ERROR: Internal error: VLAN [dec]:[chars], collect output of show tech-support eltm

Explanation  ELTM hit a internal error. Collect show tech-support eltm for further analysis.

Recommended Action  No action is required.

ELTM Messages

This section contains the ELTM messages.
ELTM-2

**Message** ELTM-2-INTERFACE_INTERNAL_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** ELTM-2-INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** ELTM-2-INTF_NOT_FOUND: Interface [chars] not found in ELTM database [chars]

**Explanation** ELTM database doesn’t have the interface'

**Recommended Action** No action is required.

**Message** ELTM-2-INTF_NOT_SUPP: Interface [chars] not supported by ELTM [chars]

**Explanation** ELTM does not support the interface for the specified operation

**Recommended Action** No action is required.

**Message** ELTM-2-INTF_TO_LTL: Failed to get LTL for interface [chars] return status [chars]

**Explanation** ELTM Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

**Recommended Action** No action is required.

ELTM-3

**Message** ELTM-3-OTV_FEATURE_FAIL: Feature OTV failed: [chars]

**Explanation** Error in ELTM while handling feature OTV request from OIM

**Recommended Action** No action is required.
ELTM-5

Message  ELTM-5-EXT_COMP_ERR: [chars] component error [chars]

Explanation  Recently applied Multicast config on the interface was unsuccessful, so reverting to the old state (before config)

Recommended Action  No action is required.

ELTM-6

Message  ELTM-6-ELTM_MTS_SEND_FAILED: Failed to send MTS message errno [hex] opcode [dec]

Explanation  No action is required.

Recommended Action  Eltm

EOU Messages

This section contains the EOU messages.

EOU-2


Explanation  Failure of host addition/deletion to/from pbACL group

Recommended Action  Please verify the addition/deletion of the host using the cli show object-group. If it was a delete request that failed, manual deletion of the host from the group is recommended

EOU-5

Message  EOU-5-L2NAC_DISABLED: EOU Disabled

Explanation  Service EOU Disabled

Recommended Action  No action is required.

Message  EOU-5-L2NAC_ENABLED: EOU Enabled

Explanation  Service EOU enabled

Recommended Action  No action is required.
EOU-6

Message  EOU-6-AAA_DOWN: Default Policy ip: [chars]:retained

Explanation  Policy retained

Recommended Action  No action is required.

Message  EOU-6-AUTHTYPE: Authtype: ip: [chars] Authtype:[chars]

Explanation  Authentication type

Recommended Action  No action is required.

Message  EOU-6-BAD_PKT: Bad Packet: ip: [chars] Why: [chars]

Explanation  Bad Packet because of reason specified

Recommended Action  No action is required.

Message  EOU-6-CTA: CTA: ip: [chars] status (detected/not detected): [chars]

Explanation  CTA detected or not

Recommended Action  No action is required.


Explanation  Identity Matched or not

Recommended Action  No action is required.

Message  EOU-6-PBACL_APPLICATION_STATUS: [chars] of host [chars] to/from pbacl group [chars] succeeded

Explanation  Status of host addition/deletion to pbacl group

Recommended Action  No action is required.

Message  EOU-6-POLICY: Policy on ip: [chars]: [chars]: [chars]

Explanation  Policy applied

Recommended Action  No action is required.
Message  EOU-6-POSTURE: Posture: ip: [chars] Status: [chars], Interface: [chars]

Explanation  Posture of host

Recommended Action  No action is required.

Message  EOU-6-SESSION: Session ip: [chars] Action: [chars], Interface: [chars]

Explanation  Session detected

Recommended Action  No action is required.

Message  EOU-6-SOCKET: Service eou on port: [dec]

Explanation  Eou using above port

Recommended Action  No action is required.

Message  EOU-6-SQ_EAP_MSG: Status Query: ip: [chars] status: [chars]

Explanation  Status query state

Recommended Action  No action is required.


Explanation  Error due to unknown event

Recommended Action  No action is required.

Message  EOU-6-VERSION_MISMATCH: Eou version mismatch ip: [chars] and version [dec]

Explanation  EOU version mismatch

Recommended Action  No action is required.

EOU-7

Message  EOU-7-EOU_DISABLED_INTF: eou disabled on interface [chars]

Explanation  EOU service disabled on interface

Recommended Action  No action is required.
Message  EOU-7-EOU_ENABLED_INTF: eou enabled on interface [chars]

Explanation  EOU service enabled on interface

Recommended Action  No action is required.

**EPLD_AUTO Messages**

This section contains the EPLD_AUTO messages.

**EPLD_AUTO-2**

**Message**  EPLD_AUTO-2-AUTO_UPGRADE_CHECK: Automatic EPLD upgrade check for module [dec]: [chars]

Explanation  Automatic upgrade pre-upgrade notice.

Recommended Action  No action is required.

**Message**  EPLD_AUTO-2-AUTO_UPGRADE_ENDED: Automatic EPLD Upgrade completed for module [dec]

Explanation  Automatic upgrade of module completed.

Recommended Action  No action is required.

**Message**  EPLD_AUTO-2-AUTO_UPGRADE_STARTED: Automatic EPLD Upgrade started for module [dec]

Explanation  Automatic upgrade of module started.

Recommended Action  No action is required.

**Message**  EPLD_AUTO-2-AUTO_UPGRADE_STATUS: [chars]

Explanation  Automatic upgrade status notice.

Recommended Action  No action is required.

**EPLD_UPGRADE Messages**

This section contains the EPLD_UPGRADE messages.
EPLD_UPGRADE-2

Message  EPLD_UPGRADE-2-ACTIVE_SINGLE_SUP_UPGRADE: install all epld does not upgrade Active Supervisor module [dec].

Explanation  Install all EPLD does not upgrade Active Supervisor in a switch with a single supervisor.

Recommended Action  No action is required.

Message  EPLD_UPGRADE-2-ACTIVE_SUP_UPGRADE: install all epld does not upgrade Active Supervisor module [dec]. Please do a switchover and upgrade the EPLDs on module [dec].

Explanation  Install all EPLD did not upgrade Active Supervisor.

Recommended Action  No action is required.

EPP Messages

This section contains the EPP messages.

EPP-5

Message  EPP-5-EPP_FAILURE: Interface [chars] EPP Failure

Explanation  Trunk protocol failed

Recommended Action  show epp internal event-history err' will indicate the errors encountered

Message  EPP-5-EPP_LOOPBACK: Interface [chars] is looped back to the same switch

Explanation  The interface is looped back to another interface on the same switch

Recommended Action  Check the connectivity of this interface and ensure that it is connected to another switch

Message  EPP-5-EPP_TRUNK_PROTOCOL_STATUS: epp trunk protocol is [chars] on switch

Explanation  Epp trunk protocol enabled/disabled on the switch

Recommended Action  No action is required.

ETH-PORT-SEC Messages

This section contains the ETH-PORT-SEC messages.
ETH-PORT-SEC-3

Message ETH-PORT-SEC-3-ETH_PORT_SEC_CONFIG_MAC_FAILED: Failed to configure MACs

Explanation Failed to configure MACs

Recommended Action No action is required.

Message ETH-PORT-SEC-3-ETH_PORT_SEC_INVALID_VLAN: Invalid VLAN configuration

Explanation Invalid VLAN configuration

Recommended Action No action is required.


Explanation Moved the port to violation state due to a mac address seen on one port being seen on another

Recommended Action No action is required.

Message ETH-PORT-SEC-3-ETH_PORT_SEC_SECURITY_VIOLATION_MAX_MAC_VLAN: Port [chars] moved to [chars] state as host [chars] is trying to access the port in vlan [dec]

Explanation Moved the port to violation state due to exceeding address count

Recommended Action No action is required.

Message ETH-PORT-SEC-3-ETH_PORT_SEC_UNABLE_TO_DISABLE: Unable to disable eth_port_sec [chars].

Explanation Unable to disable eth_port_sec Service

Recommended Action No action is required.

Message ETH-PORT-SEC-3-ETH_PORT_SEC_UNABLE_TO_ENABLE: Unable to enable eth_port_sec [chars].

Explanation Unable to enable eth_port_sec Service

Recommended Action No action is required.
Message ETH-PORT-SEC-3-ETH_PORT_SEC_VIOL_UPDATE_FAILED: Failed to update violation mode

Explanation Failed to update violation mode

Recommended Action No action is required.

ETH-PORT-SEC-5


Explanation Age time expired for host

Recommended Action No action is required.

Message ETH-PORT-SEC-5-ETH_PORT_SEC_DISABLED: eth_port_sec Disabled on if_index:[hex]

Explanation Eth_port_sec Service Disabled

Recommended Action No action is required.

Message ETH-PORT-SEC-5-ETH_PORT_SEC_DYNAMIC_MAC_ADDRESS_CLEARED: Dynamic MAC addresses for port [chars] cleared

Explanation Dynamic MAC address for port cleared

Recommended Action No action is required.

Message ETH-PORT-SEC-5-ETH_PORT_SEC_ENABLED: eth_port_sec Enabled on if_index:[hex]

Explanation Eth_port_sec Service Enabled

Recommended Action No action is required.


Explanation A new host is learnt on a port

Recommended Action No action is required.
**Message**  ETH-PORT-SEC-5-ETH_PORT_SEC_HOST_DELETION: Host [chars] bound to secure port [chars] in Vlan [dec] has been removed

**Explanation** A host has been removed

**Recommended Action** No action is required.

**ETHPORT Messages**

This section contains the ETHPORT messages.

**ETHPORT-2**

**Message**  ETHPORT-2-IF_CRITICAL_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message**  ETHPORT-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason:[chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command show port internal all interface [char]. In most cases, you can recover using a shutdown followed by a noshutdown on the interface or removing and re-inserting the fiber optic-cable.

**Message**  ETHPORT-2-IF_SEQ_ERROR: Error ([chars]) communicating with [chars] for opcode [chars] ([chars])

**Explanation** Some component returned system error as a response to one of the port event sequence.

**Recommended Action** None

**Message**  ETHPORT-2-SEQ_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message**  ETHPORT-2-SYSLOG_ETHPM_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support
ETHPORT-3

**Message** ETHPORT-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform shut and noshutdown on the PortChannel interface that it belongs to

**Message** ETHPORT-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** ETHPORT-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** ETHPORT-3-IF_SFP_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** ETHPORT-3-IF_SFP_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** ETHPORT-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced
Message  ETHPORT-3-IF_XCVR_ALARM: Interface [chars], [chars]
Explanation  There was an alarm on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

Message  ETHPORT-3-IF_XCVR_ERROR: Interface [chars], [chars]
Explanation  There was an error on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

ETHPORT-4

Message  ETHPORT-4-IF_DOWN_NOT_PC_MEMBER: Interface [chars] is down (Not PC Member)
Explanation  Port needs to be port-channel member for current configuration
Recommended Action  No action is required.

Message  ETHPORT-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected
Explanation  The transceiver for the interface specified has not been qualified on this platform for this software release
Recommended Action  Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Message  ETHPORT-4-IF_SFP_WARNING: Interface [chars], [chars]
Explanation  There was an warning on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

Message  ETHPORT-4-IF_XCVR_WARNING: Interface [chars], [chars]
Explanation  There was an warning on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

ETHPORT-5

Message  ETHPORT-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]
Explanation  Interface is admin up
Recommended Action  No action is required.
Message ETHPORT-5-IF_BANDWIDTH_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

Explanation Bandwidth of the interface (port channel) has changed and this change is updated

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)

Explanation Interface has been configured to be administratively down

Recommended Action Perform noshutdown" 

Message ETHPORT-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down (Config change)

Explanation FCIP interface temporarily down due to reconfiguration

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)

Explanation This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

Recommended Action Perform noshutdown on the PortChannel interface that it belongs to

Message ETHPORT-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)

Explanation The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

Recommended Action Retry the configuration again

Message ETHPORT-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

Explanation Isolated due to a failure while assigning a domain

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

Explanation Invalid RCF received

Recommended Action No action is required.
Message ETHPORT-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

Explanation Isolated due to domain manager being disabled

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

Explanation Remote end domain manager not responding

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

Explanation Isolating this interface due to the remote end being isolated

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

Explanation Isolated due to domain overlap

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation ELP failed on the interface

Recommended Action Check the output of 'show port internal info' in the 'ELP failure reason' field

Message ETHPORT-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation Trunk protocol failed

Recommended Action ‘show port internal event-history msgs’ will indicate the trunk protocol exchanges to determine why it failed

Message ETHPORT-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

Explanation ESC failed on the interface

Recommended Action Check the output of 'show port internal event - history' to determine the ESC protocol exchanges to determine how it failed
Message ETHPORT-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down (Tunnel port src interface down)

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected, the interface is administratively enabled

Message ETHPORT-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down (Tunnel port src interface link down)

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected and the remote end is also active

Message ETHPORT-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)

Explanation The FCOT has been removed

Recommended Action Insert an FCOT

Message ETHPORT-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

Explanation Fcot inserted is not a supported one

Recommended Action Please contact customer support for a list of authorized transceiver vendors

Message ETHPORT-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)

Explanation The modules hardware has failed

Recommended Action Collect more information about failed module using command 'show module internal all module'

Message ETHPORT-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

Explanation The port VLAN or VSAN has been suspended or deleted

Recommended Action Assign a new active port VLAN/VSAN to the interface

Message ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

Explanation The configured mode is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the list of modes supported on this interface
Message ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

Explanation The configured receive B2B credit size is not supported

Recommended Action Get the allowed receive B2B credit size from 'show port internal info'

Message ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

Explanation The configured receive buffer size is not supported

Recommended Action Get the allowed receive buffer size from 'show port internal info'

Message ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

Explanation The configured speed is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the range of speed supported on this interface

Message ETHPORT-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)

Explanation The interface is in the process of coming up

Recommended Action If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message ETHPORT-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)

Explanation Interface removed

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Message ETHPORT-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)

Explanation Diag failed on the interface

Recommended Action Collect more information about failed interface using command 'attach module' to connect to module
Message  ETHPORT-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

Explanation  The interface is looped back to another interface on the same switch

Recommended Action  Check the connectivity of this interface and ensure that it is connected to another switch

Message  ETHPORT-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)

Explanation  Interface is down because the module was removed

Recommended Action  No action is required.

Message  ETHPORT-5-IF_DOWN_NONE: Interface [chars] is down ([chars])

Explanation  Interface is down with a possible reason.

Recommended Action  Collect more information about port using command 'show port internal info/event-history' to determine why it went down

Message  ETHPORT-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)

Explanation  The loop port has been put into non participating mode

Recommended Action  No action is required.

Message  ETHPORT-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)

Explanation  The interface has been placed into the offline state

Recommended Action  No action is required.

Message  ETHPORT-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)

Explanation  Parent interface is down

Recommended Action  No action is required.

Message  ETHPORT-5-IF_DOWN_PARENT_DOWN: Interface [chars] is down (Parent interface is down)

Explanation  The physical link on the parent interface has gone down

Recommended Action  No action is required.
Message ETHPORT-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down (TCP conn. closed by peer)

Explanation The FCIP peer connected to this interface closed the TCP connection

Recommended Action This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

Message ETHPORT-5-IF_DOWN_PEER_RESET: Interface [chars] is down (TCP conn. reset by peer)

Explanation TCP connection to the FCIP peer got reset

Recommended Action The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Message ETHPORT-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)

Explanation This is a PortChannel interface and all its members are operationally down

Recommended Action Enable at least one of the PortChannel members'

Message ETHPORT-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

Explanation Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'noshutdown'

Message ETHPORT-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)

Explanation There is an RCF in progress

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)

Explanation The software servicing the data path on the port has failed

Recommended Action No action is required.
Message ETHPORT-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down(Tunnel source module not online)

Explanation Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action The module that has the tunnel src port is coming online. Please use show mod to find module status

Message ETHPORT-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

Explanation Tunnel port source interface unbound

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down(Tunnel src port removed)

Explanation Tunnel source port of this FCIP interface has been removed

Recommended Action The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

Message ETHPORT-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode)

Explanation This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

Recommended Action Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message ETHPORT-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

Explanation This interface belongs to a PortChannel and operational speed mode of the interface is different from that of the PortChannel

Recommended Action Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message ETHPORT-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

Explanation This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

Recommended Action Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel
Message ETHPORT-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)

Explanation This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

Recommended Action Perform a ‘shutdown’ and a ‘noshutdown’. If this happens again obtain output of ‘show port internal info / event-history’ on the interface

Message ETHPORT-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

Explanation TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message ETHPORT-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

Explanation Interface is down due to maximum retransmission failure

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message ETHPORT-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

Explanation TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message ETHPORT-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

Explanation Upgrade of the linecard software is in progress

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf down)

Explanation The VRF for which this interface is a member is removed

Recommended Action No action is required.
Message ETHPORT-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

Recommended Action Check the VSANs configured on the local end with the remote end

Message ETHPORT-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

Explanation Isolated due to a failure during zone merge

Recommended Action No action is required.

Message ETHPORT-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

Explanation Isolated due to remote zone server not responding

Recommended Action No action is required.

Message ETHPORT-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

Explanation Operational duplex mode has changed when link came up

Recommended Action No action is required.

Message ETHPORT-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

Explanation Interface is being recovered from error disabled state

Recommended Action No action is required.

Message ETHPORT-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]

Explanation There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

Recommended Action No action is required.

Message ETHPORT-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]

Explanation The l2mp-mode on the port has changed

Recommended Action No action is required.
**Message**  ETHPORT-5-IP_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation**  Operational receive flow control has changed when link came up

**Recommended Action**  No action is required.

**Message**  ETHPORT-5-IF_TRUNK_DOWN: Interface [chars], vlan [chars] down

**Explanation**  Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action**  The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message**  ETHPORT-5-IF_TRUNK_UP: Interface [chars], vlan [chars] up

**Explanation**  Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action**  No action is required.

**Message**  ETHPORT-5-IF_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation**  Operational transmit flow control has changed when link came up

**Recommended Action**  No action is required.

**Message**  ETHPORT-5-IF_UP: Interface [chars] is up [chars]

**Explanation**  Interface is up in mode specified, if applicable

**Recommended Action**  No action is required.

**Message**  ETHPORT-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation**  Operational speed has changed when link came up

**Recommended Action**  No action is required.

**Message**  ETHPORT-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation**  Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action**  Identify source of traffic storm
Message  ETHPORT-5-STORM_CONTROL BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

Explanation  Traffic on specified port has returned to within configured storm-control threshold

Recommended Action  No action is required.

**ETH_PORT_CHANNEL Messages**

This section contains the ETH_PORT_CHANNEL messages.

**ETH_PORT_CHANNEL-1**

Message  ETH_PORT_CHANNEL-1-LC_CFG_FAILURE: configuring module [dec] failed [chars]

Explanation  Module configuration failed

Recommended Action  Module will be automatically reset

Message  ETH_PORT_CHANNEL-1-MALLOC_FAILED: cannot allocate memory (size [dec])

Explanation  No enough memory

Recommended Action  No action is required.

Message  ETH_PORT_CHANNEL-1-MAP_PARAM_FAILURE: mapping parameter failed for [chars] [chars]

Explanation  Parameter mapping failed

Recommended Action  Specified service is misbehaving; check its status

Message  ETH_PORT_CHANNEL-1-MCAST_SEND_FAILURE: failed to send multicast [chars]: [chars]

Explanation  Failed to send a multicast message to all modules, usually because some module went down

Recommended Action  Run show port-channel consistency to check consistency
**ETH_PORT_CHANNEL-2**

**Message** ETH_PORT_CHANNEL-2-RESET_MODULE: reset module [dec] for not responding or returning error

**Explanation** A module is reset for not responding or returning error

**Recommended Action** No action is required.

**ETH_PORT_CHANNEL-3**

**Message** ETH_PORT_CHANNEL-3-ADD_REM_MEMBERS_FAILURE: [chars]

**Explanation** Some service(s) failed to add or remove ports to port-channel

**Recommended Action** None

**Message** ETH_PORT_CHANNEL-3-ALL_DROP_TIMEOUT: Some component(s) (sap:[chars]) timed out on dropping notif:[chars] (for:[chars]); Please collect <show system internal mts buffers details

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** ETH_PORT_CHANNEL-3-COMPAT_CHECK_FAILURE: [chars] is not compatible

**Explanation** Compatibility check failed when adding ports to port-channel

**Recommended Action** Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

**Message** ETH_PORT_CHANNEL-3-GENERAL_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.
Message ETH_PORT_CHANNEL-3-NUM_ACTIVE_PORTS_ERROR: Port-channel:[chars] active_nports [dec]; No member is active; Please collect <show tech-support port-channel/ethpm

Explanation Port-channel num active ports error

Recommended Action None

Message ETH_PORT_CHANNEL-3-PCM_HWCFG_FAIL_ERROR: Port-channel:[chars] mbr:[chars] SAP [dec] returned error [chars] for opc [chars]; if lacp port-channel please collect <show tech-support lacp all

Explanation Port-channel hwcfg fail error

Recommended Action None

Message ETH_PORT_CHANNEL-3-PCM_INTERNAL_ERROR: Port-channel:[chars] mbr:[chars]; if lacp port-channel please collect <show tech-support lacp all

Explanation Port-channel internal error

Recommended Action None

Message ETH_PORT_CHANNEL-3-PCM_PORT_DEL_IN_PC_UP_ERROR: Port-channel:[chars] mbr:[chars]; if lacp port-channel please collect <show tech-support lacp all

Explanation Port-channel port del in pc_up. Shut response received before bundle member down.

Recommended Action None

Message ETH_PORT_CHANNEL-3-PCM_PORT_DOWN_IN_PC_UP_ERROR: Port-channel:[chars] mbr:[chars]; if lacp port-channel please collect <show tech-support lacp all

Explanation Port-channel port down in pc_up. No bundle member down.

Recommended Action None

Message ETH_PORT_CHANNEL-3-PORT_CHANNEL_NOT_FOUND: [chars] is not found

Explanation Cannot find port-channel in its database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-3-RESOURCE_ALLOC_FAILED_PORT_CHANNEL_DELETED: [chars] deleted

Explanation Port-channel deleted from running config

Recommended Action May need to re-configure the port-channel and its members
Message ETH_PORT_CHANNEL-3-RSP_TIMEOUT: Component [chars] timed out on response to opcode:[chars] (for:[chars])

Explanation Some component did not respond to a request in stipulated time.

Recommended Action None

Message ETH_PORT_CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]

Explanation Some operation timed out

Recommended Action Run show port-channel consistency to check all module connectivity and consistency

Message ETH_PORT_CHANNEL-3-SHADOW_MBR_CHANGE_FAILURE: [chars]

Explanation Some service failed shadow member change to port-channel

Recommended Action None

Message ETH_PORT_CHANNEL-3-SHADOW_PC_CREATE_FAILURE: [chars]

Explanation Some service failed shadow port-channel create

Recommended Action None

Message ETH_PORT_CHANNEL-3-SHADOW_PC_DELETE_FAILURE: [chars]

Explanation Some service failed shadow port-channel delete

Recommended Action None

**ETH_PORT_CHANNEL-4**

Message ETH_PORT_CHANNEL-4-PORT_CFG_DELETED: [chars] removed from [chars] (different module inserted)

Explanation Port is removed from a port-channel because a different module was inserted to the same slot

Recommended Action You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.
Message  ETH_PORT_CHANNEL-4-PORT_INDIVIDUAL: port [chars] is operationally individual

Explanation  The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

Recommended Action  Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

Message  ETH_PORT_CHANNEL-4-PORT_NOT_FOUND: port [chars] is not part of port-channel

Explanation  Cannot find the port in port-channel database, which indicates an inconsistency with an external component

Recommended Action  No action is required.

Message  ETH_PORT_CHANNEL-4-RACE_WARN: [chars]

Explanation  Warning of possible race condition

Recommended Action  No action is required.

Message  ETH_PORT_CHANNEL-4-UNEXPECTED_RESPONSE: unexpected response [chars] from [chars]

Explanation  Received an unexpected response and discarded

Recommended Action  No action is required.

ETH_PORT_CHANNEL-5

Message  ETH_PORT_CHANNEL-5-AUTO_CREATE_FAILURE: [chars] [chars]

Explanation  Auto create process on the port failed

Recommended Action  No action is required.

Message  ETH_PORT_CHANNEL-5-CREATED: [chars] created

Explanation  A port-channel is created

Recommended Action  No action is required.

Message  ETH_PORT_CHANNEL-5-DELETED: [chars] deleted

Explanation  A port-channel is deleted

Recommended Action  No action is required.
Message ETH_PORT_CHANNEL-5-POP_CHANGED: [chars]: first operational port changed from [chars] to [chars]

Explanation The first operational port in a port-channel is changed

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode

Explanation Compatibility check failed when adding ports to port-channel

Recommended Action Make sure the compatibility parameters are consistent between the ports and the port-channel

Message ETH_PORT_CHANNEL-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed

Explanation Operational compatibility check failed on the port in a port-channel

Recommended Action Make sure the compatibility parameters are consistent between the ports and the port-channel

Message ETH_PORT_CHANNEL-5-MAX_CHANNEL_DISALLOWED: Module failed to come online because port channel interface <port-channel number

Explanation The port-channel number configured on the switch is larger than 128

Recommended Action Delete the set of port channel interface <port-channel interface

Message ETH_PORT_CHANNEL-5-PORT_ADDED: [chars] added to [chars]

Explanation Ports are added to a port-channel

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-PORT_DOWN: [chars]: [chars] is down

Explanation Port goes down in a port-channel

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-PORT_HOT_STANDBY_DOWN: [chars]: hot-standby port [chars] is down

Explanation Port-channel hot-standby member goes down

Recommended Action No action is required.
Message ETH_PORT_CHANNEL-5-PORT_HOT_STANDBY: [chars]: [chars] goes to hot-standby

Explanation Port goes to hot-standby in a port-channel

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-PORT_INDIVIDUAL_DOWN: individual port [chars] is down

Explanation Port-channel member operating in individual mode goes down

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-PORT_REMOVED: [chars] removed from [chars]

Explanation Ports are removed from a port-channel

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-PORT_SUSPENDED: [chars]: [chars] is suspended

Explanation Port is suspended in a port-channel

Recommended Action No action is required.

Message ETH_PORT_CHANNEL-5-PORT_UP: [chars]: [chars] is up

Explanation Port comes up in a port-channel

Recommended Action No action is required.


Explanation The ports subgroup-id got changed

Recommended Action No action is required.

**ETH_PORT_CHANNEL-6**

Message ETH_PORT_CHANNEL-6-RESYNC: resyncing [chars] with all modules

Explanation Resync modules with sup after an error or switchover

Recommended Action No action is required.
**ETH_PORT_CHANNEL-7**

**Message** ETH_PORT_CHANNEL-7-GSYNC_DONE: global synchronization is done

**Explanation** Port-channel manager finished global synchronization

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-7-GSYNC_REQ: requesting global synchronization

**Explanation** Port-channel manager requested a global synchronization from active sup

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-7-START_ACTIVE: started in active mode

**Explanation** Port-channel manager started in active mode

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-7-START_DEFAULT: started with default configuration

**Explanation** Port-channel manager started with default configuration

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-7-START_STANDBY: started in standby mode

**Explanation** Port-channel manager started in standby mode

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-7-START_STATEFUL: started statefully

**Explanation** Port-channel manager started with running configuration

**Recommended Action** No action is required.

**Message** ETH_PORT_CHANNEL-7-START_STATELESS: started statelessly

**Explanation** Port-channel manager started with startup configuration

**Recommended Action** No action is required.

**EUREKA_USD Messages**

This section contains the EUREKA_USD messages.
EUREKA_USD-3

Message  EUREKA_USD-3-MSG1: [chars]
Explanation  Eureka log message
Recommended Action  No action is required.

EVMC Messages

This section contains the EVMC messages.

EVMC-3

Message  EVMC-3-MTS_OPERATION_FAILED: [chars][{dec}]: [chars]
Explanation  Internal IPC operation failed in Event Manager Client
Recommended Action  No action is required.

EVMC-4

Message  EVMC-4-ACTION_CFG_MONITOR_COLLECT: [chars]{{dec}}: Action configuration disallowed for Monitor Collect Policy
Explanation  Configuring Policy Action for Monitor Collect Policy is not allowed and hence, has been rejected
Recommended Action  No action is required.

EVMC-5

Message  EVMC-5-AVL_CREATE_FAIL: [chars]{{dec}}: AVL Tree creation failure
Explanation  Event Manager could not initialize local policy store
Recommended Action  No action is required.

Message  EVMC-5-MALLOC_FAILURE: [chars]{{dec}}: Memory allocation failure
Explanation  Event Manager Client process could not allocate memory
Recommended Action  No action is required.
Message  EVMC-5-RT_PSS_OP_FAILURE: [chars][{dec}]: Failed to [chars].
Error:[chars]

Explanation  Event Manager Client could not access HA store

Recommended Action  No action is required.

EVMED Messages

This section contains the EVMED messages.

EVMED-2

Message  EVMED-2-EVMED_PSS_DELETE_FAILURE: Delete from PSS failed

Explanation  Delete from PSS failed

Recommended Action  No action is required.

Message  EVMED-2-EVMED_PSS_WRITE_FAILURE: Write to PSS failed

Explanation  Write to PSS failed

Recommended Action  No action is required.

EVMED-5

Message  EVMED-5-EVMED_DISABLED: Event Detectors Disabled

Explanation  Event manager event detector service disabled

Recommended Action  No action is required.

Message  EVMED-5-EVMED_ENABLED: Event Detectors Enabled

Explanation  Event manager event detector service enabled

Recommended Action  No action is required.

EVMS Messages

This section contains the EVMS messages.
EVMS-2

Message EVMS-2-EVMS_PSS_DELETE_FAILURE: Delete from PSS failed
Explanation Delete from PSS failed
Recommended Action No action is required.

Message EVMS-2-EVMS_PSS_WRITE_FAILURE: Write to PSS failed
Explanation Write to PSS failed
Recommended Action No action is required.

Message EVMS-2-EVMS_SHOW_POLICY_ALLOC_FAILURE: Insufficient memory: policy information shown will be incomplete
Explanation Memory allocation failed. so complete requested information is not being shown
Recommended Action No action is required.

EVMS-4

Message EVMS-4-EVMS_APPLET_NO_ACTION_DEFAULT: WARNING: The default system policy actions are being skipped
Explanation The default system policy actions are being skipped
Recommended Action No action is required.

EVMS-6

Message EVMS-6-EVMS_LOGGING_NO_SPACE: logflash full, so deleting first event archive file
Explanation As the logflash is full, first of the present event archive files is deleted
Recommended Action No action is required.

EXAMPLE_TEST Messages

This section contains the EXAMPLE_TEST messages.
EXAMPLE_TEST-5

Message  EXAMPLE_TEST-5-EXAMPLE_TEST_DISABLED: EXAMPLE_TEST Disabled
Explanation  EXAMPLE_TEST Service Disabled
Recommended Action  No action is required.

Message  EXAMPLE_TEST-5-EXAMPLE_TEST_ENABLED: EXAMPLE_TEST Enabled
Explanation  EXAMPLE_TEST Service enabled
Recommended Action  No action is required.

EXCEPTIONLOG Messages

This section contains the EXCEPTIONLOG messages.

EXCEPTIONLOG-SLOT#-2

Message  EXCEPTIONLOG-SLOT#-2-LC_EXP_MSG: Linecard exception: [chars] is the affected Port bit map. [dec] Additional information - [chars]
Explanation  LC Exception event.
Recommended Action  No action is required.

EX_SYSLOG Messages

This section contains the EX_SYSLOG messages.

EX_SYSLOG-0

Message  EX_SYSLOG-0-EMER_MSG: Emergency Message - [dec]
Explanation  A Dummy emergency message to test syslogd from ex_syslog. [dec] is the message count
Recommended Action  No action is required.
**EX_SYSLOG-1**

**Message** EX_SYSLOG-1-ALERT_MSG: Alert Message - [chars] [dec]

**Explanation** A Dummy alert message to test syslogd from ex_syslog. [chars] is the a dummy text. [dec] is the message count

**Recommended Action** No action is required.

**EX_SYSLOG-2**

**Message** EX_SYSLOG-2-CRIT_MSG: Critical Message - [dec]

**Explanation** A Dummy critical message to test syslogd from ex_syslog. [dec] is the message count

**Recommended Action** No action is required.

**EX_SYSLOG-3**

**Message** EX_SYSLOG-3-ERR_MSG: Message - [dec]

**Explanation** A Dummy Message to test syslogd from ex_syslog. [dec] is the message count

**Recommended Action** No action is required.

**EX_SYSLOG-4**

**Message** EX_SYSLOG-4-WARNING_MSG: Warning Message - [dec]

**Explanation** A Dummy warning message to test syslogd from ex_syslog. [dec] is the message count

**Recommended Action** No action is required.

**EX_SYSLOG-5**

**Message** EX_SYSLOG-5-NOTICE_MSG: Notice Message - [dec]

**Explanation** A Dummy notice message to test syslogd from ex_syslog. [dec] is the message count

**Recommended Action** No action is required.
**EX_SYSLOG-6**

**Message**  EX_SYSLOG-6-INFO_MSG: Info Message - [dec]

**Explanation**  A Dummy info message to test syslogd from ex_syslog. [dec] is the message count

**Recommended Action**  No action is required.

**EX_SYSLOG-7**

**Message**  EX_SYSLOG-7-DEBUG_MSG: Debug Message - [dec]

**Explanation**  A Dummy debug message to test syslogd from ex_syslog. [dec] is the message count

**Recommended Action**  No action is required.
F to L

This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

F16_CMN_USD Messages

This section contains the F16_CMN_USD messages.

F16_CMN_USD-6

Message  F16_CMN_USD-6-F16_CMN_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

F16_FWD_USD Messages

This section contains the F16_FWD_USD messages.

F16_FWD_USD-6

Message  F16_FWD_USD-6-F16_FWD_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

F16_MAC_USD Messages

This section contains the F16_MAC_USD messages.
F16_MAC_USD-3

Message  F16_MAC_USD-3-F16_MAC_ERR_MSG: [chars]
Explanation  Error log message
Recommended Action  No action is required.

F16_MAC_USD-6

Message  F16_MAC_USD-6-F16_MAC_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

F16_QUE_USD Messages

This section contains the F16_QUE_USD messages.

F16_QUE_USD-6

Message  F16_QUE_USD-6-F16_QUE_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

F16_XBAR_USD Messages

This section contains the F16_XBAR_USD messages.

F16_XBAR_USD-6

Message  F16_XBAR_USD-6-F16_XBAR_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.
FABRICPATH Messages

FABRICPATH-2

Message  FABRICPATH-2-FABRICPATH_LINK_BRINGUP_STALLED_STATIC: Link bringup stalled due to conflicts

Explanation  Interface is disabled due to conflicts

Recommended Action  No action is required.

FABRICPATH-4

Message  FABRICPATH-4-FABRICPATH_ES_REMOTE_CONFLICT: Remote ES Switch-id collides with local/remote switch-id in database

Explanation  Conflict between Remote ES switch-id and non ES switch-id in database

Recommended Action  No action is required.

Message  FABRICPATH-4-FABRICPATH_INVALID_FTAG: Invalid ftag [dec] received

Explanation  Invalid ftag is received from remote

Recommended Action  No action is required.

Message  FABRICPATH-4-FABRICPATH_INVALID_SWITCH_ID: Invalid switch-id [dec] received

Explanation  Invalid switch-id is received from remote

Recommended Action  No action is required.
Message  FABRICPATH-4-FABRICPATH_LOCAL_SWID_UNKNOWN: Local Switch-id is not known to Resource Allocation manager

Explanation  Resource Allocation Manager was not able to recover the local switch-id

Message  No action is required.

FABRICPATH-6

Message  FABRICPATH-6-FABRICPATH_LINK_BRINGUP_RESOLVE_COLLISION: Resolving Collision for switch-id [dec]

Explanation  Resolving Collision for switch-id

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED_CLEARED: LINK bringup cleared for [chars] after collision resolution

Explanation  Link bringup temporarily suspended due to conflicts

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED: LINK bringup suspended for [chars] due to conflicts

Explanation  Link bringup temporarily suspended due to conflicts

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_NEW_ES_SWITCH_ID: New Emulated switch-id [chars] received

Explanation  New Emulated switch-id received

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_NEW_SWITCH_ID: New switch-id [chars] received

Explanation  New switch-id received

Recommended Action  No action is required.
Message  FABRICPATH-6-FABRICPATH_SWID_CHANGED: Switch-id [dec] is assigned with [chars] state

Explanation  Local switch-id is changed

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_SWID_CONFLICTS: Switch-id [dec] is in conflict with device [chars]

Explanation  Local switch-id collision with other device

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_SWID_PRI_SEC_CHANGED: Switch-id [dec] is changed to [chars]

Explanation  Local switch-id status changed

Recommended Action  No action is required.

Message  FABRICPATH-6-FABRICPATH_SWID_STATE_CHANGED: Switch-id [dec] status changed to [chars]

Explanation  Local switch-id status changed

Recommended Action  No action is required.

FALCON Messages

This section contains the FALCON messages.

FALCON-SLOT#-2

Message  FALCON-SLOT#-2-FALCON_EXITED: Falcon exited (syserr = [dec], errno = [dec])

Explanation  Falcon exited

Recommended Action  No action is required.

FC-REDIRECT Messages

This section contains the FC-REDIRECT messages.
FC-REDIRECT-2

**Message**  
FC-REDIRECT-2-ACL_ERR_ADD_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation**  
FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action**  
No action is required.

**Message**  
FC-REDIRECT-2-ACL_ERR_FLOGI_NOT_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation**  
FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action**  
No action is required.

**Message**  
FC-REDIRECT-2-ACL_ERR_NEW_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation**  
FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action**  
No action is required.

**Message**  
FC-REDIRECT-2-ACL_ERR_TRUNK_PORT_UP: Unable to program trunk port I/F [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation**  
FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action**  
No action is required.

**Message**  
FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION1_V1: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

**Explanation**  
FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

**Recommended Action**  
No action is required.

**Message**  
FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION2_V1: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

**Explanation**  
FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

**Recommended Action**  
No action is required.
Message  FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION2_V2: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected.

Explanation  FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-ACL_ERR_UPG_MODULE_REGION3: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

Explanation  FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-ACL_MAX_REACHED_ADD_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because of insufficient TCAM resources on Module [dec]

Explanation  FC-Redirect is unable to program ACL entries. The possible cause can be more than the allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-ACL_MAX_REACHED_FLOGI_NOT_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied as Maximum Allowable Configuration Reached on Module [dec]

Explanation  FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch or more ISL are co-located on a single line card or more than normal Host(s) are zoned with the Storage Port.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-ACL_MAX_REACHED_NEW_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because of insufficient TCAM Resources on Module [dec]

Explanation  FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port.

Recommended Action  No action is required.
Message: FC-REDIRECT-2-ACL_MAX_REACHED_TRUNK_PORT_UP: Maximum Allowable Configuration Reached, Unable to program trunk port I/F [chars] on Module [dec]

Explanation: FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port

Recommended Action: No action is required.

Message: FC-REDIRECT-2-ACL_TIMEOUT_ADD_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because ACL module timed out on Module [dec]

Explanation: FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

Recommended Action: No action is required.

Message: FC-REDIRECT-2-ACL_TIMEOUT_FLOGI_NOT_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied because ACL module timed out on Module [dec]

Explanation: FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

Recommended Action: No action is required.


Explanation: FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

Recommended Action: No action is required.

Message: FC-REDIRECT-2-ACL_TIMEOUT_TRUNK_PORT_UP: Unable to program trunk port I/F [chars] because ACL module timed out on Module [dec]

Explanation: FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

Recommended Action: No action is required.
Message  FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL_ACTIVE_CONFIG: FC-Redirect Active Config Exists. Hitful Downgrade Rejected

Explanation  FC-Redirect Downgrade to versions 3.2 and lower is not supported, if Active Configuration Exist. Hitful Downgrade for the module is rejected. Please use show fc-redirect configs command and remove appropriate configuration from the applications.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL_PASSIVE_CONFIG: FC-Redirect Configs Exist. Hitful Downgrade Rejected

Explanation  FC-Redirect Downgrade to versions 3.2 and lower is not supported, if Configuration Exist on this switch. Hitful Downgrade for the module is rejected. Before doing a HITFUL downgrade to any version lower than 3.2.1, Please use clear fc-redirect decommission-switch.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL_V2_CONFIG: FC-Redirect V2 Configs Exist. Hitful Downgrade Rejected

Explanation  FC-Redirect Downgrade to versions 3.3.1 and lower is not supported, if Version-2 Configuration Exist. Hitfull Downgrade for the module is rejected.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-FC_REDIRECT_SYSMGR_INSTALL_FAIL: Hitful Downgrade Rejected. Reason: [chars]

Explanation  FC-Redirect Downgrade to NXOS 4.x or lower is not allowed if the following is true: 1) IVR support is enabled IVR is enabled locally or if FCR app has crested some configurations on local switch 2) FCR has some configuration for local FPC devices Hitful Downgrade for the module is rejected.

Recommended Action  No action is required.

Message  FC-REDIRECT-2-FLOGI_REJECTED_DEV_ONLINE_WITH_DIFFERENT_FCID: Vsan: [dec], Interface: [chars] on Module [dec], Device PWWN: [chars], Existing fcid: [hex], New_fcid: [hex]

Explanation  FC-Redirect Rejected FLOGI request as it already has the PWWN with a different FCID in its database.

Recommended Action  No action is required.
Message  FC-REDIRECT-2-FLOGI_REJECTED_FCR_IVR_FLOW_LC1_USED: [chars] [chars],
Vsan: [dec], Interface: [chars] on Module [dec], fcr_cfg_vsan: [dec],
other_dev_in_flow: [chars] [chars]

Explanation FC-Redirect Rejected FLOGI request as the port is on a Gen-1 Line Card and is part of
IVR flow with FC-Redirect configuration in vsan fcr_cfg_vsan.'

Recommended Action No action is required.

Message  FC-REDIRECT-2-INCOMPATIBLE_SWITCH_IN_FABRIC: An Incompatible Switch
[chars] added to fabric when FC-Redirect is configured in Version 2 Mode.

Explanation FC-Redirect is Configured in Version 2 Mode. A switch with FC-Redirect version 3.2.x
in the fabric is NOT supported in this mode. FC-Redirect has locked the Fabric. No more
FC-Redirect configuration changes would be allowed till this switch is disconnected.

Recommended Action No action is required.

Message  FC-REDIRECT-2-IVR_DEV_UP_REJECTED_DEV_ONLINE_WITH_DIFFERENT_FCID: Vsan:
[dec], Device PWWN: [chars], Existing fcid: [hex], New_fcid: [hex]

Explanation FC-Redirect Rejected Device UP request from IVR as it already has the pwwn with a
different FCID in its database.

Recommended Action No action is required.

Message  FC-REDIRECT-2-IVR_SUPPORT_ENABLE_REJECTED_IVR_FCR_CFG_ALREADY_EXISTS:
Req Src: [chars]

Explanation FC-Redirect service rejected a request to enable support for IVR flows as it received an
error when registering with AAM module. FCR config for IVR virtual devices already exists though
IVR support is not enabled. This is not supported. Please remove the appropriate FCR application
config and retry again.

Recommended Action No action is required.

Message  FC-REDIRECT-2-IVR_SUPPORT_ENABLE_REJECTED: Req Src: [chars], Error Code:
[hex] ([chars])

Explanation FC-Redirect service rejected a request to enable support for IVR flows as it received an
error when registering with AAM module.

Recommended Action No action is required.

Message  FC-REDIRECT-2-PCMAP_ERR_TRUNK_PORT_UP: PORT_UP request for first member of
Port-channel [chars] Failed due to PCMAP Error seen by FC-Redirect'

Explanation FC-Redirect encountered a PCMAP Error (Internal Error) when processing PORT_UP
request for the first member in port channel. The PORT_UP request was rejected.

Recommended Action No action is required.
Message FC-REDIRECT-2-TGT_NOT_ATTACHED_TO_FCR_SWITCH: FC-Redirect Configuration
vsan: [dec], Tgt: [chars] VT: [chars] - Tgt is online, but not connected to a switch running FC-Redirect.

Explanation FC-Redirect requires that targets must be connected to a switch running FC-Redirect. Please Check Config.

Recommended Action No action is required.

Message FC-REDIRECT-2-TRUNK_PORT_UP_REJ_FCR_IVR_FLOW_LC1_USED: Vsan: [dec],
trunk port I/F [chars] on Module [dec], dev: [chars], dev_type: [chars], dev_vsan: [dec]

Explanation FC-Redirect Rejected Port Bringup request as the port is on a Gen-1 Line Card and the Vsan is used by FC-Redirect/IVR flow FC-Redirect does NOT support Gen-1 Line Cards for IVR virtual devices with FC-Redirect Configuration.

Recommended Action No action is required.

Message FC-REDIRECT-2-V2_ENABLE_CFG_chg_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to change all configurations to Version 2 Mode.

Explanation FC-Redirect did not receive a response from Error_Switch for a CFS broadcast to update all configurations to Version2 mode. Attempt to configure Version2 mode Failed. All FC-Redirect switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: fc-redirect version2 enable.

Recommended Action No action is required.

Message FC-REDIRECT-2-V2_ENABLE_UNLOCK_V1_TO_V2_DONE_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations after configuring Version 2 Mode.

Explanation FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to unlock FC-Redirect configurations after converting them to Version 2 mode. Attempt to configure Version 2 mode Failed. All FC-Redirect switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirectversion2enable'

Recommended Action No action is required.

Message FC-REDIRECT-2-V2_ENABLE_UNLOCK_V2_TO_V1_DONE_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations after disabling Version 2 Mode.

Explanation FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to unlock FC-Redirect configurations after disabling Version 2 mode. Attempt to disable Version 2 mode Failed. All FC-Redirects switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: 'no fc-redirectversion2enable'

Recommended Action No action is required.
FC-REDIRECT-3

**Message**  FC-REDIRECT-3-CFG_REQ_REJECTED_APPL_SW_LOWER_VER: vsan: [dec], Tgt: [chars], VT: [chars], Appl_Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr_dev: [chars], req_type: [chars], appl_sw_ver: [dec]

**Explanation**  FC-Redirect rejected configuration request for IVR Virtual device as the application switch has NXOS lower than 5.x. FC-Redirect requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command) 3) All IVR enabled switches and FC-Redirect application switches must be running NXOS version 5.x or higher.

**Recommended Action**  No action is required.

**Message**  FC-REDIRECT-3-CFG_REQ_REJECTED_IVR_AAM_NOT_REGISTERED: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr_dev: [chars], req_type: [chars]

**Explanation**  FC-Redirect rejected configuration request for IVR Virtual device as IVR-Support is disabled. FC-Redirected requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command)

**Recommended Action**  No action is required.

**Message**  FC-REDIRECT-3-CFG_REQ_REJECTED_IVR_SUPPORT_DISABLED: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr_dev: [chars], req_type: [chars]

**Explanation**  FC-Redirect rejected configuration request for IVR Virtual device as IVR-Support is disabled. FC-Redirected requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command) 3) All IVR enabled switches and FC-Redirect application switches must be running NXOS version 5.x or higher.

**Recommended Action**  No action is required.

**Message**  FC-REDIRECT-3-CFS_PRE_CHK_FCR_ERR: Pre-chk request Rejected by FC-Redirect on Peer Switch: Err Sw: [chars], status: [dec] ([chars])

**Explanation**  The Pre-Check message is currently used when enabling/disabling Version 2 or ivr-support in fc-redirect. An appropriate sys err would be generated for the purpose.

**Recommended Action**  No action is required.
Message  FC-REDIRECT-3-CFS_PRE_CHK_SW_ERR: FC-Redirect did not recv. rsp from Peer switch. Error Switch: [chars], CFS rc: [dec], rsp size: [dec]

Explanation The pre-check message is currently used when enabling/disabling Version 2 or ivr-support in fc-redirect. An appropriate sys err would be generated for the purpose.

Recommended Action No action is required.

Message  FC-REDIRECT-3-CFS_REQ_SEND_ERR: req_type: [dec], req_size = [dec], Error = [dec] ([chars])

Explanation FC-Redirect Failed to send CFS request.

Recommended Action No action is required.

Message  FC-REDIRECT-3-CFS_RSP_SEND_ERR: req_type: [dec], rrtoken = [dec], rsp_size = [dec], error = [dec] ([chars])

Explanation FC-Redirect Failed to send CFS response.

Recommended Action No action is required.

Message  FC-REDIRECT-3-CFS_SEND_REGISTER_ERR: syserr: [hex] ([chars])

Explanation FC-Redirect Failed to send register request to CFS.

Recommended Action No action is required.

Message  FC-REDIRECT-3-DELETE_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service [chars], Error_Switch: [chars]

Explanation FC-Redirect on 'switch Error_Switch' rejected delete_config broadcast. Ignore this error if this was caused by 'test fc-redirect config sync-with-fabric' command. If not, FC-Redirect configuration is out of sync across the fabric. Please force 'Error_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command

Recommended Action No action is required.

Message  FC-REDIRECT-3-DELETE_CFG_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation FC-Redirect on 'switch Error_Switch' rejected delete_config broadcast. Ignore this error if this was caused by 'test fc-redirect config sync-with-fabric' command. If not, FC-Redirect configuration is out of sync across the fabric. Please force 'Error_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action No action is required.
Message  FC-REDIRECT-3-DELETE_CFG_CFS_SW_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], CFS error code = [dec]

Explanation  FC-Redirect did not receive a response from 'Error_Switch' for delete_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-FAILOVER_CFG_PRE_CHK_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error_Switch: [chars]

Explanation  FC-Redirect on switch Error_Switch 'rejected Config PRE_CHECK broadcast for new_config as it is in' Error' state. Create Fail over Config request from the application was rejected. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using' test fc-redirect config sync-with-fabric' command.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-FAILOVER_CFG_PRE_CHK_CFS_FCR_ERR: Tgt: [chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation  FC-Redirect on switch Error_Switch' rejected Config pre-check broadcast for Create Config. Create Failover_Config request from application was rejected.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-FAILOVER_CFG_PRE_CHK_CFS_SW_ERR: Tgt: [chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error_Switch: [chars], CFS error code = [dec]

Explanation  FC-Redirect on switch Error_Switch' rejected Config pre-check broadcast for Create Config. Create Failover_Config request from application was rejected.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-FC_REDIRECT_CFG_REJECTED_DEFAULT_ZONE_ENTRY_PERMIT: CFG Rejected: Application: [chars], Target: [chars], vsan: [dec]

Explanation  FC-Redirect rejected configuration request from the Application as default zone entry for the VSAN is configured as PERMIT. FC-Redirect requires that the default zone entry be DENY for all VSANs with FC-Redirect configuration. FC-Redirect will reject all further FC-Redirect configurations in this vsan till default zone entry is set to DENY. Please set default zone entry to DENY.

Recommended Action  No action is required.
Message FC-REDIRECT-3-FC_REDIRECT_CFS_NEW_CFG_REJECTED_ZONE_DEFAULT_ENTRY_PERMIT: Default Zone Entry is permit in vsan [dec]. New CFG from switch [chars] rejected. App: [chars], tgt: [chars], vt: [chars].

Explanation FC-Redirect requires the default zone entry be configured as DENY for vsans with devices that have FC-Redirect configurations. But the specified vsan has default entry permit. FC-Redirect rejected new cfg request from app' on the specified switch. Please change the Default zone entry to DENY for the vsan.

Recommended Action No action is required.

Message FC-REDIRECT-3-FC_REDIRECT_FC2_UNEXPECTED_FRAME_FRM_AAM: Unexpected FC2 Frame received by FC-Redirect SID: [hex], DID: [hex], VSAN: [dec], IFindex: [chars]

Explanation FC-Redirect received a FC2 frame for some unknown WWN, which it is not expecting. FC-Redirect cannot handle this frame and hence dropping it. This is an internal AAM Error and should not have been forwarded to Fc-Redirect.

Recommended Action No action is required.

Message FC-REDIRECT-3-FC_REDIRECT_REJECT_IVR_VIRT_DEV_BRINGUP_FCR_VIRT_DEV: Vsan: [dec], IVR Virtual Device: [chars], FCR Virtual Dev Type: [chars].

Explanation IVR is trying to bring up a Virtual device whose PWWN is same as FC-Redirect Virtual Device. This is a mis-configuration.

Recommended Action No action is required.

Message FC-REDIRECT-3-FC_REDIRECT_REJECT_IVR_VIRT_DEV_BRINGUP_IVR_SUPPORT_DISABLED: Vsan: [dec], IVR Virtual Device: [chars].

Explanation IVR is trying to bring up a Virtual device. FC-Redirect already has a configuration for that device - But FC-Redirect IVR-Support is currently disabled. This is a mis-Configuration. FC-Redirect IVR-Support must be enabled before configuring FC-Redirect based applications to use IVR Virtual devices. FC-Redirect rejected IVR device bring-up. Please delete the relevant application configuration before proceeding further.

Recommended Action No action is required.

Message FC-REDIRECT-3-FC_REDIRECT_REJECT_IVR_VIRT_DEV_BRINGUP_SANITY_ERR: Vsan: [dec], IVR Virtual Device: [chars], Action: [dec].

Explanation IVR is trying to bring up a Virtual device - But the Message has some Sanity Errors. FC-Redirect failed IVR Device Bringup.

Recommended Action No action is required.
Message  FC-REDIRECT-3-FC_REDIRECT_ZONE_DEFAULT_ENTRY_PERMIT: Default zone entry set to PERMIT in vsan [dec]. This vsan has FC-Redirect configs. FC-redirect requires Default Zone be DENY. All further FC-Redirect configuration requests in this vsan will be rejected till default zone entry is configured as DENY.

Explanation  FC-Redirect requires the default zone entry be configured as DENY for VSANs with devices that have FC-Redirect configurations. But the specified vsan has default zone entry configured as permit. FC-Redirect will reject all further FC-Redirect configuration in this vsan till default entry is configured as DENY. Please set default zone entry to DENY.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-GCD_CFS_SW_ERR: CFS Error. Error_Switch: [chars], VT: [chars], CFS swresp_reason_code: [chars][[dec]], swresp_size: [dec], cfs_sanity_error_code: [dec], attempt: [dec]/[dec]

Explanation  CFS failure. FC-Redirect moved peer to Error state

Recommended Action  No action is required.

Message  FC-REDIRECT-3-GCS_CFS_SW_ERR: CFS Error. Error_Switch: [chars], CFS swresp_reason_code: [chars][[dec]], swresp_size: [dec], cfs_sanity_error_code: [dec], attempt: [dec]/[dec]

Explanation  CFS failure. FC-Redirect moved peer to Error state

Recommended Action  No action is required.

Message  FC-REDIRECT-3-INTERNAL_ERROR: [chars]

Explanation  FC-Redirect Encountered an Internal Error.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJECTED_PEER_SW_ERR_STATE: Failed to Disable IVR Support - Error_Switch: [chars], peer_in_err_state: [chars]

Explanation  The command ‘no fc-redirect ivr-support enable’ Failed. FC-Redirections with ‘Error_Switch’ rejected pre-check for IVR Support Disable request as it has one of its peer switches ‘peer_in_err_state’ in Error state. Please resolve the conflict that caused the error state and force ‘error-switch’ to sync with the fabric again using ‘test fc-redirect config sync-with-fabric’ command.

Recommended Action  No action is required.
Message  FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJ_PEER_WITH_CFG_FOR_IVR_VIRT_DEV: 
Failed to Disable IVR Support - Error_Switch: [chars]

Explanation  The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error_Switch' rejected pre-check for IVR Support Disable request as it has FC-Redirect configuration for IVR Virtual Devices. Please remove the concerned application configuration and retry the command

Recommended Action  No action is required.

Message  FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJ_PRECHK_CFS_FCR_ERR: Failed to Disable IVR Support - Error_Switch: [chars]

Explanation  The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error_Switch' rejected the pre-check request.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-IVR_SUPPORT_DISABLE_REJ_PRECHK_CFS_SW_ERR: Failed to Disable IVR Support - Error_Switch: [chars]

Explanation  The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error_Switch' did not respond to pre-check for IVR Support Disable request.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-IVR_VIRT_DEV_BRINGUP_REJECTED_LC1_ACTIVE: Curr_Vsan: [dec], IVR Virtual Device: [chars], vsan_with_gen1_ISL: [dec]

Explanation  IVR is trying to bring up a Virtual device in Curr_Vsan for which FC-Redirect configuration exists on this switch. This is a mis-configuration. FC-Redirect does NOT support ports (FX or ISLs) on Gen-1Cards if there is configuration for IVR Virtual Devices. Please shut down the gen-1ports involved in FCR-IVR flows and retry again.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-MODIFY_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service [chars], Error_Switch: [chars]

Explanation  FC-Redirect on switch Error_Switch' rejected modify_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force' Error_Switch' to sync with the fabric again using' test fc-redirect config sync-with-fabric' command.

Recommended Action  No action is required.
Message  FC-REDIRECT-3-MODIFY_CFG_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation  FC-Redirect on switch 'Error_Switch' rejected modify_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-MODIFY_CFG_CFS_SW_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], CFS error code = [dec]

Explanation  FC-Redirect did not receive a response from Error_Switch' for modify_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-MTS_RSP_SEND_ERR: MTS Opcode: [dec], rrtoken = [dec], rsp_size = [dec], errno = [dec] ([chars])

Explanation  FC-Redirect Failed to send MTS response.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-NEW_CFG_CFS_FCR_ERR_PEER_IN_ERR_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars]

Explanation  FC-Redirect on switch Error_Switch' rejected new_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-NEW_CFG_CFS_FCR_ERR: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec] ([chars])

Explanation  FC-Redirect on switch Error_Switch' rejected new_config broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action  No action is required.
Message FC-REDIRECT-3-NEW_CFG/videos: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], CFS error code = [dec]

Explanation FC-Redirect did not receive a response from Error_Switch for new_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

Recommended Action No action is required.

Message FC-REDIRECT-3-NEW_CFG_PRE_CHK/videos: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars]

Explanation FC-Redirect on switch Error_Switch rejected Config PRE_CHECK broadcast for new_config as it is in 'Error' state. NEW_CONFIG request from the application was rejected. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action No action is required.

Message FC-REDIRECT-3-NEW_CFG_PRE_CHK/videos: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], FCR CFS error code = [dec]

Explanation FC-Redirect on switch Error_Switch rejected Config pre-check broadcast for Create_Config. Create_config request from application was rejected.

Recommended Action No action is required.

Message FC-REDIRECT-3-NEW_CFG/videos: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error_Switch: [chars], CFS error code = [dec]

Explanation FC-Redirect did not receive a response from Error_Switch for Config pre-check CFS broadcast for new config. Create Config request was rejected.

Recommended Action No action is required.

Message FC-REDIRECT-3-REPLACE_VT_CFG/videos: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error_Switch: [chars]

Explanation FC-Redirect on switch 'Error_Switch' rejected replace vt request as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force 'Error_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

Recommended Action No action is required.
Message  FC-REDIRECT-3-UNKNOWN_CFS_REQ_ERR: CFS req_type: [dec], Error_Switch: [chars]

Explanation  FC-Redirect on switch Error_Switch' rejected CFS Request of type 'req_type'.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-V2_ENABLE_ERR_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to abort fc-redirectversion2enable'command.'

Explanation  FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to abort 'fc-redirect version 2 enable' command. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action  No action is required.

Message  FC-REDIRECT-3-V2_ENABLE_LOCK_CFS_SW_ERR: Error_Switch: [chars] did not respond to lock FC-Redirect configurations.

Explanation  FC-Redirect did not receive a response from Error_Switch' for CHG_MODE_LOCKCFS broadcast. Attempt to configure Version 2 mode Failed.

Recommended Action  No action is required.

Message  FC-REDIRECT-3-V2_ENABLE_PRECHK_CFS_SW_ERR: Error_Switch: [chars] did not respond to pre-check request for fc-redirect version 2 enable' command.'

Explanation  FC-Redirect did not receive a response from Error_Switch' for a CFS broadcast to check if 'fc-redirect version 2 enable' command can be executed. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action  No action is required.

Message  FC-REDIRECT-3-V2_ENABLE_UNLOCK_V1_TO_V2_ABORT_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations.

Explanation  FC-Redirect did not receive a response from Error_Switch 'for a CFS broadcast to unlock FC-Redirect configurations when aborting the attempt to configure Version 2 Mode. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action  No action is required.
Message  FC-REDIRECT-3-V2_ENABLE_UNLOCK_V2_TO_V1_ABORT_CFS_SW_ERR: Error_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations

Explanation  FC-Redirect did not receive a response from Error_Switch for a CFS broadcast to unlock FC-Redirect configurations when aborting the attempt to configure Version 2 Mode. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

Recommended Action  No action is required.

FC-REDIRECT-5


Explanation  Redirect Service requested for the Host / Tgt Pair

Recommended Action  No action is required.

Message  FC-REDIRECT-5-DECOMMISSIONED_SWITCH: FC-Redirect Decommissioned [chars] on Local Switch

Explanation  FC-Redirect Service has been decommissioned on this Switch.

Recommended Action  No action is required.


Explanation  Redirect Service removed for the Host / Tgt Pair

Recommended Action  No action is required.


Explanation  Application has requested this deletion

Recommended Action  No action is required.
Message  FC-REDIRECT-5-DEL_VT_CLI_CLEAR_CFG: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

Explanation  FC Redirect Configuration deleted because of the cli command clear fc-redirect config vt<vt-pwwn

Recommended Action  No action is required.

Message  FC-REDIRECT-5-DEL_VT_DECOM_SW: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

Explanation  FC Redirect Configuration deleted because FC Redirect on this switch was decommissioned

Recommended Action  No action is required.

Message  FC-REDIRECT-5-DEL_VT_LOCAL_CFG_REQ_FROM_PEER: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch: [chars], Slot: [dec], Peer Switch:[chars].

Explanation  FC Redirect Configuration deleted because of request from peer.

Recommended Action  No action is required.

Message  FC-REDIRECT-5-DEL_VT_PENDING_DEL: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch: [chars], Slot: [dec], Peer Switch: [chars].

Explanation  Peer_Switch had deleted the configuration when it lost connectivity with this switch. Configuration on this switch is now deleted when connection was restored and FC Redirect synced with the Peer_Switch.

Recommended Action  No action is required.

Message  FC-REDIRECT-5-DEL_VT_REMOTE_CFG_REQ: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

Explanation  FC Redirect Configuration created by a peer deleted because of local application request.

Recommended Action  No action is required.
**Message**  FC-REDIRECT-5-DEL_VT_SYNC_UP_WITH_PEER: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

**Explanation**  FC Redirect Configuration deleted as the peer switch that created the configuration has deleted it. This happened when FC Redirect synced with the peer switch.

**Recommended Action**  No action is required.


**Explanation**  Application has not become online within configured timeout value

**Recommended Action**  No action is required.


**Explanation**  Required Vsan for this configuration deleted in this switch

**Recommended Action**  No action is required.

**Message**  FC-REDIRECT-5-INFO: [chars]

**Explanation**  FC-Redirect informational message.

**Recommended Action**  No action is required.

**Message**  FC-REDIRECT-5-IVR_SUPPORT_DISABLED: IVR Support Disabled in FC_Redirect. Source: [chars]

**Explanation**  Admin has Disabled FC_Redir ect support for IVR flows.

**Recommended Action**  No action is required.

**Message**  FC-REDIRECT-5-IVR_SUPPORT_DISABLE_REJECTED: Req Src: [chars], Reason: [chars]

**Explanation**  FC-Redirect service rejected a request to disable support for IVR flows

**Recommended Action**  No action is required.
Message  FC-REDIRECT-5-IVR_SUPPORT_ENABLED: IVR Support Enabled in FC_Redirect.
Source: [chars]

Explanation  Admin has enabled FC_Redirect support for IVR flows.

Recommended Action  No action is required.

Message  FC-REDIRECT-5-REPLACE_VT_APPL_REQ: FC Redirect delete configuration request: vsan: [dec], Tgt: [chars], VT: [chars], Created by Switch: [chars], Slot: [dec], for Service: [chars] requested by app on switch [chars].

Explanation  FC Redirect has received a request from local Application to delete a config created by a remote switch.

Recommended Action  No action is required.

Message  FC-REDIRECT-5-SYNC_WITH_FABRIC_BY_APP: FC-Redirect started Syncing with peers in Fabric because of request by Service [chars]

Explanation  A local Service request FC-Redirect to sync FC-Redirect Configuration with the peer switches.

Recommended Action  No action is required.

Message  FC-REDIRECT-5-SYNC_WITH_FABRIC_CLI_CMD: FC-Redirect started Syncing with peers in Fabric on CLI Command

Explanation  test fc-redirect 'config sync-with-fabric' command was issued on this switch.

Recommended Action  No action is required.

Message  FC-REDIRECT-5-SYNC_WITH_FABRIC_REQ_FROM_PEER: FC-Redirect started Syncing with peers in Fabric because of request from peer Switch [chars]

Explanation  FC-Redirect on Peer switch requested FC-Redirect to sync FC-Redirect Configuration with peer switches.

Recommended Action  No action is required.


Explanation  Configuration created because of Application Request

Recommended Action  No action is required.

Explanation Configuration created after Power-Up

Recommended Action No action is required.


Explanation Configuration created after Process Restart

Recommended Action No action is required.


Explanation Configuration created after SUP Switchover

Recommended Action No action is required.

FC-TUNNEL Messages

This section contains the FC-TUNNEL messages.

FC-TUNNEL-3

Message FC-TUNNEL-3-INTERNAL_ERROR: Internal error: [chars]

Explanation FCMPLS tunnel process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.

Message FC-TUNNEL-3-IPFC_ERROR: IPFC API, [chars], failed with error [hex]

Explanation FCMPLS tunnel invoked IPFC API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.
Message FC-TUNNEL-3-MTS_ERROR: MTS message transmission failed with error [dec]

Explanation FCMPLS tunnel process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec]

Recommended Action No action is required.

Message FC-TUNNEL-3-NS_ERROR: FCNS API, [chars], failed with error [hex]

Explanation FCMPLS tunnel invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Message FC-TUNNEL-3-PM_ERROR: Port Manager API, [chars], failed with error [hex]

Explanation FCMPLS tunnel invoked Port Manager API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Message FC-TUNNEL-3-PSS_CFG_RESTORE_ERROR: Configuration restoration for [chars] failed with error [hex]

Explanation FCMPLS tunnel read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system error code

Recommended Action No action is required.

Message FC-TUNNEL-3-PSS_ERROR: PSS operation [chars] returned error: [hex]

Explanation [chars] specifies the context where the failure occurred and 0x[hex] specifies the error

Recommended Action No action is required.

Message FC-TUNNEL-3-PSS_RTDB_RESTORE_ERROR: Runtime database restoration for [chars] failed with error [hex]

Explanation FCMPLS tunnel read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code

Recommended Action No action is required.
Message FC-TUNNEL-3-RIB_ERROR: RIB API, [chars], failed with error [hex]

Explanation FCMPLS tunnel invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action No action is required.

Message FC-TUNNEL-3-RSVP_PROTO_ERROR: RSVP protocol error: [chars]

Explanation RSVP-TE protocol error is encountered. [chars] describes the error and its context.

Recommended Action No action is required.

Message FC-TUNNEL-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received

Explanation FCMPLS tunnel process received unexpected MTS event. MTS opcode is specified in [dec].

Recommended Action No action is required.

**FC-TUNNEL-5**

Message FC-TUNNEL-5-MSG_INTERFACE_DOWN: Interface [chars] is down

Explanation The logical fc tunnel interface is down. This may be due to a reconfiguration on the fc tunnel, or issues on the underlying physical interface.

Recommended Action If this is not due to a known reconfiguration, you should verify connectivity at the physical port level, and then on the fc tunnel interface. Furthermore, verify the physical ports along the fc tunnel path operate in the TE mode.

Message FC-TUNNEL-5-MSG_INTERFACE_UP: Interface [chars] is up

Explanation The fc interface is up.

Recommended Action No action is required.

**FCC_LC Messages**

This section contains the FCC_LC messages.
FCC LC-2

Message  FCC_LC-2-ERROR_SENDING_HEART_BEAT: Error sending heart beat [dec]
Explanation  FCC LC has error sending heart beat
Recommended Action  No action is required.

Message  FCC_LC-2-EXITING: Exiting fcc_lc: [chars]
Explanation  FCC LC exiting
Recommended Action  No action is required.

Message  FCC_LC-2-HEART_BEAT_NOT_SENT: Heart beat not sent for [dec] millisecs
Explanation  FCC LC has not sent heart beat
Recommended Action  No action is required.

Message  FCC_LC-2-SHUTDOWN: Process shutting down: [chars]
Explanation  FCC LC Process is shutting down
Recommended Action  No action is required.

Message  FCC_LC-2-UNABLE_READ_DATA: Unable to read fcc data ([chars])
Explanation  FCC is unable to read and process relevant FCC data
Recommended Action  No action is required.

FCC LC-5

Message  FCC_LC-5-BAD_MSG: Received bad message: [chars]
Explanation  FCC LC has received a malformed/unrecognized message
Recommended Action  No action is required.

Message  FCC_LC-5-DISABLE: FCC LC has been disabled
Explanation  FCC LC has been disabled
Recommended Action  No action is required.
Message  FCC_LC-5-ENABLE: FCC_LC has been enabled

Explanation  FCC_LC has been enabled

Recommended Action  No action is required.

Message  FCC_LC-5-STARTING: FCC_LC process started

Explanation  Process started successfully

Recommended Action  No action is required.

FCC_LC-6

Message  FCC_LC-6-PRIO_UPDATE: Updated enable priority to [dec]

Explanation  FCC_LC is active for packets with priority <= [threshold]

Recommended Action  No action is required.

FCC Messages

This section contains the FCC messages.

FCC-2

Message  FCC-2-SHUTDOWN: Process shutting down: [chars]

Explanation  FCC Process is shutting down

Recommended Action  No action is required.

FCC-5

Message  FCC-5-BAD_MSG: Received bad message: [chars]

Explanation  FCC has received a malformed/unrecognized message

Recommended Action  No action is required.

Message  FCC-5-CONGESTION_STATE_CHANGE_NOTIF: Received Congestion State Change notification to state: [dec]

Explanation  FCC has received a Congestion State Change Notification

Recommended Action  No action is required.
Message  FCC-5-DISABLE: FCC has been disabled
Explanation  FCC has been disabled
Recommended Action  No action is required.

Message  FCC-5-ENABLE: FCC has been enabled
Explanation  FCC has been enabled
Recommended Action  No action is required.

Message  FCC-5-RATE_LIMIT_END_NOTIF: Received Rate Limit End notification
Explanation  FCC has received a Rate Limit End Notification
Recommended Action  No action is required.

Message  FCC-5-RATE_LIMIT_START_NOTIF: Received Rate Limit Start notification
Explanation  FCC has received a Rate Limit Start Notification
Recommended Action  No action is required.

Message  FCC-5-STARTING: FCC process started
Explanation  Process started successfully
Recommended Action  No action is required.

FCC-6

Message  FCC-6-PRI0_UPDATE: Updated enable priority to [dec]
Explanation  FCC is active for packets with priority <= [threshold]
Recommended Action  No action is required.

FCDDH Messages

This section contains the FCDDH messages.
FCDDH-SLOT#-3

Message  FCDDH-SLOT#-3-LOG_FCDDH_ERR: Nonrecoverable error - exiting: [chars]
Explanation  Errors which cause program to exit occurred
Recommended Action  No action is required.

FCDDH-SLOT#-4

Message  FCDDH-SLOT#-4-LOG_FCDDH_WARNING: Serious error: [chars]
Explanation  Serious errors which affect all normal operations occurred
Recommended Action  No action is required.

FCDDH-SLOT#-5

Message  FCDDH-SLOT#-5-LOG_FCDDH_DEBUG: Unexpected error: [chars]
Explanation  Unexpected errors which affect some normal operations occurred
Recommended Action  No action is required.

Message  FCDDH-SLOT#-5-LOG_FCDDH_NOTICE: [chars]
Explanation  Major configuration changes
Recommended Action  No action is required.

FCDD Messages

This section contains the FCDD messages.

FCDD-SLOT#-3

Message  FCDD-SLOT#-3-LOG_FCDD_ERR: Nonrecoverable error - exiting: [chars]
Explanation  Errors which cause program to exit occurred
Recommended Action  No action is required.
**FCDD-SLOT#-4**

**Message**  
FCDD-SLOT#-4-LOG_FCDD_WARNING: Warning!: [chars]

**Explanation**  
Serious errors which affect all normal operations occurred

**Recommended Action**  
No action is required.

**FCDD-SLOT#-5**

**Message**  
FCDD-SLOT#-5-LOG_FCDD_GCONF_FSM: [chars]

**Explanation**  
Illegal event received in Global Configuration FSM

**Recommended Action**  
No action is required.

**Message**  
FCDD-SLOT#-5-LOG_FCDD_NOTICE: [chars]

**Explanation**  
Major configuration changes

**Recommended Action**  
No action is required.

**Message**  
FCDD-SLOT#-5-LOG_FCDD_RESCAN_FSM: [chars]

**Explanation**  
Illegal event received in Rescan FSM

**Recommended Action**  
No action is required.

**Message**  
FCDD-SLOT#-5-LOG_FCDD_TZONE_FSM: [chars]

**Explanation**  
Illegal event received in Twilight Zone Remover FSM

**Recommended Action**  
No action is required.

**Message**  
FCDD-SLOT#-5-LOG_FCDD_VCONF_FSM: [chars]

**Explanation**  
Illegal event received in VSAN Configuration FSM

**Recommended Action**  
No action is required.

**Message**  
FCDD-SLOT#-5-LOG_FCDD_VNO_FSM: [chars]

**Explanation**  
Illegal event received in VSAN Normal Operation FSM

**Recommended Action**  
No action is required.
FCDD-SLOT#-7

Message  FCDD-SLOT#-7-LOG_FCDD_DEBUG: [chars]

Explanation  Unexpected errors which affect some normal operations occurred

Recommended Action  No action is required.

FCDOMAIN Messages

This section contains the FCDOMAIN messages.

FCDOMAIN-2

Message  FCDOMAIN-2-DOMS_CONFLICT: Conflict detected: ([dec]) domain ID [dec] WWN [chars]

Explanation  Conflict detected ([dec]) domain ID [dec] with WWN [chars].

Recommended Action  Check which switches have the same WWN and change either one; then change the other domain ID.

Message  FCDOMAIN-2-EPORT_ISOLATED: Isolation of interface [chars] (reason: [chars])

Explanation  Fcdomain has isolated interface [chars] (reason: [chars].) Perform a show interface. Based on the reason specified, you might have to ensure domains are adequate and unique in the VSAN and perform a disruptive restart [fcdomain restart disruptive vsan <vsan-id>] or to reinitialize the port.

Recommended Action  No action is required.

Message  FCDOMAIN-2-FC2BIND_FAILED: Bind to FC2 Service failed

Explanation  Fcdomain has not been able to contact the FC2 module.

Recommended Action  No action is required.

Message  FCDOMAIN-2-FC2_INITIALIZATION_FAILED: FC initialization sequence failed

Explanation  The fcdomain has not been able to complete the initialization sequence with the Fibre Channel subsystem. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action  No action is required.
Message  FCDOMAIN-2-FC2_SET_SOCKOPT_DM_SOCK_FAILED: set sockopt to FC2 Service failed

Explanation  Fcdomain has not been able to set sockopt to the FC2 module.

Recommended Action  No action is required.

Message  FCDOMAIN-2-FCID_PERSISTENT_TBL_COMPLETELY_FULL: FCID persistent table is completely full

Explanation  The FCID persistent table is full. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table. No more entries can be saved as persistent FCIDs across reboots.

Recommended Action  Purge stale entries [purge fcdomain fcid] to obtain more free entries OR disable the feature on certain VSANs which are not critical enough [no fcdomain fcid persistent].

Message  FCDOMAIN-2-HIGH_PRIORITY_MTSBIND_FAILED: Bind for high priority IPC failed

Explanation  Fcdomain has not been able to contact the Inter Process Communication (IPC) module for its high priority queue.

Recommended Action  No action is required.

Message  FCDOMAIN-2-INITIALIZATION_FAILED: Initialization sequence failed

Explanation  The fcdomain has not been able to complete the initialization sequence. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action  No action is required.

Message  FCDOMAIN-2-MTSBIND_FAILED: Bind to IPC failed

Explanation  Fcdomain has not been able to contact the Inter Process Communication (IPC) module.

Recommended Action  No action is required.

Message  FCDOMAIN-2-MTSREGISTRATION_FAILED: Registration of opcodes with IPC Service failed

Explanation  Fcdomain has not been able to register its messages with the Inter Process Communication (IPC) module.

Recommended Action  No action is required.
Message  FCDOMAIN-2-MTS_INITIALIZATION_FAILED: IPC initialization sequence failed

Explanation  The fcdomain has not been able to complete the initialization sequence with the IPC (Inter Process Communication) subsystem. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action  No action is required.

Message  FCDOMAIN-2-MY_NON_VIRTUAL_DOM_CONFLICTS: During VSAN merge detected that the local switch has the same domain ID [dec] and WWN [chars] of another switch

Explanation  It has been detected that the local switch has the same domain ID [dec] and WWN [chars] of another switch.

Recommended Action  Check which switches have the same WWN and change either one; then change the other domain ID.

Message  FCDOMAIN-2-NON_VIRTUAL_DOMS_CONFLICTS: During VSAN merge detected conflict between two switches having the same non-virtual domain ID [dec] and the same WWN [chars]

Explanation  It has been detected that two switches have the same non-virtual domain ID [dec] and the same WWN [chars].

Recommended Action  Check which switches have the same WWN and change either one; then change the other domain ID.

Message  FCDOMAIN-2-PSSBIND_FAILED: Bind to Persistent Storage Service failed

Explanation  Fcdomain has not been able to contact the Persistent Storage Service (PSS).

Recommended Action  No action is required.

Message  FCDOMAIN-2-RDIRJT: Rejected request for domain ID [dec], WWN request or [chars] (reason code [dec])

Explanation  An invalid request for domain IDs has been rejected by fcdomain.

Recommended Action  Perform [show fcdomain vsan <vsan-id>] for all the switches in the affected VSAN; if a switch does not have a valid current domain ID, configure preferred domain ID zero, then perform [fcdomain restart vsan <vsan-id>] in the affected VSAN.

Message  FCDOMAIN-2-SYSBIND_FAILED: Bind to System Manager service failed

Explanation  Fcdomain has not been able to contact the System Manager.

Recommended Action  No action is required.
Message  FCDOMAIN-2-SYSMGR_INITIALIZATION_FAILED: System Manager initialization sequence failed

Explanation  The fcdomain has not been able to complete the initialization sequence with the System Manager. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

Recommended Action  No action is required.

FCDOMAIN-3

Message  FCDOMAIN-3-COMMITERRORLOCALINVALIDALLOWEDDOMS: A remote switch attempted to locally apply an illicit allowed domains configuration

Explanation  A remote switch attempted to locally apply an allowed domains configuration that doesn’t include all currently assigned domains or the locally configured domain.

Recommended Action  No action is required.

Message  FCDOMAIN-3-COMMITERRORREMOTEINVALIDALLOWEDDOMS: A remote switch (domain ID [dec], WWN [chars]) refuses to locally apply the proposed allowed domains

Explanation  The remote switch with domain ID [dec] and WWN [chars] refuses to locally apply the proposed allowed domains probably due to incompatibility with its local configured domain or the domain ID list.

Recommended Action  Check the configuration on the remote switch, and make sure that the proposed allowed domains include it. Also, make sure that the proposed allowed domains include all the domains in the domain ID list.

Message  FCDOMAIN-3-MTSOPENTRX_FAILED: IPC failure (opening of a transaction failed)

Explanation  Fcdomain was not able to open a transaction (HA Purposes).

Recommended Action  No action is required.

Message  FCDOMAIN-3-MTSRECV_FAILED: IPC failure (receiving of a message failed)

Explanation  Fcdomain has not been able to receive a message from the Inter Process Communication (IPC) module.

Recommended Action  Please perform fcdomain restart in the affected VSAN (non disruptive).
**Message**  FCDOMAIN-3-MTSRESP_FAILED: IPC failure replying to a request message (error [hex])

**Explanation**  Fcdomain has not been able to reply to a request coming from the Inter Process Communication (IPC) module (error [hex]).

**Recommended Action**  Please perform fcdomain restart in the affected VSAN (non disruptive).

**Message**  FCDOMAIN-3-MTSSENDREQ_FAILED: IPC failure (sending of a request failed)

**Explanation**  Fcdomain was not able to send a request using the Inter Process Communication module.

**Recommended Action**  Please perform [fcdomain restart vsan <vsan-id>] in the affected VSAN (non disruptive.)

**Message**  FCDOMAIN-3-MTSSEND_FAILED: IPC failure (sending of a message (syserr [hex], opc [dec], mtsq [dec], sap.node [hex], sap_addr [dec]) failed)

**Explanation**  Fcdomain has not been able to send a message to the Message Transactional Service (MTS).

**Recommended Action**  Please perform [fcdomain restart vsan <vsan-id>] in the affected VSAN (non disruptive).

**Message**  FCDOMAIN-3-MTS_H_RECV_FAILED: IPC failure (receiving of a message failed)

**Explanation**  Fcdomain has not been able to receive a message from the Inter Process Communication (IPC) module.

**Recommended Action**  Please perform fcdomain restart in the affected VSAN (non disruptive.)

**Message**  FCDOMAIN-3-NVRAMFAILURE: NVRAM open failed

**Explanation**  Reading the last assigned runtime domain IDs from Non Volatile RAM (NVRAM) failed.

**Recommended Action**  Fcdomain is able to continue without access to the Non Volatile RAM (NVRAM.)

**Message**  FCDOMAIN-3-PORT_SUSPENDED: Response (Cmd Code [hex]) for SWILS [hex] intended for [chars] is received on [chars]

**Explanation**  An FC2 response frame (Command Code [hex]) for SWILS [hex] that was intended for interface [chars] has been received on [chars] instead.

**Recommended Action**  Check the configuration of both interfaces on the local switch and the interfaces on the other side of their corresponding links. In particular, check whether they should all belong to the same port-channel.
Message FCDOMAIN-3-SDWRAPBIND_FAILED: Bind to debug server failed

Explanation Fcdomain feature has not been able to contact the debug service. Any problems occurring in the fcdomain feature will not be logged.

Recommended Action No action is required.

Message FCDOMAIN-3-SDWRAPHISTINIT_FAILED: Initialization of history message list failed.

Explanation Fcdomain feature has not been able to contact the debug history service. Any problems occurring in the fcdomain feature will not be logged to this debug history.

Recommended Action No action is required.

Message FCDOMAIN-3-VSAN_MERGE_DETECTED: Merge detected with VSAN [dec] (Common Fabric Name [chars])

Explanation The local VSAN and VSAN [dec] have the same principal switch [chars], hence are connected in the same logical fabric.

Recommended Action No action is required.

FCDOMAIN-4

Message FCDOMAIN-4-DM_ALLOWED_DM_LIST_MOD_ON_SUBORDINATE: Allowed domain list for vsan [dec] modified on subordinate switch with fcdomain distribution enabled

Explanation When distribution is enabled, it is recommended to modify the allow domain list on the principal switch only.

Recommended Action Abort the current session on the local switch and start a new one on the principal switch.

Message FCDOMAIN-4-FABRICCONFSTARTRCF: Disruptive reconfiguration started

Explanation A disruptive reconfiguration (RCF phase) of the VSAN has started. This can happen when two or more fabrics merge disruptively, or when the user manually triggers a disruptive reconfiguration of the VSAN.

Recommended Action No action is required.

Message FCDOMAIN-4-FC2_CORRUPTED: Received malformed FC2 [chars] frame

Explanation Fcdomain received a malformed FC2-SWILS frame.

Recommended Action No action is required.
Message  FCDOMAIN-4-FCID_PERSISTENT_TBL_ALMOST_FULL: FCID persistent table is almost full

Explanation  Fcdomain has 80% or more of the FCID persistent table full with entries. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table.

Recommended Action  Purge stale entries [purge fcdomain fcid] to obtain more free entries.

FCDOMAIN-5

Message  FCDOMAIN-5-DOMAIN_TYPE_IS_PREFERRED: The domain ID type is currently configured as preferred in all the existing VSANs

Explanation  All the currently existing VSANs have the domain ID type configured as preferred. This means that with a low probability the domain ID of the local VSAN might change after a reconfiguration. A reconfiguration can happen when two or more VSANs are merged or a principal link flaps. A principal link is either an upstream or a downstream link.

Recommended Action  Type [fcdomain domain <dom-id> static vsan <vsan-id>] to configure as static the domain ID type in an existing VSAN.

Message  FCDOMAIN-5-FCIDP_DISABLED: FCID persistent feature is currently not enabled in any of the existing VSANs

Explanation  All the currently existing VSANs have the FCID persistent feature disabled.

Recommended Action  Type [fcdomain fcid persistent vsan <vsan-id>] to enable FCID persistent in an existing VSAN. Type [fcdomain fcid persistent global-enable] to automatically enable the FCID persistent feature on all newly created VSANs.

Message  FCDOMAIN-5-FCID_PERSISTENT_TBL_HALF_FULL: FCID persistent table is half full

Explanation  Fcdomain has 50% of the FCID persistent table full with entries. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table.

Recommended Action  You may want to purge stale entries [purge fcdomain fcid] to obtain more free entries.

Message  FCDOMAIN-5-UNKNOWNDOMAININCFSDATAREQUEST: Received CFS Data request from unknown domain [dec].

Explanation  A CFS Data request from the unknown domain [dec] has been received.

Recommended Action  No action is required.
Message FCDOMAIN-5-UNKNOWNDOMAININCFSLOCKREQUEST: Received CFS Lock request from unknown domain [dec].

Explanation A CFS Lock request from the unknown domain [dec] has been received.

Recommended Action No action is required.

Message FCDOMAIN-5-UNKNOWNDOMAININCFSRELEASEREQUEST: Received CFS Release request from unknown domain [dec].

Explanation A CFS Release request from the unknown domain [dec] has been received.

Recommended Action No action is required.

Message FCDOMAIN-5-UNKNOWNDOMAININUNKNOWNCFSREQUEST: Received CFS request from unknown domain [dec].

Explanation A CFS request from the unknown domain [dec] has been received.

Recommended Action No action is required.

FCDOMAIN-6

Message FCDOMAIN-6-BF_STARTED: BF started by [chars]

Explanation Build Fabric has been started in this VSAN

Recommended Action No action is required.

Message FCDOMAIN-6-CANNOTFREESINGLEFCID: Impossible to free single FCIDs

Explanation Impossible to free single FCIDs.

Recommended Action No action is required.

Message FCDOMAIN-6-CLEARLOCKNOTIFICATIONRECEIVED: Implicit lock release.

Explanation Lock has been implicitly released due to a clear session operation.

Recommended Action No action is required.

Message FCDOMAIN-6-DEVICEALREADYOWNSDIFFERENTFCIDS: The device already owns different FCIDs

Explanation Requested different FCIDs without any freeing in between.

Recommended Action No action is required.
Message FCDOMAIN-6-DOMAINID_INVALID: Local domain ID invalid

Explanation The local domain ID is invalid.

Recommended Action No action is required.

Message FCDOMAIN-6-DOMAINID_VALID: Local domain ID [dec] available

Explanation The domain ID [dec] is available.

Recommended Action No action is required.

Message FCDOMAIN-6-DOWNSTREAM_SWITCHED: Downstream interface has been fast-switched from [chars] to [chars]

Explanation Because of a link failure the downstream interface has been fast-switched from [dec] to [dec].

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_ALREADY_CREATED: Interface [chars] already created

Explanation Interface [chars] already created.

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_ALREADY_DOWN: Interface [chars] is already down

Explanation Interface [chars] already down.

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_CLEANUP: Interface [chars] received cleanup request

Explanation Fcdomain on interface [chars] has received a cleanup request.

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_CREATED: Creation of interface [chars]

Explanation Fcdomain is going to create interface [chars].

Recommended Action No action is required.

Message FCDOMAIN-6-EPORT_DOWN: Interface [chars] is down

Explanation Fcdomain is going to remove interface [chars] from its database.

Recommended Action No action is required.
Message  FCDOMAIN-6-FABRICCONFSTARTBF: Non disruptive reconfiguration started

Explanation  A non disruptive reconfiguration (BF phase) of the VSAN has started. This can happen when two or more fabrics merge, or when the user manually triggers a non disruptive reconfiguration of the VSAN.

Recommended Action  No action is required.

Message  FCDOMAIN-6-FABRICNAME_INVALID: Fabric name not available

Explanation  Fabric name not available.

Recommended Action  No action is required.

Message  FCDOMAIN-6-FABRICNAME_VALID: Fabric name [chars] available

Explanation  Fabric name [chars] available.

Recommended Action  No action is required.

Message  FCDOMAIN-6-FCIDALREADYFREE: FCIDs already free

Explanation  FCIDs already free.

Recommended Action  No action is required.

Message  FCDOMAIN-6-FCIDNOTSTORED: FCIDs not stored

Explanation  FCIDs not stored.

Recommended Action  No action is required.

Message  FCDOMAIN-6-FCIDP_ENABLED_DOM_TYPE_PREFERRED: FCID persistency is enabled, but the domain ID type is configured as preferred

Explanation  The FCID persistency feature is enabled, but the domain ID type is configured as preferred. This means that with a low probability the domain ID of the local VSAN might change after a reconfiguration. A reconfiguration can happen when two or more VSANs are merged or a principal link flaps. A principal link is either an upstream or a downstream link. Should the domain ID change, all the FCIDs associated with it would be invalidated.

Recommended Action  Type [fcdomain domain <dom-id> static vs an <vsan-id>] to configure as static the domain ID type in an existing VSAN.

Message  FCDOMAIN-6-FCIDS_ASSIGNED: Assigned a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex]

Explanation  Assigned a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex].

Recommended Action  No action is required.
Message FCDOMAIN-6-FCIDS_FREED: Freed a sequence of 256 contiguous FCIDs starting
from FCID [hex]:[hex]:[hex]

Explanation Freed a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex].

Recommended Action No action is required.

Message FCDOMAIN-6-FCID_ASSIGNED: Assigned single FCID [hex]:[hex]:[hex]

Explanation Assigned single FCID [hex]:[hex]:[hex].

Recommended Action No action is required.

Message FCDOMAIN-6-FCID_FREED: Freed single FCID [hex]:[hex]:[hex]

Explanation Freed single FCID [hex]:[hex]:[hex].

Recommended Action No action is required.

Message FCDOMAIN-6-INCORRECTDOMAINRANGE: Requested FCIDs with domain field not in
expected range

Explanation Requested FCIDs with domain field not in expected range.

Recommended Action No action is required.

Message FCDOMAIN-6-INCORRECTDOMAIN: Requested FCIDs with domain field different
from local domain

Explanation Requested FCIDs with domain field different from local domain.

Recommended Action No action is required.

Message FCDOMAIN-6-INVALIDARG: Requested FCID of type 00.00.YY, but specifying an
entire area

Explanation Requested FCID of type 00.00.YY, but specifying an entire area.

Recommended Action No action is required.

Message FCDOMAIN-6-MY_SAME_WWN_DIFFERENT_DOMS_CONFLICTS: During VSAN merge
detected local WWN [chars] is already in use by another switch (the two switches
have different domain IDs: [dec] (local) and [dec])

Explanation It has been detected that the local switch has the same WWN [chars] of another switch,
and that they have different domain IDs: [dec] (local) and [dec].

Recommended Action Check which switches have the same WWN and change either one.
Message  FCDOMAIN-6-NODOMAIN: Local domain not available

Explanation  The local domain is not available yet.

Recommended Action  No action is required.

Message  FCDOMAIN-6-NOFREEFCID: No free FCIDs

Explanation  No free FCIDs.

Recommended Action  No action is required.

Message  FCDOMAIN-6-NOTOWNER: Feature [dec] cannot free FCID [dec]:[dec]:[dec] (feature [dec] is the actual owner)

Explanation  Feature UUID [dec] cannot free FCID [dec]:[dec]:[dec] because it is not its owner (UUID actual owner is [dec]).

Recommended Action  No action is required.

Message  FCDOMAIN-6-OTHER_SIDE_VIRTUAL_IVR_DOMS_OVERLAPPING: During VSAN merge detected overlap with virtual IVR domain ID [dec] from across the link

Explanation  It has been detected an overlap with the virtual IVR domain ID [dec] from across the link during an attempt to merge the local VSAN.

Recommended Action  No action is required.

Message  FCDOMAIN-6-PSWSSTARTED: Principal Switch Selection started

Explanation  Fcdomain started a principal switch selection phase to elect a principal switch in this VSAN.

Recommended Action  No action is required.

Message  FCDOMAIN-6-RCF_STARTED: RCF started by [chars]

Explanation  Reconfigure Fabric has been started in this VSAN

Recommended Action  No action is required.

Message  FCDOMAIN-6-REQSINGLEFCIDWITHINRESERVEDRANGE: Requested single FCIDs in area [dec] within the reserved range

Explanation  Requested single FCIDs in area [dec] within the reserved range.

Recommended Action  No action is required.
Message FCDOMAIN-6-REQUESTEDFCIDNOTFREE: Requested FCIDs not free
Explanation Requested FCIDs not free.
Recommended Action No action is required.

Message FCDOMAIN-6-REQUESTEDFCIDRESERVED: Requested reserved FCIDs
Explanation Requested reserved FCIDs.
Recommended Action No action is required.

Message FCDOMAIN-6-REQUESTEDRESERVEDFCIDMISMATCH: Requested persistent FCIDs, but there is a mismatch
Explanation Requested persistent FCIDs, but there is a mismatch.
Recommended Action No action is required.

Message FCDOMAIN-6-SAME_WWNS_DIFFERENT_DOMS_CONFLICTS: During VSAN merge detected two switches with same WWN [chars] and different non-virtual domain IDs [dec] and [dec]
Explanation It has been detected that two switches have the same WWN [chars], but different non-virtual domain IDs: [dec] and [dec].
Recommended Action Check which switches have the same WWN and change either one.

Message FCDOMAIN-6-TIMER_UNKNOWN: fcdomain has received a notification for an unknown timer expiration
Explanation A timer unknown to fcdomain has expired.
Recommended Action No action is required.

Message FCDOMAIN-6-UPSTREAM_SWITCHED: Upstream interface has been fast-switched from [chars] to [chars]
Explanation Because of a link failure the upstream interface has been fast-switched from [dec] to [dec].
Recommended Action No action is required.

Message FCDOMAIN-6-UUIDNOSPACEFOUND: No available space to store the identity of the request or the FCIDs
Explanation No available space to store the identity of the request or the FCIDs.
Recommended Action No action is required.
Message  FCDOMAIN-6-UUIDNOTFOUND: Universal Unique ID (UUID) not found

Explanation  Universal Unique ID (UUID) not found.

Recommended Action  No action is required.

Message  FCDOMAIN-6-VIRTUAL_IVR_DOMS_OVERLAPPING: During VSAN merge detected overlap with local virtual IVR domain ID [dec]

Explanation  It has been detected an overlap with the local virtual IVR domain ID [dec] during an attempt to merge the local VSAN.

Recommended Action  No action is required.

FCDOMAIN-7

Message  FCDOMAIN-7-EPORT_ALREADY_ISOLATED: Interface [chars] is already isolated or down

Explanation  Fcdomain was going to isolate interface [chars], but the interface is already isolated.

Recommended Action  No action is required.

Message  FCDOMAIN-7-FABRICCONFCOMPLETEDBF: Non disruptive reconfiguration completed

Explanation  A non disruptive reconfiguration (BF phase) completed. This can happen when two or more fabrics merged, or when the user manually triggered a non disruptive reconfiguration of the VSAN.

Recommended Action  No action is required.

Message  FCDOMAIN-7-FABRICCONFCOMPLETEDRCF: Disruptive reconfiguration completed

Explanation  A disruptive reconfiguration (RCF phase) of the VSAN has completed. This can happen when two or more fabrics merged disruptively, or when the user manually triggered a disruptive reconfiguration of the VSAN.

Recommended Action  No action is required.

Message  FCDOMAIN-7-FC2_RETRY: Retransmission of FC2 frame on interface [chars] (Cmd Code: [hex])

Explanation  Fcdomain is retrying an FC2 frame on interface [chars] due to loss/no response. The Command Code of the frame is [hex].

Recommended Action  No action is required.
Message  FCDOMAIN-7-FCID_IN_USE_PURGING_FOR_FICON_MGR: FICON needs to purge the persistent FCID table, but at least one FCID is still in use, preventing this purge from completely remove all entries belonging to the VSAN.

Explanation There may be a problem in the sequence that shuts down all interfaces before fcdomain receives a request from FICON Manager to purge the persistent FCID table.

Recommended Action No action is required.

Message  FCDOMAIN-7-FSM_FAILED: FSM transition failed on interface [chars] (current state [chars])

Explanation Fcdomain state machine generated an invalid event on interface [chars], for which no proper action was defined (current state [chars].)

Recommended Action No action is required.

Message  FCDOMAIN-7-FSM_FORBIDDEN_TRANSITION: fcdomain state machine has hit a forbidden transition

Explanation Fcdomain state machine has tried to execute a forbidden transition.

Recommended Action No action is required.

Message  FCDOMAIN-7-INTERFACERDY: Interface [chars] ready

Explanation Interface [chars] is ready.

Recommended Action No action is required.

Message  FCDOMAIN-7-PREACTIONTYPE_UNKNOWN: fcdomain state machine has hit an unknown pre-action type

Explanation An undefined pre-action type has been used.

Recommended Action No action is required.

Message  FCDOMAIN-7-PSWSCOMPLETED: Principal Switch Selection completed

Explanation A Principal Switch Selection (PSwS phase) completed.

Recommended Action No action is required.

Message  FCDOMAIN-7-RDIACC: Assigned domain ID [dec], WWN of request or [chars] (requested domain ID [dec])

Explanation Domain ID [dec] has been received by VSAN with WWN [chars] (requested domain ID was [dec].)

Recommended Action No action is required.
FCD Messages

This section contains the FCD messages.

FCD-7

**Message**  
FCD-7-SB3_ABTS_EXCHANGE: sb3 aborted exchange [hex] from vsan:[dec]  
state:[chars]:[dec]

**Explanation**  
SB3 aborted exchange due to reason given. Aborts are caused by either the channel or  
control unit detecting a device protocol error. Recovery actions are performed to restore  
communication. In certain circumstances aborts occur in normal operations.

**Recommended Action**  
No action is required if communication with CUP device is still operational.

**Message**  
FCD-7-SB3_UCS_PER_FILE_FN: VSAN:[dec] Unit Check for perform file  
function, reason: [chars]

**Explanation**  
SB3 failed perform file function. Failure is caused by error in the file main frame sent  
to director.

**Recommended Action**  
No action is required if communication with CUP device is still operational.

FCFWD Messages

This section contains the FCFWD messages.

FCFWD-3

**Message**  
FCFWD-3-ERROR: [chars]

**Explanation**  
FCfwd encountered an error

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FCFWD-4

**Message**  
FCFWD-4-WARNING: [chars]

**Explanation**  
FCfwd is generating a relevant notification

**Recommended Action**  
No action is required.
FCFWD-6

Message  FCFWD-6-INFO: [chars]

Explanation  An fc fwd event occurred

Recommended Action  No action is required.

FCNS Messages

This section contains the FCNS messages.

FCNS-2

Message  FCNS-2-DB_FULL: the database; max entries [dec] exceeded

Explanation  Name server database is full. The max number of entries, [dec], of ports is already present in the database

Recommended Action  No action is required.

Message  FCNS-2-INIT_FAILURE:: [chars]

Explanation  Fcns initialisation has failed due to [chars].

Recommended Action  No action is required.

Message  FCNS-2-NO_RESPONSE: for query [chars] from domain [dec]

Explanation  No response for query [chars] from domain [dec].

Recommended Action  No action is required.

Message  FCNS-2-PSS_VERSION_MISMATCH:: for [chars]

Explanation  Version mismatch for pss of type [chars].

Recommended Action  No action is required.

Message  FCNS-2-RELOAD_FAILURE:: [chars]

Explanation  Failed to reload information from PSS: [chars].

Recommended Action  No action is required.
FCNS-3

Message FCNS-3-BAD_FRAME:: [chars]
Explanation Received a bad frame from the network: [chars].
Recommended Action No action is required.

Message FCNS-3-CFG_FAILURE:: [chars]
Explanation A failure related to fcns configuration: [chars].
Recommended Action No action is required.

Message FCNS-3-CHUNK_FAILURE:: [chars]
Explanation Chunk memory failure: [chars].
Recommended Action No action is required.

Message FCNS-3-DB_FAILURE:: [chars]
Explanation A failure occurred in fcns database: [chars].
Recommended Action No action is required.

Message FCNS-3-MALLOC_FAILURE:: [chars]
Explanation Malloc failed: [chars].
Recommended Action No action is required.

Message FCNS-3-MTS_FAILURE:: [chars] [chars]
Explanation Failure occurred trying to do an MTS operation: [chars] [chars].
Recommended Action No action is required.

Message FCNS-3-PSS_FAILURE:: [chars]
Explanation Pss failure: [chars].
Recommended Action No action is required.
FCNS-4

Message  FCNS-4-QUERY_NO_RESPONSE: for query [chars] from domain [dec]

Explanation  No response for query [chars] from domain [dec].

Recommended Action  No action is required.

FCNS-6

Message  FCNS-6-DB_INFO:: [chars] [hex]

Explanation  Database modification:[chars] for entry [hex].

Recommended Action  No action is required.

Message  FCNS-6-STATUS_INFO:: [chars]

Explanation  A change in fcns status: [chars].

Recommended Action  No action is required.

FCOE_MGR Messages

This section contains the FCOE_MGR messages.

FCOE_MGR-2

Message  FCOE_MGR-2-FCOE_MGR_MODULE_NOT_LICENSED: FCoE Manager Module:[dec] not licensed

Explanation  FCOE_MGR Line Card not licensed

Recommended Action  No action is required.

Message  FCOE_MGR-2-FCOE_MGR_PSS_RESTORE_FAILED: FCoE Manager PSS Restore operation failed, error: [chars]

Explanation  FCoE Manager PSS Restore operation failed

Recommended Action  No action is required.
FCOE_MGR-5

Message FCOE_MGR-5-FCOE_MGR_DISABLED: FCOE_MGR Disabled

Explanation FCOE_MGR Service Disabled

Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_ENABLED: FCOE_MGR Enabled

Explanation FCOE_MGR Service enabled

Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_INFO: [chars]

Explanation FCoE Manager general info

Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_MODULE_LICENSE_CHECKIN: FCoE Manager License Checkin:[dec]

Explanation FCOE_MGR Line Card license checked in

Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_MODULE_LICENSE_CHECKOUT: FCoE Manager License Checkout:[dec]

Explanation FCOE_MGR Line Card license checked out

Recommended Action No action is required.

Message FCOE_MGR-5-FCOE_MGR_SOLICITATION_FROM_SAME_MAC: FCoE Manager received Multicast Solicitation from same MAC: [chars]

Explanation FCoE Manager received Multicast Solicitation from same MAC

Recommended Action No action is required.
Message FCOE_MGR-5-FCOE_MGR_VE_DUPLICATE_PEER_MAC: FCoE Manager has already received unicast advertisement from MAC [chars] on a different VE link. Bringing down this link

Explanation  FCoE Manager has already received unicast advertisement from same MAC on a different VE link

Recommended Action  No action is required.

FCOE Messages

This section contains the FCOE messages.

FCOE-5

Message FCOE-5-FCOE_DISABLED: FCOE Disabled

Explanation  FCOE Service Disabled

Recommended Action  No action is required.

Message FCOE-5-FCOE_ENABLED: FCOE Enabled

Explanation  FCOE Service Enabled

Recommended Action  No action is required.

FCSP-MGR Messages

This section contains the FCSP-MGR messages.

FCSP-MGR-2

Message  FCSP-MGR-2-DBG_INIT_FAILED: Debug Infrastructure Initialization failed ([chars])

Explanation  The system has detected an error.

Recommended Action  No action is required.

Message  FCSP-MGR-2-FC2_E_INIT_FAILED: Fibre-Channel Initialization of an E_Port failed ([chars])

Explanation  FC-SP Manager has been unable to initialize with the FC-2 E-Port infrastructure.

Recommended Action  No action is required.
Message FCSP-MGR-2-FC2_F_INIT_FAILED: Fibre-Channel Initialization of an F_Port failed ([chars])

Explanation FC-SP Manager has been unable to initialize with the FC-2 F-Port infrastructure.

Recommended Action No action is required.

Message FCSP-MGR-2-FC2_UNKNOWN_FRM_RECD_CRIT: Received an unexpected/unknown FC-2 frame on [chars]

Explanation The system has detected an error.

Recommended Action No action is required.

Message FCSP-MGR-2-FCSP_AUTHENT_FAILURE: FC-SP Authentication failure on Port [chars] (FC-SP Failure Reason: [chars] [chars])

Explanation Fibre-Channel Authentication failure on Port [chars]. (Reason Code [chars] Detail [chars]). Please check password configurations and ensure appropriate security modes on this port as well as peer port.

Recommended Action No action is required.

Message FCSP-MGR-2-FCSP_ESP_MISMATCH: ESP parameters mismatch failure on Port [chars] (reason:[chars])

Explanation Fibre-Channel ESP parameters mismatch with the peer on Port [chars]. (Reason: [chars]). Please check ESP configurations on both side of the link and ensure appropriate ESP mode on this port as well as peer port.

Recommended Action No action is required.

Message FCSP-MGR-2-FSMU_INIT_FAILED: State Machine Infrastructure Initialization failed ([chars])

Explanation The system has detected an error.

Recommended Action No action is required.

Message FCSP-MGR-2-IPC_INIT_FAILED: IPC (Inter Process Communication) Initialization failed ([chars])

Explanation FC-SP Manager has been unable to initialize with the IPC infrastructure.

Recommended Action No action is required.
Message  FCSP-MGR-2-LICENSE_UNAVAILABLE: License:[chars] unavailable, service exiting
Explanation  License of [chars] is unavailable. Service will exit now
Recommended Action  Please install the license file to continue using the feature.

Explanation  The system has detected an error.
Recommended Action  No action is required.

Message  FCSP-MGR-2-POST_INIT_FAILED: Post-Initialization failed ([chars])
Explanation  The system has detected an error.
Recommended Action  No action is required.

Message  FCSP-MGR-2-PSS_INIT_FAILED: PSS Infrastructure Initialization failed ([chars])
Explanation  The system has detected an error.
Recommended Action  No action is required.

FCS Messages

This section contains the FCS messages.

FCS-2

Message  FCS-2-ALLOC_FAILED: Memory allocation failed for size:[dec]
Explanation  Memory allocation failed for size [dec].
Recommended Action  Restart the process.

Message  FCS-2-CHUNK_ALLOC_FAILED: Chunk memory allocation failed for [chars] chunk
Explanation  Chunk memory allocation failed. [chars] indicates the chunk name.
Recommended Action  Restart the process.
**Message**  
FCS-2-NO_RESPONSE: Retried maximum number of times for [chars] to domain [dec] in VSAN [dec].

**Explanation**  
Maximum number of retries completed for [chars] form domain [dec] in VSAN [dec].

**Recommended Action**  
No action is required.

**Message**  
FCS-2-PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation**  
There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  
FCS-2-RANDNUM_FAIL: [chars]

**Explanation**  
There was a critical error during random number generation. [chars] indicates details of the error.

**Recommended Action**  
No action is required.

**FCS-3**

**Message**  
FCS-3-DB_ERR: [chars]

**Explanation**  
An error occurred during an FCS database operation. [chars] indicates the reason for the error.

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  
FCS-3-INIT_FAIL: [chars]

**Explanation**  
An error happened during FCS Initialization. [chars] indicates the reason for failure.

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  
FCS-3-MTS_API_ERR: [chars]: [chars]

**Explanation**  
An error occurred in send or receive of an MTS message. [chars] indicates the error that occurred and [chars] indicates the error number.

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  FCS-3-MTS_ERR: [chars]

Explanation  An error occurred in processing of an MTS message. [chars] indicates the error that occurred.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  FCS-3-NO_MTS_RESP: [chars]

Explanation  There was no response to an MTS request. [chars] indicates details of the MTS message.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  FCS-3-NO_REMOTE_RESP: No response for request [chars] from domain [dec] in VSAN [dec]

Explanation  There was no response to an FC2 request. [chars] indicates FCS request [dec] indicates the remote domain and [dec] the VSAN ID.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  FCS-3-OTHER_ERR: [chars]

Explanation  An FCS generic error occurred. [chars] indicates the description of the error.

Recommended Action  No action is required.

Message  FCS-3-PSS_ERR: [chars]

Explanation  An error occurred during an FCS PSS operation. [chars] indicates the PSS operation that caused the error.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  FCS-3-SOCK_ERR: sd: [dec], [chars]

Explanation  An FC-2 Socket error occurred on socket-ID [dec]. [chars] indicates the reason for failure.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
FCS-5

Message  FCS-5-API_FAIL: [chars]: [chars]

Explanation  An API called by FCS failed. [chars] indicates the API name failed and [chars] the reason for failure.

Recommended Action  If this message is seen during a cold boot, it means that the queried module came up after FCS and this case can be ignored.

Message  FCS-5-DB_NOTICE: [chars]

Explanation  An error occurred during an FCS database operation. [chars] indicates the reason for the error.

Recommended Action  No action is required.

FCS-6

Message  FCS-6-BAD_CT_FRAME: Invalid FCS frame: [chars] received from [hex]

Explanation  An invalid FCS FC-CT frame with [chars] received from FC-ID [hex].

Recommended Action  No action is required.

Message  FCS-6-INFORMATION: [chars]

Explanation  An event happened that affects FCS. [chars] indicates the event

Recommended Action  No action is required.

Message  FCS-6-REXMIT_PKT: Retransmitting request [chars] to domain [dec] in VSAN [dec]

Explanation  There was a retransmission of an FC2 request. [chars] indicates FCS request [dec] indicates the remote domain and [dec] the VSAN ID

Recommended Action  No action is required.

FDMI Messages

This section contains the FDMI messages.
FDMI-2

Message  FDMI-2-FDMI_INIT_FAILED: FDMI initialization failed : [chars]

Explanation Fdmi process encountered error while starting.

Recommended Action No action is required.

Message  FDMI-2-MTS_ERROR: MTS message transmission failed with error [dec]

Explanation Fdmi process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec].

Recommended Action No action is required.


Explanation Fdmi read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system err code.

Recommended Action No action is required.


Explanation Fdmi read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system err code.

Recommended Action No action is required.

FDMI-3

Message  FDMI-3-BAD_FRAME: Malformed frame received: [chars]

Explanation Fdmi process received malformed frame. [chars] describes the malformation

Recommended Action No action is required.

Message  FDMI-3-BAD_RESPONSE: response with command code: [hex]

Explanation Fdmi process received bad payload in response

Recommended Action No action is required.
Message FDMI-3-INTERNAL_ERROR: Internal err: [chars]

Explanation Fdmi process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.

Message FDMI-3-MTS_API_ERROR: API, [chars] returned [hex]

Explanation Fdmi invoked API [chars], received the error code specified in 0x[hex]

Recommended Action No action is required.

Message FDMI-3-MTS_FORMAT_ERROR: Unknown MTS message format in opcode [dec] from module [chars]

Explanation Fdmi received message from module [chars] which contains unknown message format. MTS opcode is specified in [dec]

Recommended Action No action is required.

Message FDMI-3-NO_RESPONSE: No response from switch whose domain id is [dec]

Explanation Fdmi process sends a inter-switch packets to switches and has not received the response

Recommended Action No action is required.

Message FDMI-3-PSS_ERROR: PSS operation [chars] returned err: [hex]

Explanation [chars] specifies the context where the failure occurred and 0x[hex] specifies the err

Recommended Action No action is required.

Message FDMI-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received

Explanation Fdmi process received unexpected MTS event. MTS opcode is specified in [dec]

Recommended Action No action is required.

FDMI-4

Message FDMI-4-SW_REJ_RESPONSE: VSAN [id] Reject response [chars] from switch whose domain id is [dec]

Explanation Fdmi process sends a inter-switch packets to switches and has received the reject response with reason code in [chars]

Recommended Action No action is required.
FDMI-6

Message FDMI-6-DEBUG_INFO: [chars]

Explanation Fdmi process debug info

Recommended Action No action is required.

FEATURE-MGR Messages

This section contains the FEATURE-MGR messages.

FEATURE-MGR-2

Message FEATURE-MGR-2-FM_AUTOCKPT_FAILED: AutoCheckpoint [chars] failed to be created for reason: [chars] ([hex])

Explanation AutoCheckpoint with the given name has been created successfully

Recommended Action No action is required.

Message FEATURE-MGR-2-FM_FEATURE_LICENSE_ERROR: the license operation for feature failed [hex] [chars]

Explanation License operation was not successful, check license validity for the feature

Recommended Action Please contact FM team

Message FEATURE-MGR-2-FM_FEATURE_LICENSE_ERROR: license [chars] checkout failure for [chars], error [hex] ([chars])

Explanation License operation was not successful, check license validity for the feature

Recommended Action Please contact FM team

Message FEATURE-MGR-2-FM_FEATURE_OP_TIMEOUT_ERROR: feature [chars] operation failed on response timeout from service: [chars] with uuid ([hex])

Explanation The error seen at FM and service communication

Recommended Action Please contact service owner with given uuid and FM team
Message FEATURE-MGR-2-FM_FSET_ADD_CONFCHECK_ERROR: failed to add confcheck \([\text{hex}] ([\text{chars}])\) at installing feature-set \([\text{chars}]\)

Explanation Failed to add confcheck at enabling feature-set

Recommended Action Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_CFG_ALLOW_ERROR: Potential vdc_mgr issue: the allow request failed \([\text{hex}] ([\text{chars}])\)

Explanation vdc_mgr failed to response the allow request

Recommended Action Please contact FM/vdc_mgr team

Message FEATURE-MGR-2-FM_FSET_CKPT_ERROR: Checkpoint issue: failed on checkpoint with error \([\text{hex}] ([\text{chars}])\) at feature-set \([\text{chars}]\)

Explanation Checkpoint did not response

Recommended Action Please contact FM/vdc_mgr and rollback team

Message FEATURE-MGR-2-FM_FSET_DISABLE_ERROR: Potential sysmgr issue: disable feature-set \([\text{chars}]\) on sup failed with error \([\text{hex}] ([\text{chars}])\)

Explanation Some issues while disabling feature-set

Recommended Action Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_DISABLE_FEATURES_ERROR: features failed to disable at feature-set \([\text{chars}]\) with error \([\text{hex}] ([\text{chars}])\)

Explanation Failed to disable feature at disabling feature-set

Recommended Action Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_DISABLE_FEATURES_TIMEOUT: Potential \([\text{chars}]\) issue: feature \([\text{chars}]\) did not complete its disabling

Explanation Failed to disable feature at disabling feature-set

Recommended Action Please contact FM/sysmgr team and the feature owner

Message FEATURE-MGR-2-FM_FSET_INSTALL_ERROR: install feature-set \([\text{chars}]\) returns error 0X[\text{hex}] ([\text{chars}])

Explanation Some issues during install feature-set

Recommended Action Please contact FM/sysmgr team

Explanation Some issues on the lc while disabling feature-set

Recommended Action Please contact FM/sysmgr team


Explanation Some issue on the lc while enabling feature-set

Recommended Action Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_PRESEQ_REJECT: It rejects pre-sequence due to a service with sap [dec]: [chars]

Explanation The message seen when an application rejects feature-set disable request

Recommended Action Please contact FM/sysmgr team

Message FEATURE-MGR-2-FM_FSET_SUP_ENABLE_ERROR: enabling feature-set [chars] on sup returns error 0X[hex] ([chars])

Explanation Some issues during enabling feature-set

Recommended Action Please contact FM/sysmgr team


Explanation Some issues while ungraceful disable feature-set

Recommended Action Please contact FM/sysmgr team


Explanation Some issues while ungraceful uninstall feature-set

Recommended Action Please contact FM/sysmgr team


Explanation Some issues while uninstall feature-set

Recommended Action Please contact FM/sysmgr team
Message  FEATURE-MGR-2-FM_FSET_VMM_OP_ERROR: [chars]
Explanation  The error seen at FM and VMM interaction
Recommended Action  Please contact FM/VMM team

Message  FEATURE-MGR-2-MODULE_FM_DONE: feature manager completed
Explanation  Feature manager completed
Recommended Action  No action is required.

Message  FEATURE-MGR-2-MODULE_FM_STARTED: feature manager started
Explanation  Feature manager started
Recommended Action  No action is required.

Message  FEATURE-MGR-2-FM_FEATURE_OP_GENERIC_ERROR
Explanation  Service tacacs with uuid [dec] [hex] encountered error: [hex] ([chars])
Recommended Action  Please contact Service Owner for details.

FEATURE-MGR-6

Message  FEATURE-MGR-6-FM_AUTOCKPT_IN_PROGRESS: AutoCheckpoint [chars] creation in progress...
Explanation  AutoCheckpoint creation has been requested and it should be in progress
Recommended Action  No action is required.

Message  FEATURE-MGR-6-FM_AUTOCKPT_SUCCEEDED: AutoCheckpoint [chars] created successfully
Explanation  AutoCheckpoint with the given name has been created successfully
Recommended Action  No action is required.

Message  FEATURE-MGR-6-FM_FCOE_AUTOINSTALL_ON_NOT_ISOLA: auto-install feature-set fcoe on non-isola
Explanation  Auto-install feature-set fcoe could be done on isola only
Recommended Action  Please contact FM team
Message  FEATURE-MGR-6-FM_FSET_ENABLED_AT_UNINSTALL: Uninstall aborted because feature set is still enabled in vdc [dec]

Explanation  Feature set is in enabled state

Recommended Action  No action is required.

FEX Messages

This section contains the FEX messages.

FEX-2

Message  FEX-2-FEX_NOT_ONLINE_SUP_ISSU: FEX [dec] did not come online after SUP ISSU

Explanation  This is reported when FEX does not come online after ISSU once the SUP came online. When ISSU failure occurs, at the end of the “install all”, the installer will analyze different logs and display the relevant information to diagnose the problem.

Recommended Action  If the information from the ISSU analyzer needs to be viewed again, the command “show install all failure-reason” can be used. If FEX did not respond after sup came online during upgrade is reported, investigate the reason for FEX not coming online.

Message  FEX-2-FEX_OFFLINE: FEX [dec] has gone OFFLINE

Explanation  This is reported when system info message is failed to be sent to FEX, the reason being FEX offline.

Recommended Action  Investigate the reason for the FEX going offline. Check the output of the cli show interface ethernet x/y, where x/y is the port to which the FEX is connected.

Message  FEX-2-FEX_ONLINE: FEX [dec] has come ONLINE

Explanation  Indicates FEX coming online.

Recommended Action  No action is required as this syslog is just an indication that FEX is coming online.


Explanation  This is reported when there is some incompatibility in configuration detected.

Recommended Action  Check the configuration and reconfigure the FEX correctly.
Message  FEX-2-NHMS_ENV_FEX_OFFLINE: [chars]

Explanation  Indicates FEX going offline.

Recommended Action  If this syslog is reported because of intentional invocation of any cli that will make the FEX offline, then no action is required. Else Investigate the reason for the FEX going offline. Check the output of the CLI 'show interface ethernet x/y, where x/y is the port to which the FEX is connected.

Message  FEX-2-NHMS_ENV_FEX_ONLINE: [chars]

Explanation  Indicates FEX coming online.

Recommended Action  No action is required as this syslog is just an indication that FEX is coming online.

FEX-4

Message  FEX-4-FEX_SCALING_LIMITS_REACHED: You have exceeded the advisable FEX scaling limits.

Explanation  This is reported because the scaling limit has reached for configuring Fabric Extenders with total number of Fabric Extender server interfaces on Supervisor i.e. More FEX/FEX ports in the system than recommended by Cisco.

Recommended Action  Do not further scale up the Fabric Extenders with total number of Fabric Extender server interfaces on Supervisor.

FEX-5

Message  FEX-5-FEX_DISABLED: FEX Disabled

Explanation  FEX Service Disabled

Recommended Action  No action is required.

Message  FEX-5-FEX_ENABLED: FEX Enabled

Explanation  FEX Service Enabled

Recommended Action  No action is required.


Explanation  Fex [decimal-digit] changed port status

Recommended Action  No action is required.
Message  FEX-5-PINNING_CHANGED: Fex [dec] pinning information is changed

Explanation  Fex pinning information changed

Recommended Action  No action is required.

Message  FEX-5-SATMGR_DISABLE_FAILED: Disabling of feature FEX failed. Please remove FEX related configs from interfaces

Explanation  This is reported when Disabling of FEX fails.

Recommended Action  Remove all FEX related interface configurations manually.

FIB Messages

This section contains the FIB messages.

FIB-SLOT#-0

Message  FIB-SLOT#-0-EMERG: [chars]

Explanation  Fib caused a system failure

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-1

Message  FIB-SLOT#-1-ALERT: [chars]

Explanation  Fib caused failures in other services

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  FIB-SLOT#-1-HW_RESOURCE: [chars]

Explanation  Hardware resources are approaching limit.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**FIB-SLOT#-2**

**Message** FIB-SLOT#-2-CRIT: [chars]

**Explanation** Fib encountered a catastrophic error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FIB-SLOT#-2-FIB_TCAM_HA_ERROR: FIB recovery errors, please capture show tech forwarding l3 unicast' and 'show tech forwarding l3 multicast'

**Explanation** FIB had some HA recovery failures for certain prefixes/labels.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-2-FIB_TCAM_RESOURCE_EXHAUSTION: FIB TCAM exhausted for [chars]

**Explanation** The TCAM device in the L3 forwarding ASIC has reached its system limits.

**Recommended Action** No action is required.

**FIB-SLOT#-3**

**Message** FIB-SLOT#-3-ERR: [chars]

**Explanation** Fib encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FIB-SLOT#-3-FIB_URPF_RESOURCE_EXHAUSTION: uRPF memory exhausted - Failed to add uRPP interface(s)

**Explanation** The URPF memory in the L3 forwarding ASIC has reached its system limits.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-3-HW_FAIL: [chars]

**Explanation** Failed to program route into the hardware.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  FIB-SLOT#-3-NO_MEM: Out of memory
Explanation  Fib does not have enough memory to continue proper operation.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  FIB-SLOT#-3-SEND_SUP: Cannot talk to supervisor
Explanation  Fib to supervisor IPC failure
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-4

Message  FIB-SLOT#-4-CPU_HOG: Inactive or busy
Explanation  Either fib was not scheduled to run, or fib was busy, and fib did not service the message or timer queue for an extended period.
Recommended Action  Please perform debug fiber or, then recreate the operation scenario, to find out more details.'

Message  FIB-SLOT#-4-PIB_ADJ_UTIL_WARNING: Adjacency memory utilization is at [dec] percent
Explanation  Adjacency memory utilization has is above its threshold
Recommended Action  No action is required.

Message  FIB-SLOT#-4-PIB_TCAM_ADJ_EXHAUSTED: Adjacency allocation failed for [chars]
Explanation  Failed to allocate an adjacency. Adjacency memory could have been exhausted
Recommended Action  No action is required.

Message  FIB-SLOT#-4-PIB_TCAM_AF_INSERT_FAIL: FIB TCAM prefix insertion fail for [chars]
Explanation  The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization above threshold.
Recommended Action  No action is required.
Message FIB-SLOT#-4-FIB_TCAM_PF_INSERT_FAIL: FIB TCAM prefix insertion fail for [chars]

Explanation The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization below threshold.

Recommended Action No action is required.

Message FIB-SLOT#-4-FIB_TCAM_RESOURCE_EXCEP_CLR: FIB TCAM resource usage exception cleared for [chars] [chars]

Explanation The TCAM device in the L3 forwarding ASIC is within system limits.

Recommended Action No action is required.

Message FIB-SLOT#-4-FIB_TCAM_RESOURCE_WARNING: FIB TCAM usage is at 90 percent for [chars]

Explanation The TCAM device in the L3 forwarding ASIC is reaching its system limits.

Recommended Action No action is required.

Message FIB-SLOT#-4-WARN: [chars]

Explanation Fib encountered a possible error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FIB-SLOT#-6

Message FIB-SLOT#-6-FIB_INFO: [chars]

Explanation Information that a corrective action was taken by FIB

Recommended Action Message is informational only

FICON Messages

This section contains the FICON messages.
FICON-2

Message  FICON-2-E_DUPLICATE_PN_BRINGUP_FAIL: [chars]

Explanation  This port has the same port number assigned to other port in the same FICON VSAN. No more than one port with duplicate port number can be up in each FICON VSAN.

Recommended Action  Avoid duplicate number assignment in each FICON VSAN

Message  FICON-2-E_PN_PA_NOT_IN_BOUND: [chars]

Explanation  Port number or port address in startup-configure is out of bound.

Recommended Action  Change ficon port number assign configuration and save to startup-configure.

Message  FICON-2-E_SAVE_FILE: [chars]


Recommended Action  Configure port prohibits in symmetrically.

Message  FICON-2-SHUTDOWN: FICON Manager process shutting down: [chars]

Explanation  FICON Manager shutting down

Recommended Action  This is a severe error. Provide the reason given in the message.

FICON-3

Message  FICON-3-E_ASSIGN_BINDING_PN_FAIL: [chars]

Explanation  Port number has fcip or port channel binding can not be removed nor changed.

Recommended Action  Remove port number binding of the logical interface first.

Message  FICON-3-E_ASSIGN_INVALID_PN_PARAM: [chars]

Explanation  Invalid port number parameters in command.

Recommended Action  Check port numbers in the command.

Message  FICON-3-E_ASSIGN_OVERLAP_PN_FAIL: [chars]

Explanation  Port number assigned to physical and logical can not overlap.

Recommended Action  Check port numbers in the command.
Message FICON-3-E_ASSIGN_PN_NOT_DOWN_FAIL: [chars]

Explanation Only port number assigned to a port in down state can be removed or changed.

Recommended Action Bring down the port first.

Message FICON-3-E_ASSIGN_PROHIBIT_PN_FAIL: [chars]

Explanation Logical port address can not be prohibited.

Recommended Action Check port numbers in the command.

Message FICON-3-E_DUPLICATE_PN_ASSIGN_WARNING: [chars]

Explanation This port has the same port number assigned to other port in the same FICON VSAN. No more than one port should have the same port number in each FICON VSAN.

Recommended Action Avoid duplicate number assignment in each FICON VSAN.

Message FICON-3-E_INVALID_PA_BRINGUP_FAIL: [chars]

Explanation This port either has an invalid port address assigned or has no port address assigned.

Recommended Action Assign a valid ficon port number to the port.

Message FICON-3-E_PORT_PROHIBIT_BRINGUP_FAIL: [chars]

Explanation This port has been prohibited. Prohibiting E or TE ports is not allowed. This port can not be configured in E mode or TE mode until the prohibit mask configuration is changed.

Recommended Action Correct the prohibit mask (PDCM) for this port if you wish to bring it up as an E or TE port in a FICON VSAN.

Message FICON-3-E_UNASSIGN_NO_PN_FAIL: [chars]

Explanation Only port number already assigned can be removed.

Recommended Action Check port numbers in the command.

Message FICON-3-PDCM_CHANGE_REJ_E_PORT: [chars]

Explanation The FICON Prohibit Dynamic Connectivity Mask(PDCM) change rejected because an E or TE port is being prohibited. Prohibiting an E or TE port in not allowed.

Recommended Action Correct the prohibit mask (PDCM) for this port if you wish to bring the port up as an E or TE port in a FICON VSAN.
FICON-5

Message  FICON-5-STARTING: FICON Manager process starting

Explanation  FICON Manager process is being started

Recommended Action  No action is required.

FICON-6

Message  FICON-6-PDCM_CHANGE: VSAN [dec] port-address [dec] prohibit mask set to [chars]

Explanation  The FICON Prohibit Dynamic Connectivity Mask (PDCM) for this port has changed. VSAN [dec], port address [dec] prohibit mask (PDCM) is now set to [chars]

Recommended Action  No action is required.

Message  FICON-6-PORT_SWAP: port number [dec] [dec] swapped

Explanation  FICON port numbers swapped

Recommended Action  No action is required.

Message  FICON-6-VSAN_DISABLED: FICON disabled on VSAN [dec]

Explanation  FICON has been disabled on the given VSAN

Recommended Action  No action is required.

Message  FICON-6-VSAN_ENABLED: FICON enabled on VSAN [dec]

Explanation  FICON has been enabled on the given VSAN

Recommended Action  No action is required.

FIPSM Messages

This section contains the FIPSM messages.
FIPSM-5

**Message** FIPSM-5-SPLITTER_DISABLED: SPLITTER Disabled

**Explanation** SPLITTER Service Disabled

**Recommended Action** No action is required.

**Message** FIPSM-5-SPLITTER_ENABLED: SPLITTER Enabled

**Explanation** SPLITTER Service enabled

**Recommended Action** No action is required.

**FIPS Messages**

This section contains the FIPS messages.

**FIPS-0**

**Message** FIPS-0-FIPS_POST_CLEANUP_FAILED: Error cleaning up keys in FIPS mode: [chars]

**Explanation** FIPS cleanup failed [chars]

**Recommended Action** No action is required.

**Message** FIPS-0-SET_FIPS_MODE_FAILED: Error when setting FIPS mode: [chars]

**Explanation** FIPS mode failed [chars]

**Recommended Action** No action is required.

**FIPS-6**

**Message** FIPS-6-SET_FIPS_MODE: FIPS mode is [chars] for service [chars]

**Explanation** FIPS mode is changed [chars] [chars]

**Recommended Action** No action is required.

**FLN_EM Messages**

This section contains the FLN_EM messages.
FLN_EM-6

Message  FLN_EM-6-FLN_EM_DEBUG_MSG: [chars]
Explanation Debug log message
Recommended Action No action is required.

FLN_FCP Messages

This section contains the FLN_FCP messages.

FLN_FCP-6

Message  FLN_FCP-6-FLN_FCP_DEBUG_MSG: [chars]
Explanation Debug log message
Recommended Action No action is required.

FLN_FCP-SLOT#-2

Message  FLN_FCP-SLOT#-2-FLN_PIB_TCAM_RESOURCE_EXHAUSTION: FIB TCAM exhausted for [chars] on instance [dec]
Explanation The TCAM device in the L3 forwarding ASIC has reached its system limits.
Recommended Action No action is required.

FLN_FCP-SLOT#-3

Message  FLN_FCP-SLOT#-3-FLN_PIB_URPF_RESOURCE_EXHAUSTION: uRPF memory exhausted - Failed to add uRPF interface(s) on instance [dec]
Explanation The URPF memory in the L3 forwarding ASIC has reached its system limits.
Recommended Action No action is required.
Message  FLN_FCP-SLOT#-4-FLN_FIB_ADJ_EXHAUSTED: Adjacency allocation failed on instance [dec]

Explanation Failed to allocate an adjacency. Adjacency memory could have been exhausted

Recommended Action No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_LSMET_EXHAUSTED: ls-met entry allocation from [chars] failed on instance [dec]

Explanation Failed to allocate a ls-met entry. LS-MET table region for this entry could have been exhausted

Recommended Action No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_MCASTMET_EXHAUSTED: Met entry allocation from [chars] failed on instance [dec]

Explanation Failed to allocate a multicast met entry. Met table region for this entry could have been exhausted

Recommended Action No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_MCAST_OIFLIST_INSERT_FAIL: oiflist insertion failed [chars]

Explanation L3 oiflist insertion failed because Max supported l3 oiflist size is 4k

Recommended Action No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_MDT_EXHAUSTED: mdt entry allocation from [chars] failed on instance [dec]

Explanation Failed to allocate a MDT entry. MDT table region for this entry could have been exhausted

Recommended Action No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_TCAM_AF_INSERT_FAIL: FIB TCAM prefix insertion failed for [chars] on instance [dec]

Explanation The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization above threshold.

Recommended Action No action is required.
Message  FLN_FCP-SLOT#-4-FLN_FIB_TCAM_PF_INSERT_FAIL: FIB TCAM prefix insertion failed for [chars] on instance [dec]

Explanation  The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization below threshold.

Recommended Action  No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_TCAMRESOURCE_EXCEP_CLRD: FIB TCAM resource usage exception cleared for [chars] on instance [dec]

Explanation  The TCAM device in the L3 forwarding ASIC is within system limits.

Recommended Action  No action is required.

Message  FLN_FCP-SLOT#-4-FLN_FIB_TCAMRESOURCE_WARNING: FIB TCAM usage is at [dec] percent for [chars] on instance [dec]

Explanation  The TCAM device in the L3 forwarding ASIC is reaching its system limits.

Recommended Action  No action is required.

FLN_FWD_USD Messages

This section contains the FLN_FWD_USD messages.

FLN_FWD_USD-2

Message  FLN_FWD_USD-2-CRIT_MSG: [chars]

Explanation  Critical log message

Recommended Action  No action is required.

FLN_FWD_USD-6

Message  FLN_FWD_USD-6-FLN_FWD_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

FLN_L3 Messages

This section contains the FLN_L3 messages.
FLN_L3-6

Message  FLN_L3-6-FLN_L3_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

FLN_QUE Messages

This section contains the FLN_QUE messages.

FLN_QUE-6

Message  FLN_QUE-6-FLN_QUE_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

FLN_XBAR Messages

This section contains the FLN_XBAR messages.

FLN_XBAR-2

Message  FLN_XBAR-2-FLN_XBAR_FR_CRC: [chars]
Explanation  Flanker received packets with CRC error from fabric
Recommended Action  No action is required.

FLN_XBAR-6

Message  FLN_XBAR-6-FLN_XBAR_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.
FLOGI Messages

This section contains the FLOGI messages.

FLOGI-1

Message  FLOGI-1-MSG_FDISC_REJECT_TOO_MANY_LOGINS: [VSAN [dec], Interface [chars]]
FDISC rejected - this interface has reached the max num of N-Ports ([dec])

Explanation  An FDISC was rejected because the F-Port has reached the maximum allowed number of devices.

Recommended Action  Check the configuration of the NPIV device connected to the port.

Message  FLOGI-1-MSG_FLOGI_REJECT_TOO_MANY_LOGINS: [VSAN [dec], Interface [chars]]
FLOGI rejected - this interface has reached the max num of NL-Ports ([dec])

Explanation  An FLOGI was rejected because the FL-Port has reached the maximum allowed number of devices.

Recommended Action  Reduce the number of devices on the loop.

Message  FLOGI-1-MSG_NPIV_NOT_SUPPORTED_WITH_TRUNKING: [VSAN [dec], Interface [chars]]
NPIV not supported - on this platform, NPIV is not supported on trunking interfaces

Explanation  The N_Port requested NPIV, but this platform does not support NPIV on trunking F_Ports.

Recommended Action  Disable NPIV, or move the N_Port to a switch that supports NPIV on trunking F_Ports

FLOGI-2

Message  FLOGI-2-MSG_FLOGI_REJECT_NO_ACL_TCAM_AVAILABLE: [VSAN [dec], Interface [chars]]
FLOGI rejected - ACLTCAM resource exhausted

Explanation  An FLOGI was rejected because the ACLTCAM hardware resource is completely used.

Recommended Action  Reduce the number of nodes.

Message  FLOGI-2-INTERFACE_LOGIN_LIMIT: Total number of flogis <> on the interface fc2/25 has reached/exceeded the limit

Explanation  The number of FLOGI logins on an interface has reached or exceeded the specified limit.

Recommended Action  Reduce or redirect the FLOGIs.
Message  FLOGI-2-MODULELOGINLIMIT: Total number of flogis < > in module 1 has reached/exceeded the limit

Explanation  The number of FLOGI logins on a director-class module has reached or exceeded the specified limit.

Recommended Action  Reduce or redirect the FLOGIs.

Message  FLOGI-2-SWITCHLOGINLIMIT: Total number of flogis < >on the switch has reached/exceeded the limit

Explanation  The number of FLOGI logins on a switch has reached or exceeded the specified limit.

Recommended Action  Reduce or redirect the FLOGIs.

FLOGI-4

Message  FLOGI-4-MSG_VF_FLOGI_FROM_NON_CISCO_OUI: [VSAN [dec], Interface [chars]] FLOGI with VF bit set from OUI [hex]:[hex]:[hex] (nwwn: [chars])

Explanation  This interface received an FLOGI with VF bit set from a non CISCO OUI; in this release Virtual Fabrics are not supported on interfaces connected to third-party devices

Recommended Action  Set the trunk mode of this interface to off

FLOGI-5

Message  FLOGI-5-MSG_FLOGIDROPPED_DUE_TO_SUSPENDED_VSAN: [VSAN [dec], Interface [chars]] FLOGI (pwwn: [chars]) has been dropped because the VSAN is suspended on this trunking interface

Explanation  The switch received an FLOGI from a trunking interface on a VSAN which has been suspended; the FLOGI frame has been dropped.

Recommended Action  To bring up the VSAN again on the trunking port, remove it from the allowed VSAN list and add it again

Message  FLOGI-5-MSG_FLOGI_DUPLICATE_PWWN: [VSAN [dec], Interface [chars]] FLOGI (pwwn: [chars]) has been dropped because the host has a duplicate WWPN

Explanation  The switch received an FLOGI from the interface, which has a duplicate PWWN value.

Recommended Action  No action is required.
**Message**  FLOGI-5-MSG_IF_REINIT_ALPA_CONFLICT: [VSAN [dec], Interface [chars]] FL/TL interface [chars] re-initialized as ALPA - PWWN map conflict occurred.

**Explanation**  The FL/TL interface is re-initialized as ALPA used by device conflicts with an existing FLOGI session after the Loop Initialization Protocol (LIP). All the devices will re-login with new ALPA and PWWN mapping

**Recommended Action**  No action is required.

**Message**  FLOGI-5-MSG_PORT_LOGGED_IN: [VSAN [dec], Interface [chars]] Nx Port [chars] with FCID [chars] logged IN.

**Explanation**  Nx port logged in with the specified information.

**Recommended Action**  No action is required.

**Message**  FLOGI-5-MSG_PORT_LOGGED_OUT: [VSAN [dec], Interface [chars]] Nx Port [chars] logged OUT.

**Explanation**  Nx port logged out. The following commands will help determine why this Nx port logged out: `show interface, show VSAN, show module`

**Recommended Action**  No action is required.

**FLOGI_REJECTED_DUPLICATE_PWWN_IN_FABRIC**

**Message**  FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because name server detected duplicate PWWN in the fabric.

**Explanation**  The switch received an FLOGI/FDISC which has a PWWN value that is already logged in the fabric.

**Recommended Action**  Run the `show fcns database detail vsan vsan_id` command to determine where the device is already logged into the fabric. Retry the FLOGI/FDISC after the device logs out of the fabric.

**FLOGI_REJECTED_DUE_TO_SERVICE_TIMEOUT**

**Message**  FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because [chars] service failed to respond to the request.

**Explanation**  The switch received an FLOGI/FDISC which could not be processed in time because system was busy.

**Recommended Action**  Retry the FLOGI/FDISC after the system load has reduced.
FLOGI_REJECTED_DUPLICATE_PWWN_ON SWITCH

**Message** FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because it is already logged in to this switch on [chars]

**Explanation** The switch received an FLOGI/FDISC from a device which had already logged in to this switch on a different interface.

**Recommended Action** The device is implicitly logged out and the FLOGI_IMPLICIT_DEVICE_LOGOUT syslog message is generated. If the device retries to log in, the FLOGI/FDISC should succeed.

FLOGI_IMPLICIT_DEVICE_LOGOUT

**Message** FLOGI/FDISC from PWWN [chars] has been logged out from [chars] because it tried to login on [chars]

**Explanation** The switch implicitly logged out a device because it tried to login on a different interface without logging out first.

**Recommended Action** Retry the FLOGI/FDISC. This syslog message is generated along with the FLOGI_REJECTED_DUPLICATE_PWWN_ON SWITCH syslog message.

FLOGI_ON_FPORT_CHANNEL_MEMBER

**Message** FLOGI from PWWN [chars] has been dropped because it was received on F[chars] member [chars]

**Explanation** The FLOGI request has been dropped because it was received on an fport-channel member interface when the f-port channel is already up. Only one FLOGI is allowed on an f-port channel from the first member.

**Recommended Action** Remove the member from the port-channel on the local switch or add the member to the port-channel on the remote switch.

FS-DAEMON Messages

This section contains the FS-DAEMON messages.
FS-DAEMON-2

**Message**  FS-DAEMON-2-FSD_ENOSPC_BOOTFLASH: Due to insufficient space, [chars] image could not be copied to standby bootflash. [chars] image is not present on standby. Please copy '[chars]' manually.'

**Explanation**  Move system images from RAM to bootflash to free up some memory

**Recommended Action**  Please remove some unnecessary files on bootflash using delete command and copy images from active supervisor or from remote location.

FS-DAEMON-6

**Message**  FS-DAEMON-6-FSD_ENOSPC_LOGFLASH: System logflash usage has reached [dec]%.

**Explanation**  System logflash space is almost full

**Recommended Action**  Use 'clear core archived' or 'delete' CLI to free up space on logflash.

**Message**  FS-DAEMON-6-FSD_ENOSPC_ROOT: System root usage has reached [dec]%. You may delete some old files from root or /var/log to free up space

**Explanation**  System root space is almost full

**Recommended Action**  Use 'clear core archived' or 'delete' CLI to free up space on root dir or /var/log

**Message**  FS-DAEMON-6-FSD_ENOSPC_TMP: System temporary directory usage has reached [dec]%. System /tmp space usage.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  FS-DAEMON-6-FSD_REEXPORT_NFS: Re-exported NFS mounts

**Explanation**  Exported NFS mounts are not visible in kernel and had to be reexported

**Recommended Action**  Please use 'show system internal flash' to make sure there are no Stale NFS handles'

FSCM Messages

This section contains the FSCM messages.
FSCM-2

**Message**  FSCM-2-FABRIC_START_CFG_MGR_PROGRAM_EXIT: Fabric Start Cfg Mgr daemon exiting: [chars]

**Explanation**  FABRIC_START_CFG_MGR daemon is exiting.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FSPF Messages

This section contains the FSPF messages.

FSPF-2

**Message**  FSPF-2-SHUTDOWN: Routing daemon shutting down: [chars]

**Explanation**  FSPF routing daemon is shutting down because of [chars] reason.

**Recommended Action**  This is a severe bug. Provide the reason provided and the log files for FSPF.

FSPF-2

**Message**  FSPF-3-BAD_FC2_PKT: Received bad FC2 packet on interface [chars] : [chars]

**Explanation**  FSPF received a bad FC2 packet on [chars] interface, error description is [chars].

**Recommended Action**  FSPF daemon has received a bad FC frame. Provide the output of 'debug fc2 pkt'.

**Message**  FSPF-3-CHECKSUM_FAIL: Checksum test failed for LSR domain [dec]

**Explanation**  Periodic database checksum test failed for LSR for domain [dec]

**Recommended Action**  This indicates that the internal database got corrupted because of some memory corruption bug. Provide output of 'show fspf database'. May need to power cycle the switch

**Message**  FSPF-3-FC2_PROC_ERR: Error in processing [chars] packet on interface [chars], Error = [chars]

**Explanation**  An error occurred in processing a [chars] FC2 packet on [chars] interface. The internal error code is [chars].

**Recommended Action**  Turn on 'debug fspf error' to get more information. Make sure there is no misconfiguration of FSPF parameters on the two ends of the interface. Provide output of 'show fspf vsan x' 'show fspf vsan x interface' and 'debug fspf fc pkt ' for the specific interface
Message  FSPF-3-FLOOD_ERR: Error in flooding the local LSR, Error = [chars]

Explanation  FSPF had an error in flooding the local LSR, error description is [chars].

Recommended Action  Provide output of 'debug fspf flood', 'debug fspf error'. If error is reported in transmitting packet check if interface is up and turn on 'debug fc2 error'

Message  FSPF-3-HELLO_MISMATCH: Mismatch in [chars] in the Hello packet on interface [chars]

Explanation  There is a mismatch in the [chars] entry in the hello packet received on interface [chars]. The packet will be dropped.

Recommended Action  Check the configuration of hello or dead interval on the switches on the two ends of the interface to see if there is a mismatch.

Message  FSPF-3-INTF_TIMER_ERR: Error in processing interface timer event [chars] for interface [chars], error = [chars]

Explanation  FSPF had an error in processing timer event for interface chars, error is [chars].

Recommended Action  Provide output of 'debug fspf error'

Message  FSPF-3-IPC_PROC_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

Explanation  FSPF had an error in processing message of [dec] opcode, the internal error code is [dec].

Recommended Action  Possibly some wrong IPC message is received by FSPF. Provide output of 'debug fspf mts pkt' and 'debug fspf error' trace.

Message  FSPF-3-LOCK_FAIL: FSPF failure in gaining lock

Explanation  There is a software failure in gaining lock of the shared resource between FSPF threads.

Recommended Action  Provide output of 'debug fspf all'

Message  FSPF-3-MTS_MSG_BEFORE_GSYNC: FSPF in standby received MTS message opcode = [hex] before GSYNC

Explanation  FSPF in standby received an MTS message of opcode [dec] before receiving the GSYNC message.

Recommended Action  Provide output of 'debug fspf mts pkt'
Message  FSPF-3-RIB_ERR: Error in RIB: [chars]

Explanation  FSPF had an error in interacting with RIB, error description is [chars].

Recommended Action  Check if rib application is running using 'show processes'. Provide output of 'debug fs pf route' and RIB debug traces.

Message  FSPF-3-ROUTE_COMPUTE_ERR: Error in computing or sending routes: Error = [chars]

Explanation  FSPF had an error in computing routes, error description is [chars].

Recommended Action  Provide the error code and output of 'debug fs pf error' and 'debug fs pf route' if problem is reproducible

Message  FSPF-3-UNLOCK_FAIL: FSPF failure in releasing lock

Explanation  There is a software failure in releasing lock of the shared resource between FSPF threads.

Recommended Action  Provide output of 'debug fs pf all '

Message  FSPF-3-VSAN_TIMER_ERR: Error in processing VSAN timer event [chars], error description = [chars]

Explanation  FSPF had an internal error in processing timer event, error description is [chars].

Recommended Action  Provide output of 'debug fs pf error'

FSPF-4

Message  FSPF-4-FC2_DOWN_INTF: Received FC2 packet on DOWN interface [chars]

Explanation  FSPF received a FC2 packet on inactive interface [chars].

Recommended Action  This message may be printed for the first FSPF packet when an interface is brought up. If the message is seen continuously check if FSPF is disabled on one end for the interface or the VSAN. Otherwise check 'show interface ' output to see if interface is physically up only on one side. Also check if there is any Message printed for IPC_PROC_ERR

Message  FSPF-4-FC2_DOWN_VSAN: Received FC2 packet on inactive vsan

Explanation  FSPF received a FC2 packet on inactive vsan.

Recommended Action  If message seen continuously check if FSPF is disabled on the VSAN Investigate if VSAN is active and valid domain has been assigned on the switch Also check if IPC_PROC_ERR message is printed in the syslog
Message  FSPF-4-ILLEGAL_FSM_EVENT: Illegal FSM event for state [chars] in interface [chars]

Explanation  An illegal protocol event has occurred for the FSPF state machine. The old state was [chars] for the interface [chars].

Recommended Action  It is possible to get this message if some protocol packet gets dropped but the it should recover and move back to FULL state. Do 'show fspf interface' to check the state of the interface. If it is stuck in state other than FULL provide output of 'debug fspf event' and 'debug fspf fc pkt' for the interfaces involved.

Message  FSPF-4-LSR_DROPPED: [chars], Dropping LSR [dec] received on interface [chars]

Explanation  A LSR packet is dropped due to [chars] reason. LSR belonged to domain [dec] and was received on interface [chars].

Recommended Action  Provide the reason given for dropping the LSR and output of 'debug fspf fc pkt' If the reason is checksum failure investigate possible packet corruption or truncation

Message  FSPF-4-LSR_MIN_LS_ARRIVAL: Packet arrived before MIN_LS_ARRIVAL, Dropping LSR [dec] on interface [chars]

Explanation  A LSR packet is dropped as it arrived before MIN_LS_ARRIVAL. LSR belonged to domain [dec] and was received on interface [chars].

Recommended Action  This can occur in transient situation and protocol recovers by retransmitting the LSR. If the message is seen continuously provide output of 'debug fspf flood', 'debug fspf retrans' and 'debug fspf error'. The message may be seen more often when inter operating with other vendors

Message  FSPF-4-LSU_RX_INIT: Dropping LSU received in state INIT on interface [chars]

Explanation  A LSU packet is dropped as interface [char] is in INIT state when it received the LSU.

Recommended Action  This can occur in some transient situation. If the problem persists provide output of 'show fspf vsan x interface' and 'debug fspf fc pkt' and 'debug fspf event vsan x'

FSPF-5

Message  FSPF-5-STARTING: Routing daemon started

Explanation  FSPF routing daemon has been started.

Recommended Action  No action is required.
FSPF-6

Message  FSPF-6-ADD_LSR: New LSR added for domain [dec]

Explanation  A new LSR is added to the database for domain [dec].

Recommended Action  No action is required.

Message  FSPF-6-DELETE_LSR: LSR deleted for domain [dec]

Explanation  The LSR for domain [dec] is deleted from the database.

Recommended Action  No action is required.

Message  FSPF-6-INTF_OPER_DOWN: Down on interface [chars]

Explanation  FSPF has become operationally down on interface [chars].

Recommended Action  No action is required.

Message  FSPF-6-INTF_OPER_UP: Up on interface [chars]

Explanation  FSPF has become operational on interface [chars].

Recommended Action  No action is required.

Message  FSPF-6-MAX_AGE: LSR [dec] reached Maxage

Explanation  The LSR for domain [dec] reached the maximum age and will be deleted from all the connected switches.

Recommended Action  No action is required.

Message  FSPF-6-ROLLOVER: Rolling over the incarnation number of Local LSR

Explanation  The incarnation number of local LSR reached the maximum value and is rolling over.

Recommended Action  No action is required.

Message  FSPF-6-SELF_ORIGINATED: Received local LSR with higher incarnation number

Explanation  A LSR for the local domain was received with incarnation number higher than the one in database. This situation should only occur initially on a topology change. If this situation persists the domain assignment of switches may not be unique.

Recommended Action  If this message is received continuously check if domain assignment is unique in the fabric.
Message 
FSPF-6-STATE_CREATED: Internal state created [chars]

Explanation 
FSPF has created its internal state stateless/stateful [chars].

Recommended Action 
No action is required.

Message 
FSPF-6-VSAN_OPER_DOWN: Down on vsan

Explanation 
FSPF has become operationally down on VSAN.

Recommended Action 
No action is required.

Message 
FSPF-6-VSAN_OPER_UP: Up with local domain [dec]

Explanation 
FSPF has started with local domain [dec].

Recommended Action 
No action is required.

FSPF-7

Message 
FSPF-7-ROUTE_THREAD_STARTED: Thread number [dec] started

Explanation 
Route computation thread number [dec] has been started for FSPF.

Recommended Action 
No action is required.

FVP Messages

This section contains the FVP messages.

FVP-2

Message 
FVP-2-GENERAL_ERROR: [chars]

Explanation 
The FVP Manager has encountered a critical error. The description of error is [str.]

Recommended Action 
No action is required.

Message 
FVP-2-MALLOC_ERROR: Size [dec] bytes

Explanation 
The FVP Manager could not allocate memory.

Recommended Action 
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message FVP-2-PSS_BKP_PSS_MISMATCH: Block [dec]: PSS: Not Free; BKPLN PROM: Free

Explanation This FVP Manager detected a discrepancy between the information on the chassis and that in its persistent information databases. The persistent information database has been updated with the information on the chassis.

Recommended Action No action is required.

Message FVP-2-PSS_ERROR: [chars]

Explanation The FVP Manager encountered error while operating on a persistent storage database.

Recommended Action No action is required.

FVP-3

Message FVP-3-FVPD_PSS_CORRUPTED: [chars] PSS found corrupted

Explanation The FVP Manager has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action No action is required.

Message FVP-3-PSS_SYNC_TO_STNDBY_FAILED: PSS TYPE=[chars] KEY=[chars]

Explanation Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[str] Key=[Str.]

Recommended Action No action is required.

Message FVP-3-RELEASE_ERR_FREE: Already free FVP [chars]

Explanation A client of FVP Manager attempted to remove a FVP [char] which is not present. This information is for debugging only.

Recommended Action No action is required.

Message FVP-3-RELEASE_ERR_UNKNOWN: Unknown FVP [chars]

Explanation FVP Manager received a request to release a FVP [char] that could not have been allocated by this FVP Manager.

Recommended Action No action is required.

Message FVP-3-RELEASE_ERR: Cant Rel. FVP [chars]

Explanation FVP Manager received a request to remove a FVP that cannot be removed.

Recommended Action No action is required.
Message  FVP-3-TOOMANY_REQ_REL: FVPs [chars] = [dec]

Explanation  The FVP Manager received a request to allocate [dec] more than the maximum number of FVPs that can be allocated/released in a single request.

Recommended Action  No action is required.


Explanation  The FVP Manager has received an unknown message from [dec].[dec] with opcod [dec]. This information is for debugging only.

Recommended Action  No action is required.

FVP-4

Message  FVP-4-EXITING: Exited due to [chars]

Explanation  The FVP Manager process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action  No action is required.

Message  FVP-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]

Explanation  There was a version mismatch between the FVP Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action  No action is required.

FVP-6

Message  FVP-6-BECAME_ACTIVE: Became ACTIVE from standby mode

Explanation  The FVP Manager on the standby supervisor became active and it is ready to serve client requests for FVPs.

Recommended Action  No action is required.

Message  FVP-6-BECAME_STDBY: Became STANDBY from active mode

Explanation  The FVP Manager became standby from active mode.

Recommended Action  No action is required.
Message  FVP-6-CREATED_FV_PORT: ifIndex: [dec]

Explanation  The FVP Manager has created a new fv port with ifIndex= [dec].

Recommended Action  No action is required.

Message  FVP-6-EXCESSIVE_DELAY: [chars]

Explanation  Excessive time taken for a processing event. The description of the event is [str.]

Recommended Action  No action is required.

Message  FVP-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

Explanation  The FVP Manager was unable to send heartbeat to the system manager

Recommended Action  No action is required.

Message  FVP-6-GENERAL_EVENT: [chars]

Explanation  The FVP Manager has generated an important event. The description of the event is [str.]

Recommended Action  No action is required.

Message  FVP-6-PSS_CREATED: [chars] PSS Created

Explanation  One of the persistent information database OS FVP Manager has been recreated

Recommended Action  No action is required.

Message  FVP-6-PSS_DESTROYED: [chars] PSS Destroyed

Explanation  One of the persistent information databases has been intentionally destroyed and would be recreated.

Recommended Action  No action is required.

Message  FVP-6-REMOVED_FV_PORT: IfIndex: [dec]

Explanation  The FVP Manager has removed an FV port with ifIndex= [dec].

Recommended Action  No action is required.
**Message**  FVP-6-SERVICE_UP: Initialized [chars]

**Explanation**  The FVP Manager is up and ready to accept client requests for FVPs. The service was initialized in [char] mode.

**Recommended Action**  No action is required.

**Message**  FVP-6-SWITCHOVER: Switching Over to other Sup.

**Explanation**  The FVP Manager has successfully switched over to the standby supervisor card.

**Recommended Action**  No action is required.

**FW_APP Messages**

This section contains the FW_APP messages.

**FW_APP-2**

**Message**  FW_APP-2-FIRMWARE_IMAGE_LOAD_ERROR: Firmware extraction and load error: [chars]

**Explanation**  Firmware extraction error

**Recommended Action**  Please examine show system internal firmware boot-log”

**Message**  FW_APP-2-PROC_INITFAIL: Process initialization failed due to [chars].

**Explanation**  FW_APP process has failed initialization.

**Recommended Action**  Please examine show system internal firmware event-history errors”

**FW_APP-6**

**Message**  FW_APP-6-FIRMWARE_IMAGE_LOAD_SUCCESS: [chars]

**Explanation**  Firmware extraction success

**Recommended Action**  No action is required.

**Recommended Action**

**GLBP Messages**

This section contains the GLBP messages.
GLBP-2

Message GLBP-2-GLBP_URIB_INIT_ERROR: [chars]

Explanation Unicast routing initialization failed and the GLBP process terminated

Recommended Action Please check syslog messages for URIB failures and rectify the problem

GLBP-3

Message GLBP-3-GLBP_ARP_ADD_FAILED: failed to add [chars]/[chars] in arp table

Explanation The system was unable to add the GLBP vIP into the ARP table

Recommended Action Please check syslog messages for ARP failures and rectify the problem

Message GLBP-3-GLBP_ARP_DEL_FAILED: failed to delete [chars]/[chars] in arp table

Explanation The system was unable to delete the GLBP vIP from the arp table

Recommended Action Please check syslog messages for ARP failures and rectify the problem

Message GLBP-3-GLBP_FEATURE_MANAGER_ERROR: [chars]: [chars]

Explanation There was a problem in GLBP interaction with feature manager.

Recommended Action Please check the reason for error using feature manager and rectify the problem

Message GLBP-3-GLBP_IP_JOIN_GROUP_FAILED: [chars]: failed to join glbp multicast address group

Explanation The system was unable to perform a join to start receiving GLBP protocol packets.

Recommended Action Please check syslog messages for IP failures and rectify the problem

Message GLBP-3-GLBP_IP_LEAVE_GROUP_FAILED: [chars]: failed to leave glbp multicast address group

Explanation The system was unable to perform a leave to stop receiving GLBP protocol packets.

Recommended Action Please check syslog messages for IP failures and rectify the problem
Message  GLBP-3-GLBP_MAC_ADD_FAILED: fwd [dec] failed to add [chars] in mac table (error [hex])

Explanation  The system was unable to add the GLBP mac address into the mac address table

Recommended Action  Please check syslog messages for L2FM failures and rectify the problem

Message  GLBP-3-GLBP_MAC_DEL_FAILED: fwd [dec] failed to delete [chars] in mac table (error [hex])

Explanation  The system was unable to delete the GLBP mac address from the mac address table

Recommended Action  Please check syslog messages for L2FM failures and rectify the problem

Message  GLBP-3-GLBP_ROUTE_ADD_FAILED: failed to add [chars] in routing table

Explanation  The system was unable to add the GLBP vIP address into the unicast routing table

Recommended Action  Please check syslog messages for URIB failures and rectify the problem

Message  GLBP-3-GLBP_ROUTE_DEL_FAILED: failed to delete [chars] in routing table

Explanation  The system was unable to delete the GLBP vIP address from the unicast routing table

Recommended Action  Please check syslog messages for URIB failures and rectify the problem

**GLBP-4**

Message  GLBP-4-BADAUTH: Bad authentication received from [chars]

Explanation  Two routers participating in a Gateway Load Balancing Protocol group have a valid authentication string that does not match.

Recommended Action  Use the GLBP authentication interface command to repair the Gateway Load Balancing Protocol authentication discrepancy between the local system and the one whose IP address is reported

Message  GLBP-4-BADVIP1: address [chars] is in the wrong subnet for this interface

Explanation  The Gateway Load Balancing Protocol virtual IP address is not within the subnet configured on this interface.

Recommended Action  Configure the virtual IP address of Gateway Load Balancing Protocol to be within the subnet configured on this interface.
**Message**  GLBP-4-BADVIP2: address [chars] in the wrong subnet for this interface is not learned

**Explanation**  The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is not within the subnet configured on this interface.

**Recommended Action**  Check the configuration on all Gateway Load Balancing Protocol routers.

**Message**  GLBP-4-BADVIP3: address [chars] is the broadcast address for this interface

**Explanation**  The Gateway Load Balancing Protocol virtual IP address is a broadcast address for this interface.

**Recommended Action**  Configure the virtual IP address of Gateway Load Balancing Protocol to be a non broadcast address.

**Message**  GLBP-4-DIFFVIP1: active router virtual IP address [chars] is different from the locally configured virtual IP address [chars]

**Explanation**  The Gateway Load Balancing Protocol virtual IP address contained in the Hello message from the Active router is different to that configured locally.

**Recommended Action**  Check the configuration on all Gateway Load Balancing Protocol routers

**Message**  GLBP-4-DUPADDR: Duplicate address on [chars]

**Explanation**  The IP address in a Gateway Load Balancing Protocol message received on the interface is the same as the IP address of its own router. This condition may be caused by a misconfiguration or because of a malfunctioning switch.

**Recommended Action**  Check the configurations on all the Gateway Load Balancing Protocol routers, and ensure that any switches are functioning properly

**Message**  GLBP-4-DUPVIP1: address [chars] already assigned to interface [chars] grp [dec]

**Explanation**  The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to a different Gateway Load Balancing Protocol group.

**Recommended Action**  Check the configuration on all Gateway Load Balancing Protocol routers

**Message**  GLBP-4-DUPVIP2: address [chars] already assigned to this interface

**Explanation**  The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to this interface.

**Recommended Action**  Check the configuration on all Gateway Load Balancing Protocol routers.
Message GLBP-4-DUPVIP3: address [chars] already assigned to another interface [chars]

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers.

Message GLBP-4-GLBP_ARP_RESP FAILED: failed to send arp response [chars]/[chars]

Explanation The system was unable to send the ARP response for vIP

Recommended Action Please check syslog messages for ARP failures and rectify the problem

GLBP-5

Message GLBP-5-ACTIVE_CHANGE: Active gateway is [chars]

Explanation The Gateway Load Balancing Protocol has changed active gateway.

Recommended Action No action is required

Message GLBP-5-FWDSTATECHANGE: fwd [dec] state changed from [chars] to [chars]

Explanation The Gateway Load Balancing Protocol forwarder has changed state.

Recommended Action No action is required

Message GLBP-5-FWD_CREATE: fwd [dec] created

Explanation The Gateway Load Balancing Protocol forwarder has been created.

Recommended Action No action is required

Message GLBP-5-FWD_DELETE: fwd [dec] deleted

Explanation The Gateway Load Balancing Protocol forwarder has been removed.

Recommended Action No action is required

Message GLBP-5-FWD_OWNER: fwd [dec] owner mac is [chars]

Explanation The Gateway Load Balancing Protocol forwarder has changed the owner MAC address.

Recommended Action No action is required
Message GLBP-5-FWD_VMAC: fwd [dec] virtual mac is [chars]
Explanation The Gateway Load Balancing Protocol forwarder has changed the virtual MAC address.
Recommended Action No action is required

Message GLBP-5-FWD_WEIGHTING: fwd [dec] weighting is [dec]
Explanation The Gateway Load Balancing Protocol forwarder has changed the weighting.
Recommended Action No action is required

Message GLBP-5-GRPSTATECHANGE: state changed from [chars] to [chars]
Explanation The Gateway Load Balancing Protocol gateway has changed state.
Recommended Action No action is required

Message GLBP-5-MEMBER_ADD: member [chars] [chars] added
Explanation The Gateway Load Balancing Protocol gateway has added a member.
Recommended Action No action is required

Message GLBP-5-MEMBER_REMOVE: member [chars] [chars] removed
Explanation The Gateway Load Balancing Protocol gateway has removed a member.
Recommended Action No action is required

Message GLBP-5-PRIORITY: [chars] gateway priority changed to [dec]
Explanation The Gateway Load Balancing Protocol gateway has changed priority.
Recommended Action No action is required

Message GLBP-5-STANDBY_CHANGE: Standby gateway is [chars]
Explanation The Gateway Load Balancing Protocol has changed standby gateway.
Recommended Action No action is required

Message GLBP-5-TIMER: [chars] timer changed to [chars]
Explanation The Gateway Load Balancing Protocol gateway has learnt timers.
Recommended Action No action is required
Message  GLBP-5-VIPLEARN: learnt virtual ip address [chars]
Explanation  The Gateway Load Balancing Protocol gateway has learnt virtual IP address.
Recommended Action  No action is required

Message  GLBP-5-VIPUNLEARN: unlearnt virtual ip address [chars]
Explanation  The Gateway Load Balancing Protocol gateway has unlearnt virtual IP address.
Recommended Action  No action is required

Message  GLBP-5-WEIGHTING: weighting changed to [dec]
Explanation  The Gateway Load Balancing Protocol gateway has changed the weighting.
Recommended Action  No action is required

**HSRP_ENGINE Messages**

This section contains the HSRP_ENGINE messages.

**HSRP_ENGINE-3**

Message  HSRP_ENGINE-3-BFD_GLOBAL_SESSION_REMOVAL_ERROR: Failed to remove all the HSRP-BFD sessions ([hex] [hex]), Refer logs
Explanation  Refer logs for more details
Recommended Action  No action is required.

Message  HSRP_ENGINE-3-BFD_IF_SESSION_REMOVAL_ERROR: Failed to remove few HSRP-BFD sessions ([hex] [hex]), Refer logs
Explanation  Refer logs for more details.
Recommended Action  No action is required.

Message  HSRP_ENGINE-3-BFD_SESSION_ADD_ERROR: Failed to add few HSRP-BFD sessions ([hex] [hex]), Refer logs
Explanation  Refer logs for more details.
Recommended Action  No action is required.
Message  HSRP_ENGINE-3-BFD_SESSION_CREATION_ERROR: Failed to create BFD session information ([hex] [hex]), Refer logs

Explanation  Refer logs for more details.

Recommended Action  No action is required.

Message  HSRP_ENGINE-3-BFD_SESSION_REMOVAL_ERROR: Failed to remove few HSRP-BFD sessions ([hex] [hex]), Refer logs

Explanation  Refer logs for more details.

Recommended Action  No action is required.

Message  HSRP_ENGINE-3-ERROR_IN_ADD_VIP_TO_U6RIB: Failed to Add VIP [chars] to U6RIB (errno [hex]), Refer logs

Explanation  Refer logs for more details.

Recommended Action  No action is required.

Message  HSRP_ENGINE-3-ERROR_IN_DEL_VIP_FROM_U6RIB: Failed to delete VIP [chars] from U6RIB (errno [hex]), Refer logs

Explanation  Refer logs for more details.

Recommended Action  No action is required.

Message  HSRP_ENGINE-3-NOSOCKET: Unable to open socket

Explanation  The system was unable to initialize an IP connection for the Hot Standby protocol.

Recommended Action  Make sure that there is at least one interface configured to run IP.

HSRP_ENGINE-4

Message  HSRP_ENGINE-4-BADAUTH2: Bad authentication from [chars]

Explanation  Two routers participating in HSRP disagree on the valid authentication string.

Recommended Action  Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.
Message  HSRP_ENGINE-4-BADAUTH: Bad authentication from [chars], group [dec], remote state [chars]

Explanation Two routers participating in HSRP disagree on the valid authentication string.

Recommended Action Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

Message  HSRP_ENGINE-4-DIFFVIP1: [chars] Grp [dec] active routers virtual IP address [chars] is different to the locally configured address [chars]

Explanation The HSRP virtual IP address contained in the Hello message from the Active router is different to that configured locally.

Recommended Action Check the configuration on all HSRP routers.

Message  HSRP_ENGINE-4-DUPADDR: Duplicate address %i on [chars], sourced by %e

Explanation The IP address in an HSRP message received on the interface is the same as the routers own IP address. This may be because of misconfiguration, or because of a malfunctioning switch.

Recommended Action Check the configurations on all the HSRP routers, and make sure that any switches you have are functioning properly.

Message  HSRP_ENGINE-4-DUPVIP1: [chars] Grp [dec] address [chars] is already assigned to a HSRP group on this interface

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different HSRP group.

Recommended Action Check the configuration on all HSRP routers.

Message  HSRP_ENGINE-4-DUPVIP2: [chars] Grp [dec] address [chars] is already assigned on this interface

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.

Recommended Action Check the configuration on all HSRP routers.

Message  HSRP_ENGINE-4-DUPVIP3: [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Check the configuration on all HSRP routers.
HSRP_ENGINE-5

Message  HSRP_ENGINE-5-ACTIVEROUTERPRIORITY: Interface [chars] [chars] Grp [dec] Active router priority changed to [dec]

Explanation  The priority of the Active router for the group has changed.

Recommended Action  No action is required.

Message  HSRP_ENGINE-5-ACTIVE_CHANGE: Interface [chars] [chars] Grp [dec] Active router is [chars]

Explanation  The Active router for the group has changed.

Recommended Action  No action is required.


Explanation  The local router has generate virtual ip address

Recommended Action  No action is required.


Explanation  The HSRP router has changed state

Recommended Action  No action is required.

Message  HSRP_ENGINE-5-MACADDRESS_CHANGE: Interface [chars] [chars] Grp [dec] mac-address changed to [chars]

Explanation  The mac address of the group has changed.

Recommended Action  No action is required.

Message  HSRP_ENGINE-5-PRIORITY: Interface [chars] [chars] Grp [dec] priority changed to [dec]

Explanation  The current priority of the HSRP group has changed.

Recommended Action  No action is required.
Message  HSRP_ENGINE-5-STANDBYROUTERPRIORITYCHANGE: Interface [chars] [chars] Grp [dec] Standby router priority changed to [dec]

Explanation  The priority of the Standby router for the group has changed.

Recommended Action  No action is required.

Message  HSRP_ENGINE-5-STANDBY_CHANGE: Interface [chars] [chars] Grp [dec] Standby router is [chars]

Explanation  The Standby router for the group has changed.

Recommended Action  No action is required.

Message  HSRP_ENGINE-5-TIMER: Interface [chars] [chars] Grp [dec] [chars] timer changed to [dec] [chars]

Explanation  The hello/hold timer value for the HSRP group has changed

Recommended Action  No action is required.

Message  HSRP_ENGINE-5-VIPLEARN: Interface [chars] [chars] Grp [dec] learnt virtual ip address [chars]

Explanation  The local router has learnt virtual ip address from the incoming HSRP packet.

Recommended Action  No action is required.

HSRP_ENGINE-6

Message  HSRP_ENGINE-6-STATECHANGE2: [chars] [chars] Grp [dec] state moving from [chars]

Explanation  The router has changed state

Recommended Action  No action is required.

Message  HSRP_ENGINE-6-STATECHANGE: [chars] [chars] Grp [dec] state move to [chars]

Explanation  The router has changed state

Recommended Action  No action is required.

IDEHSD Messages

This section contains the IDEHSD messages.
IDEHSD-1

**Message**  IDEHSD-1-MANUAL_FORMAT: logflash needs to be formatted

**Explanation**  Logflash is not accessible; use format logflash: to format it

**Recommended Action**  No action is required.

IDEHSD-2

**Message**  IDEHSD-2-AUTO_FORMAT: logflash auto-format [chars]

**Explanation**  Logflash auto-format event

**Recommended Action**  No action is required.

**Message**  IDEHSD-2-DISK_BUSY_FAILED: Cannot unmount [chars],

**Explanation**  The specified disk interface is in use. It can not be unmounted. The user may experience file system corruption

**Recommended Action**  Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

**Message**  IDEHSD-2-DISK_FSCK_FAIL: file system check returned error on slot [dec]

**Explanation**  Flash file system may be corrupted, the flash was taken while it was being accessed

**Recommended Action**  Reform at the external flash

**Message**  IDEHSD-2-DISK_MOUNT_FAIL: disk mount unsuccessful on [chars]

**Explanation**  Unknown flash filesystem or not cleanly unmounted.

**Recommended Action**  Use vfat flash only and make sure external slot is not being accessed then re-insert flash

**Message**  IDEHSD-2-DISK_RESCAN_FAIL: disk rescan unsuccessful on [chars]

**Explanation**  Flash filesystem was not cleanly unmounted

**Recommended Action**  Make sure external slot is not being accessed and re-inset the flash
Message IDEHSD-2-DISK_UMOUNT_FAIL: disk umount unsuccessful for [chars]

Explanation   Flash filesystem is busy the system could not unmount it

Recommended Action  Make sure external slot is not being accessed and re-inset the flash

Message IDEHSD-2-FORK: fork failed ([chars] process)

Explanation  The flash daemon failed to fork

Recommended Action  No action is required.

Message IDEHSD-2-INTERNAL_ERROR: Internal Error [dec]

Explanation  The flash daemon interface returns error

Recommended Action  Restart the IDEHSD daemon

Message IDEHSD-2-MOUNT: [chars] online

Explanation  Flash daemon mounting slot

Recommended Action  No action is required.

Message IDEHSD-2-UMOUNT: [chars] offline

Explanation  Flash daemon un-mounting slot

Recommended Action  No action is required.

Message IDEHSD-2-USB_SWAP: USB insertion or removal detected

Explanation  USB swap event

Recommended Action  No action is required.

IDEHSD-3

Message IDEHSD-3-DEVICEOPEN_FAILED: device open failed. Component [chars]

Explanation  The flash daemon device open failed The failure is due to the sub-component [chars]

Recommended Action  No action is required.
IDEHSD-5

Message  IDEHSD-5-DISK_SWAP: [chars] [chars]
Explanation  Compact flash swap event
Recommended Action  No action is required.

IDEHSD-6

Message  IDEHSD-6-DISK_BUSY: trying to unmount disk [chars]
Explanation  Flash daemon trying to unmount busy slot
Recommended Action  No action is required.

Message  IDEHSD-6-DISK_EVENT: slot [dec] [chars]
Explanation  Flash daemon found a disk hot swap handler event
Recommended Action  No action is required.

Message  IDEHSD-6-IDEHSD_INFO: [chars]
Explanation  Flash daemon informational message
Recommended Action  No action is required.

Message  IDEHSD-6-IOCTL: ioctl: [chars] returns [dec]
Explanation  Flash daemon trying to unmount busy slot
Recommended Action  No action is required.

Message  IDEHSD-6-STARTING: daemon started
Explanation  The compact flash swap daemon successfully started
Recommended Action  No action is required.
IDEHSD-7

**Message**  IDEHSD-7-IDEHSD_TRACE: [chars] () [chars]: [dec] disk= [dec]

**Explanation**  Flash daemon debug message to trace code path

**Recommended Action**  No action is required.

IFTMC Messages

This section contains the IFTMC messages.

IFTMC-SLOT#-1

**Message**  IFTMC-SLOT#-1-IFTMC_GENERIC_ERROR: [chars]

**Explanation**  [chars]

**Recommended Action**  No action is required.

IFTMC-SLOT#-2

**Message**  IFTMC-SLOT#-2-ELTMC_INTERFACE_INTERNAL_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

**Explanation**  IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action**  No action is required.

**Message**  IFTMC-SLOT#-2-ELTMC_INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support eltm

**Explanation**  IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action**  No action is required.

**Message**  IFTMC-SLOT#-2-ELTMC_INTF_NOT_FOUND: Interface [chars] not found in IFTMC database [chars]

**Explanation**  IFTMC database doesn’t have the interface.

**Recommended Action**  No action is required.
Message IFTMC-SLOT#-2-ELTMC_INTF_NOT_SUPP: Interface [chars] not supported by IFTMC [chars]

Explanation IFTMC does not support the interface for the specified operation

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_INTF_TO_LTL: Failed to get LTL for interface [chars] return status [chars]

Explanation IFTMC Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_INTF_TO_SLOT: Failed to get slot for interface [chars] return status [chars]

Explanation IFTMC Failed to get Slot for interface. Port-channels and L2 Learning might be effected

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_INVALID_FTAG_NUM: IFTMC received INVALID Number of FTAGs in the message. [chars]

Explanation IFTMC Failed: Received INVALID Ftags

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_INTF: Failed to allocate L2 LIF entries in forwarding engine for interface [chars]

Explanation IFTMC Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface

Recommended Action No action is required.

Message IFTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_VDC: Failed to allocate L2 LIF entries in forwarding engine

Explanation IFTMC Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding in this VDC

Recommended Action No action is required.
Message  IFTMC-SLOT#-2-ELTMC_L3_INGRESS_LIF_ALLOC_FAIL_INTF: Failed to allocate L3 Ingress LIF entries in forwarding engine for interface [chars]

Explanation  IFTMC Failed to allocate L3 Ingress LIF entries in forwarding engine. This will effect Layer 3 forwarding for the interface

Recommended Action  No action is required.

Message  IFTMC-SLOT#-2-ELTMC_RSVD_VLAN: Failed to get the reserved vlans. Failed with error [chars]

Explanation  IFTMC Failed to get the reserved vlans. This will effect multicast forwarding on SVI interfaces.

Recommended Action  No action is required.

Message  IFTMC-SLOT#-2-ELTMC_VLAN_INTERNAL_ERROR: Internal error: VLAN [dec]:[chars], collect output of show tech-support eltm

Explanation  IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

Recommended Action  No action is required.

Message  IFTMC-SLOT#-2-IFTMC_BD_NULL_WARN: IFTMC BD is zero: [chars]

Explanation  IFTMC BD is zero, SVI create before vlan create

Recommended Action  No action is required.

Message  IFTMC-SLOT#-2-IFTMC_FCOE_FEATURE_REQ_FAIL: FCOE feature request for interface [chars] cannot be processed

Explanation  FCOE feature request cannot be processed with ILM sharing, failure status does not get returned to calling app. Possible ACLQOS verify/commit fail prior to this feature request.

Recommended Action  No action is required.

Message  IFTMC-SLOT#-2-IFTMC_FTAG_PROG_FAIL: Failed to program ftag list as it exceeds the platform limit [dec]

Explanation  IFTM Failed to apply ftag list on an interface

Recommended Action  No action is required.

Message  IFTMC-SLOT#-2-IFTMC_PVLAN_XLT_FAIL: Failed to apply translation table [chars]

Explanation  IFTM Failed to apply vlan translation table on an interface

Recommended Action  No action is required.
**Message**  IFTMC-SLOT#-2-IFTMC_RESALLOC_FAIL: IFTMC resource allocation failure: [chars]

**Explanation**  IFTMC failed resource allocation

**Recommended Action**  No action is required.

**Message**  IFTMC-SLOT#-2-IFTMC_RESALLOC_WARN: IFTMC resource allocation warning: [chars]

**Explanation**  IFTMC resource usage has exceeded a preset threshold

**Recommended Action**  No action is required.

**Message**  IFTMC-SLOT#-2-IFTMC_RSVD_VLAN: FEX_RESERVED_VLAN_ERR: [chars]

**Explanation**  VLAN_MGR SDB call returned FAILURE for FEX

No action is required.

### IKE Messages

This section contains the IKE messages.

#### IKE-3

**Message**  IKE-3-CRYPTO_INIT_ERROR: IKEv2 crypto init error: [chars]

**Explanation**  Crypto initialization error

**Recommended Action**  No action is required.

**Message**  IKE-3-ENABLE_ERROR: Unable to store enable flag in configuration (error-id [hex]).

**Explanation**  Service failed to store the enable flag in configuration. As a result, it will exit

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  IKE-3-FIPS_MODE_ERROR: Could not set FIPS mode

**Explanation**  The FIPS mode could not be set by IKE

**Recommended Action**  No action is required.
Message  IKE-3-IKE_PROGRAM_EXIT: [chars]
Explanation  IKE process did an abnormal exit
Recommended Action  No action is required.

Message  IKE-3-MAX_HALF_CONN_LIMIT_REACHED: IKEv1: Exceeded the limit for number of half open Phase 1 connections
Explanation  The number of half open connections has exceeded the maximum limit
Recommended Action  No action is required.

Message  IKE-3-PHASE1_NEGOTIATION_FAILED: IKEv1: Phase 1 negotiation failed for peer [chars]
Explanation  IKE policy negotiation failed for peer [chars].
Recommended Action  No action is required.

Message  IKE-3-PHASE1_PROPOSAL_MISMATCH: IKEv1: No matching phase 1 proposal found for peer [chars]
Explanation  There is a IKE policy mismatch for the peer.
Recommended Action  No action is required.

Message  IKE-3-PHASE2_NEGOTIATION_FAILED: IKEv1: Phase 2 negotiation failed for peer [chars]
Explanation  IPsec policy negotiation failed for peer [chars].
Recommended Action  No action is required.

Message  IKE-3-PHASE2_PROPOSAL_MISMATCH: IKEv1: No matching phase 2 proposal found for peer [chars]
Explanation  There is a IPsec policy mismatch for the peer.
Recommended Action  No action is required.

Message  IKE-3-UNSUPPORTED_EXCHANGE: IKEv1: Unsupported exchange [dec] received from [chars]
Explanation  A unsupported IKE exchange type [digits] was received from [chars]
Recommended Action  No action is required.
IKE-4

**Message**  IKE-4-INVALID_PAYLOAD_APPEAR: IKEv2 received message (from [chars]) with payload ([chars]) appeared in [chars]([chars])

**Explanation**  Received a payload in an inappropriate exchange

**Recommended Action**  No action is required.

**Message**  IKE-4-MESSAGE_ERROR: IKEv2 message (from [chars]) message error: [chars]

**Explanation**  Received a malformed message which does not adhere to the protocol

**Recommended Action**  No action is required.

**Message**  IKE-4-PARSING_ERROR: IKEv2 message (from [chars]) parsing error: [chars]

**Explanation**  Received a malformed message which can not be parsed appropriately

**Recommended Action**  No action is required.

**Message**  IKE-4-UNKNOWN_PAYLOAD: IKEv2 received message (from [chars]) with un-recognized payload ([chars])

**Explanation**  Received an invalid payload

**Recommended Action**  No action is required.

**Message**  IKE-4-UNSUPPORT: [chars] is not supported (message from [chars])

**Explanation**  Received something unsupported

**Recommended Action**  No action is required.

IKE-6

**Message**  IKE-6-POLL_START_DONE: IKE is exiting since it is not enabled

**Explanation**  IKE is exiting since it is not enabled in the configuration

**Recommended Action**  No action is required.

ILC-SPAN Messages

This section contains the ILC-SPAN messages.
ILC-SPAN-3

Message ILC-SPAN-3-ERROR: [chars]

Explanation Ilc_span_mgr encountered an error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

ILC_HELPER Messages

This section contains the ILC-HELPER messages.

ILC_HELPER-2

Message ILC_HELPER-2-NO_LICENSE_REBOOT: Linecard [dec] will reboot now.

Explanation SSE License has expired, hence the linecard will be rebooted.

Recommended Action Install appropriate SSE license to be able to use SSM features normally

ILC_HELPER-3

Message ILC_HELPER-3-INVALID_SSI: [chars]

Explanation The ssi boot variable is configured to an invalid image. So, the linecard will be bought online in basic mode instead of advanced SSI mode

Recommended Action Configure a proper image for the ssi boot variable

ILC_HELPER-6

Message ILC_HELPER-6-LICENSE_VALID: A valid license for linecard [dec] has been obtained

Explanation A valid license has been obtained for the SSM

Recommended Action No action is required.

Message ILC_HELPER-6-UPGRADE_DELAY: The SSI upgrade on slot [dec] is delayed by [dec] secs.

Explanation The SSI upgrade is delayed due to the configured SSM upgrade delay command

Recommended Action No action is required.
IMAGE_DNLD Messages

This section contains the IMAGE_DNLD messages.

IMAGE_DNLD-SLOT#-2

**Message** IMAGE_DNLD-SLOT#-2-ADDON_IMG_DNLD_FAILED: Module image download process failed. [chars]

**Explanation** Addon image download to module failed. This module is not operational until an addon image has been successfully installed.

**Recommended Action** Verify the location and version of your module image. Use the install module cli command to download a new module image.

**Message** IMAGE_DNLD-SLOT#-2-IMG_DNLD_COMPLETE: Module image download process. [chars]

**Explanation** Image download completed. Module image is being installed.

**Recommended Action** No action is required.

**Message** IMAGE_DNLD-SLOT#-2-IMG_DNLD_FAILED: Module image download process. [chars]

**Explanation** Image download failed. Module may be inoperable.

**Recommended Action** Use show module cli command to verify the state of this module. Retry image download with install module cli command.

**Message** IMAGE_DNLD-SLOT#-2-IMG_DNLD_FILE_SYSTEM_CHECK_ERROR: File System check failed: [chars]

**Explanation** File system consistency check failed

**Recommended Action** File-system repair is needed using fsck

**Message** IMAGE_DNLD-SLOT#-2-IMG_DNLD_STARTED: Module image download process. [chars]

**Explanation** Image download started. Module image downloads are non-disruptive to module operation.

**Recommended Action** No action is required.
IMAGE_DNLD-SLOT#-4

**Message**  IMAGE_DNLD-SLOT#-4-IMG_DNLD_FILE_SYSTEM_RECREATION: [chars]. Partition was erased and successfully recreated.

**Explanation**  File system checking and recreation if necessary for /images.

**Recommended Action**  No action is required.

IMAGE_DNLD-SLOT#-5

**Message**  IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_COMPLETE: Addon module image download process completed. [chars]

**Explanation**  Addon image download to module has completed. The module should now be installing this new image.

**Recommended Action**  This message is informational only.

**Message**  IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_STARTED: Addon module image download process started. [chars]

**Explanation**  Addon image download to module has started. This is a disruptive download and this module will be inoperable until this download process is complete.

**Recommended Action**  This message is informational only.

**Message**  IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_SUCCESSFUL: Addon module image download and install process successful. [chars]

**Explanation**  Addon image download and install to module is successful.

**Recommended Action**  Use the show module cli command to verify the modules operational status.

IMAGE_UPGRADE Messages

This section contains the IMAGE_UPGRADE messages.

IMAGE_UPGRADE-SLOT#-2

**Message**  IMAGE_UPGRADE-SLOT#-2-IMAGE_UPGRADE_ERROR: [chars]

**Explanation**  Image Upgrade Error

**Recommended Action**  No action is required.
**IMAGE_UPGRADE-SLOT#-4**

<table>
<thead>
<tr>
<th>Message</th>
<th>IMAGE_UPGRADE-SLOT#-4-IMAGE_UPGRADE_INFO: [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation</strong></td>
<td>Image Upgrade Info</td>
</tr>
<tr>
<td><strong>Recommended Action</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

**IM Messages**

This section contains the IM messages.

**IM-3**

<table>
<thead>
<tr>
<th>Message</th>
<th>IM-3-IM_IF_FEATURE_BIND_FAILURE: Interface feature bind failed [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation</strong></td>
<td>Interface feature bind failed, so applications in that feature set may not behave correctly.</td>
</tr>
<tr>
<td><strong>Recommended Action</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Message</th>
<th>IM-3-IM_LC_OFFLINE_ERROR: LC Offline could not be sent to vdc:[dec]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation</strong></td>
<td>LC Offline was not relayed to some VDC, so applications may not behave correctly.</td>
</tr>
<tr>
<td><strong>Recommended Action</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Message</th>
<th>IM-3-IM_RESP_ERROR: Component [chars] opcode:[chars] in vdc:[dec] returned error:[chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation</strong></td>
<td>Some component returned an error.</td>
</tr>
<tr>
<td><strong>Recommended Action</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Message</th>
<th>IM-3-IM_SEQ_ERROR: Error ([chars]) while communicating with component [chars] opcode:[chars] (for:[chars])</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation</strong></td>
<td>Some component did not respond to a request in stipulated time.</td>
</tr>
<tr>
<td><strong>Recommended Action</strong></td>
<td>No action is required.</td>
</tr>
</tbody>
</table>
IM-5

Message  IM-5-IM_DEMUX_ERROR: [chars]
Explanation  Demux function returned error
Recommended Action  No action is required.

Message  IM-5-IM_INTERNAL_ERROR: [chars]
Explanation  Internal error occurred
Recommended Action  No action is required.

Message  IM-5-IM_INTF_STATE: [chars] [chars] in vdc [dec]
Explanation  Management interface state changed.
Recommended Action  No action is required.

Message  IM-5-IM_UNKNOWN_INTERFACE: [chars]
Explanation  Interface is not supported or not found
Recommended Action  No action is required.

INSTALLER Messages

This section contains the INSTALLER messages.

INSTALLER-1

Message  INSTALLER-1-UPGRADE_EXCEEDED_DOWNTIME: Switch control plane down more than 80 seconds.
Explanation  This message indicates that control plane was down for more than 80 seconds.
Recommended Action  No action is required.

INSTALLER-5

Message  INSTALLER-5-UPGRADE_ABORTED: System upgrade aborted.
Explanation  This message indicates that system wide upgrade has aborted.
Recommended Action  No action is required.
Message INSTALLER-5-UPGRADE_COMPLETED: System upgrade completed.

Explanation This message indicates system wide upgrade has completed.

Recommended Action No action is required.

Message INSTALLER-5-UPGRADE_INITIATED: System upgrade initiated.

Explanation System wide upgrade has been initiated by the user.

Recommended Action No action is required.

Message INSTALLER-5-UPGRADE_STOPPED: System upgrade stopped.

Explanation This message indicates that system wide upgrade has been stopped by the user.

Recommended Action No action is required.

INTERFACE_VLAN Messages

This section contains the INTERFACE_VLAN messages.

INTERFACE_VLAN-4

Message INTERFACE_VLAN-4-SVI_IF_CONFIG_DELETED_NOTIF_DELAYED_DROPPED: Interface VLAN Delete Notification Not Processed on Time by SAP [dec] ([chars])

Explanation This SAP took long time in processing Interface VLAN delete notification and caused timeout

Recommended Action No action is required.

Message INTERFACE_VLAN-4-SVI_IF_CONFIG_REMOVED_NOTIF_DELAYED_DROPPED: Interface VLAN Remove Notification Not Processed on Time by SAP [dec] ([chars])

Explanation This SAP took long time in processing Interface VLAN remove notification and caused timeout

Recommended Action No action is required.

Message INTERFACE_VLAN-4-SVI_VLAN DOES NOT EXIST: Vlan [dec] does not exist

Explanation Vlan not created before assignment

Recommended Action Interface-vlan
**Message**  INTERFACE_VLAN-4-SVI_WARN_SVI_UP_IN_NON_ROUTABLE_VDC: Interface VLAN [dec] is being kept up in non-routable VDC. Reason: management configuration enabled. Please disable all the routing protocols

**Explanation**  Keeping Interface VLAN up in non-routable VDC may cause potential traffic black hole

**Recommended Action**  No action is required.

**INTERFACE_VLAN-5**

**Message**  INTERFACE_VLAN-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively Down)

**Explanation**  Interface has been configured to be administratively down

**Recommended Action**  No action is required.

**Message**  INTERFACE_VLAN-5-IF_DOWN_ERROR_DISABLED: Interface [chars] is down. Reason [dec]

**Explanation**  The interface encountered an error while configuring it

**Recommended Action**  No action is required.

**Message**  INTERFACE_VLAN-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

**Explanation**  Interface VLAN has been suspended or deleted

**Recommended Action**  No action is required.

**Message**  INTERFACE_VLAN-5-SVI_DISABLED: SVI Disabled

**Explanation**  SVI Service Disabled

**Recommended Action**  No action is required.

**Message**  INTERFACE_VLAN-5-SVI_ENABLED: SVI Enabled

**Explanation**  SVI Service Enabled

**Recommended Action**  No action is required.

**Message**  INTERFACE_VLAN-5-SVI_GET_MAC_FAILED: Failed to acquire MAC address for SVI [hex]

**Explanation**  SVI failed to acquire MAC address

**Recommended Action**  No action is required.
Message  INTERFACE_VLAN-5-SVI_INIT: SVI initialization failed with error [hex]

Explanation  SVI initialization error

Recommended Action  No action is required.

Message  INTERFACE_VLAN-5-SVI_IOD_RELEASE_ERROR_RESPONSE: IM failed to release SVI IOD error [hex]

Explanation  IM failed to release SVI IOD

Recommended Action  No action is required.

Message  INTERFACE_VLAN-5-SVI_MTS_SEND_FAILURE: MTS send failure for opcode [dec], error [hex]

Explanation  SVI encountered an error in with MTS message

Recommended Action  No action is required.

Message  INTERFACE_VLAN-5-SVI_MTS_TIME_OUT: MTS send timed out

Explanation  SVI did not receive response for mts message

Recommended Action  No action is required.

Message  INTERFACE_VLAN-5-SVI_RSRVD_VLAN_FAILED: Failed to get list of reserved vlans [hex]

Explanation  SVI failed to get the list reserved vlans

Recommended Action  No action is required.

Message  INTERFACE_VLAN-5-SVI_SDB_UPDATE_FAILED: sdb update failed with ret_val [dec]

Explanation  SDB updated failed for SVI

Recommended Action  No action is required.

Message  INTERFACE_VLAN-5-SVI_SEC_VLAN_FAILED: Failed to get list of secondary vlans [hex]

Explanation  SVI failed to get the list of secondary vlans

Recommended Action  No action is required.
Message  INTERFACE_VLAN-5-UPDOWN: Line Protocol on Interface [chars], changed state to [chars]

Explanation  Line protocol status changed for an interface

Recommended Action  No action is required.

**IOA_LC Messages**

This section contains the IOA_LC messages.

**IOA_LC-5**

Message  IOA_LC-5-IOA_DISABLED: IOA Disabled

Explanation  IOA Service Disabled

Recommended Action  No action is required.

Message  IOA_LC-5-IOA_ENABLED: IOA Enabled

Explanation  IOA Service enabled

Recommended Action  No action is required.

**IPACL Messages**

This section contains the IPACL messages.

**IPACL-0**

Message  IPACL-0-EMERG: [chars]

Explanation  Ipacl caused a system failure

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**IPACL-1**

Message  IPACL-1-ALERT: [chars]

Explanation  Ipacl caused failures in other services

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
IPACL-2

Message  IPACL-2-CRIT: [chars]

Explanation  Ipacl encountered a catastrophic error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPACL-3

Message  IPACL-3-ERR: [chars]

Explanation  Ipacl encountered an error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPACL-4

Message  IPACL-4-WARN: [chars]

Explanation  Ipacl warning message

Recommended Action  No action is required.

IPACL-5

Message  IPACL-5-NOTE: [chars]

Explanation  Ipacl does not support this operation

Recommended Action  No action is required.

IPACL-6

Message  IPACL-6-INFO: [chars]

Explanation  Ipacl event occurred

Recommended Action  No action is required.

IPFC Messages

This section contains the IPFC messages.
IPFC-2

Message  IPFC-2-ALLOC_MEMORY: Memory allocation failed

Explanation  The service failed to allocate a block of dynamic memory.

Recommended Action  No action is required.

IPFC-3

Message  IPFC-3-INIT_FAILED: Initialization failed. Component [chars]

Explanation  The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action  Show processes to check the status of the other processes, debug the specified component.

Message  IPFC-3-IOCTL_FAILED: IOCTL failed

Explanation  An IOCTL to the character device failed.

Recommended Action  Show IPFC internal interface VSAN <number

Message  IPFC-3-PSSERROR: [chars]

Explanation  IPFC manager encountered a PSS error.

Recommended Action  No action is required.

IPFC-5

Message  IPFC-5-CONFIG_EVENT: VSAN interface [dec] [chars]

Explanation  The specified VSAN Interface has been successfully [chars].

Recommended Action  No action is required.

Message  IPFC-5-STATE_CHANGE: VSAN interface [dec] [chars]

Explanation  The specified VSAN Interface is [chars].

Recommended Action  No action is required.
IPFC-6

**Message**  IPFC-6-STARTING: IP Over Fiber Channel service started

**Explanation**  The service has successfully started.

**Recommended Action**  No action is required.

**IPQOSMGR Messages**

This section contains the IPQOSMGR messages.

**IPQOSMGR-2**

**Message**  IPQOSMGR-2-QOSMGR_DCBXP_PFC_CMP_FAIL_MSG: [chars] - qos config [chars] not compatible with the peer

**Explanation**  Port_id [chars] has qos config [chars] which is incompatible with the peer.

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-2-QOSMGR_HA_FAILURE: Failed to do high availability operation: [chars].

**Explanation**  Failed to do high availability operation. [chars] is the reason.

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-2-QOSMGR_INIT_FAILED: Initialization failed for QoS Manager: [chars], reason: [hex].

**Explanation**  Initialization failed for QoS Manager due to [chars], reason: [hex].

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-2-QOSMGR_MTS_FAILURE: Failed to do MTS operation: [chars].

**Explanation**  Failed to do MTS operation. [chars] is the reason.

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-2-QOSMGR_MTS_REGISTRATION_FAILED: MTS options setting to [hex] failed for opCode: [dec].

**Explanation**  MTS options setting to [hex] failed for opCode: [dec].

**Recommended Action**  No action is required.
**Message**  IPQOSMGR-2-QOSMGR_NETWORK_QOS_POLICY_CHANGE: Policy [chars] is now active

**Explanation**  [chars] is the new active network-qos policy

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-2-QOSMGR_PSS_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

**Explanation**  Failed to do PSS operation [chars]. [hex] is the reason.

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-2-QOSMGR_PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

**Explanation**  There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action**  No action is required.

**IPQOSMGR-3**

**Message**  IPQOSMGR-3-QOSMGR_CONFIG_ERROR: Configuration error: [chars].

**Explanation**  Configuration error. [chars] is the reason.

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-3-QOSMGR_NVDC_PFF_ERROR: PPF verify/commit failed in vdc [dec] error: [hex] for global qos command

**Explanation**  For global qos command, PPF verify/commit failed in vdc [dec] with reason [hex].

**Recommended Action**  No action is required.

**Message**  IPQOSMGR-3-QOSMGR_PPF_ERROR: PPF library error: [chars].

**Explanation**  PPF library errors. [chars] is the reason.

**Recommended Action**  No action is required.
IPQOSMGR-4

Message  IPQOSMGR-4-QOSMGR_LC_ERROR_MSG: Linecard [dec] returned an error: [chars]

Explanation  Linecard [dec] returned an Message which is reported as [chars].

Recommended Action  No action is required.

Message  IPQOSMGR-4-QOSMGR_POLICIES_PRESENT_ON_DELETED_VLANS: Some VLANs (id: [chars]) which are getting deleted now are still having qos service-policy attached. These policies will be effective only when the VLANs get created again.

Explanation  VLAN(s) [chars] is (are) getting deleted now. This is an informational message to notify that QoS service-policies are present when the vlan is deleted. If the service-policies are not needed, please detach them from the vlans

Recommended Action  No action is required.

Message  IPQOSMGR-4-QOSMGR_PPF_WARNING: PPF library warning: [chars].

Explanation  PPF library warning. [chars] is the reason.

Recommended Action  No action is required.

Message  IPQOSMGR-4-QOSMGR_WARNING_MSG: [chars] [dec]

Explanation  QOSMGR warning messages is reported as [chars] [dec].

Recommended Action  No action is required.

IPQOSMGR-6

Message  IPQOSMGR-6-QOSMGR_DCBXP_CMP_FAIL_MSG: [chars] - qos config [chars] not compatible with the peer

Explanation  DCBXP warning: Port_id [chars] has qos config [chars] which is incompatible with the peer.

Recommended Action  No action is required.

Message  IPQOSMGR-6-QOSMGR_STATUS: QOSMGR Status: [chars].

Explanation  QOSMGR status is reported as [chars].

Recommended Action  No action is required.
IPSEC Messages

This section contains the IPSEC messages.

IPSEC-2

Message  IPSEC-2-IPSEC_INIT: IPSec initialization of [chars] [chars]

Explanation  IPSec initialization failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPSEC-2-IPSEC_SPD_OVERFLOW_DUE_TO_ACL: SPD Overflow on interface due to IP ACL [chars] bound to crypto map [chars] [dec]

Explanation  Modifying IP ACL caused Security Policy Database on the interface to overflow, IP ACL filter not applied to security policy database

Recommended Action  Undo IP ACL change

IPSEC-3

Message  IPSEC-3-14_2_MODULE_PACKETS_DROPPED: [chars]: packets were dropped in the module

Explanation  Packets dropped in the 14/2 module. Please collect drop statistics using show ipsec internal crypto-acc interface gigabyte <slot/port

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPSEC-3-IPSEC_FIPS_TEST_FAILED: IPSEC FIPS compliance test failed

Explanation  IPSEC FIPS compliance test failed

Recommended Action  No action is required.

Message  IPSEC-3-IPSEC_MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]

Explanation  Failed to send a message

Recommended Action  No action is required.
IPSEC-5

Message  IPSEC-5-IPSEC_CMS_IF_ACL_UPDATED: IP ACL [chars] updated while Crypto map [chars] [dec] bound to interface(s)
Explanation  IP ACL updated while it is mapped to a crypto map that is bound to interface(s)
Recommended Action  No action is required.

Message  IPSEC-5-IPSEC_DISABLED_LIC_EXPIRED: IPSec Disabled due to License Expiry
Explanation  IPSec Disabled due to License Expiry
Recommended Action  No action is required.

Message  IPSEC-5-IPSEC_DISABLED: IPSec Disabled
Explanation  IPSec Disabled
Recommended Action  No action is required.

Message  IPSEC-5-IPSEC_ENABLED: IPSec Enabled
Explanation  IPSec Enabled
Recommended Action  No action is required.

Message  IPSEC-5-IPSEC_SA_CREATED: [chars]: IPSec SA created: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] ([hex])
Explanation  IPSec SA created
Recommended Action  No action is required.

Message  IPSEC-5-IPSEC_SA_DELETED: [chars]: IPSec SA deleted: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] ([hex]), reason: [chars]
Explanation  IPSec SA deleted
Recommended Action  No action is required.

Message  IPSEC-5-IPSEC_SA_REKEYED: [chars]: IPSec SA rekeyed: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] ([hex])
Explanation  IPSec SA rekeyed
Recommended Action  No action is required.
Message   IPSEC-5-IPSEC_TUNNEL_CREATED: [chars]: IPSec tunnel created: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], port: [chars], remote: [chars]/[chars], ports: [chars]

Explanation   IPSec tunnel created

Recommended Action   No action is required.

Message   IPSEC-5-IPSEC_TUNNEL_DELETED: [chars]: IPSec tunnel deleted: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

Explanation   IPSec tunnel deleted

Recommended Action   No action is required.

Message   IPSEC-5-IPSEC_TUNNEL_REKEYED: [chars]: IPSec tunnel rekeyed: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars] traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

Explanation   IPSec tunnel rekeyed

Recommended Action   No action is required.

**IPS_SB_MGR Messages**

This section contains the IP_SB_MGR messages.

**IPS_SB_MGR-SLOT#-2**

Message   IPS_SB_MGR-SLOT#-2-NODE_CORE_NOT_RESPONDING: [Node [dec], Core [dec]]: Not responding to heartbeats, state=[hex]

Explanation   Node is not incrementing heartbeats periodically

Recommended Action   Potential node software issue. Please contact your support representative

Message   IPS_SB_MGR-SLOT#-2-NODE_NOT_RESPONDING: [Node [dec], Core [dec]]: Not responding to heartbeats

Explanation   Node manager is not receiving heartbeat responses from the node

Recommended Action   Potential node software issue. Please contact your support representative
**Message** IPS_SB_MGR-SLOT#-2-NODE_REIMAGE_PREPARE_FAIL: [Node [dec]]: Disk formatting failed during node install

**Explanation** There was a problem during the partitioning of disk and creation of file systems during node install.

**Recommended Action** Potential node software issue. Please contact your support representative.

**Message** IPS_SB_MGR-SLOT#-2-PORT_SOFTWARE_FAILURE: Port software failure, module [dec] port [dec]

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**IPS_SB_MGR-SLOT#-3**

**Message** IPS_SB_MGR-SLOT#-3-COMP_FAILURE: Heartbeat failure in compression engine (error [hex])

**Explanation** The compression engine did not respond to heartbeats, due to some failure. SAN-OS will restart the compression engine to clear the problem.

**Recommended Action** No action is required.

**Message** IPS_SB_MGR-SLOT#-3-CRYPTO_FAILURE: Heartbeat failure in encryption engine (error [hex])

**Explanation** The encryption engine did not respond to heartbeats, due to some failure. SAN-OS will restart the encryption engine to clear the problem.

**Recommended Action** No action is required.

**Message** IPS_SB_MGR-SLOT#-3-FIPS_SELF_TEST_FAILURE: [chars] Restarting the octeon...

**Explanation** FIPS self test failed for the algorithm. Restarting the octeon.

**Recommended Action** No action is required.

**IPS_SB_MGR-SLOT#-4**

**Message** IPS_SB_MGR-SLOT#-4-NODE_NOT_COMPAT_WITH_ADD_ON: svc-node[dec] image is not compatible with svclc image

**Explanation** The svc image on the node is not compatible with the add on image running on the linecard.

**Recommended Action** Please contact your support representative.
Message IPS_SB_MGR-SLOT#-4-NODE_NOT_COMPAT_WITH_CURRENT: svc-node[dec] image is not compatible with current node image

Explanation The new svc image is not compatible with the svc image currently running on the node

Recommended Action Please contact your support representative

Message IPS_SB_MGR-SLOT#-4-NODE_NOT_COMPAT_WITH_SUP: svc-node[dec] image is not compatible with system image

Explanation The svc image on the node is not compatible with the supervisor image.

Recommended Action Please contact your support representative

IPS_SB_MGR-SLOT#-6

Message IPS_SB_MGR-SLOT#-6-SBMGR_EVENT: Sbmgr event: [chars]

Explanation This is an event log of sb_mgr relating to a port/node

Recommended Action No action is required.

IPS Messages

This section contains the IPS messages.

IPS-2

Message IPS-2-ISCSI_IPS_INIT: IPS initialization of [chars] [chars]

Explanation IPS initialization failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPS-3

Message IPS-3-DUP_IPV4_ADDR_DETECTED: duplicate IP address ([chars]) sent from link address ([chars])

Explanation Duplicate IPv4 address is configured in the network

Recommended Action No action is required.

Explanation  FTA Exch being aborted

Recommended Action  Informational no action required


Explanation  Sense data with ERA sent

Recommended Action  SYSLOGDOC_CONTACT_TAC


Explanation  FCIP got an ERA 35

Recommended Action  SYSLOGDOC_CONTACT_TAC


Explanation  FCIP got an ERA 38

Recommended Action  SYSLOGDOC_CONTACT_TAC


Explanation  FCIP-FTA got a Permanent Error

Recommended Action  Informational no action required


Explanation  FCIP-FTA got a Permanent Error

Recommended Action  Informational no action required

Explanation FTA Command timed out

Recommended Action Informational no action required

Message IPS-3-FCIP_LINK_STAT_LOSS_OF_SYNC: [chars]: Loss of Sync ([chars])

Explanation FCIP Link Failed with Loss of Sync.

Recommended Action No action is required.

Message IPS-3-IPS_CRYPTO_FIPS_FAILED: IPS module [dec] has failed FIPS tests. FIPS info - [chars]

Explanation FIPS error occurred in the IPS module.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-IPS_EGRESS_PERR: Parity error on dma-bridge egress. Count: [dec]

Explanation Parity error occurred in dma-bridge egress direction.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message IPS-3-IPS_FIPS_MODE_ERROR: IPS FIPS error: [chars]

Explanation IPS module FIPS mode error

Recommended Action No action is required.

Message IPS-3-IPS_FIPS_TEST_FAILED: IPS FIPS compliance test failed

Explanation IPS FIPS compliance test failed

Recommended Action No action is required.

Message IPS-3-IPS_INGRESS_PERR: Parity error on dma-bridge ingress. Count: [dec]

Explanation Parity error occurred in dma-bridge ingress direction.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  IPS-3-ISLB_CFS_CLEAR_FAILED: [chars]

Explanation  An error occurred while clearing the CFS lock. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_COMMIT_FAILED: [chars]; [chars]

Explanation  An error occurred while committing the cfs config data. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_CONFIG_FAILED: [chars]; [chars]

Explanation  An error occurred while distributing the CFS config data. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_LOCK_FAILED: [chars]

Explanation  An error occurred while acquiring the CFS lock. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_MERGE_ACTIVATION_FAILED: [chars]; [chars]

Explanation  An error occurred while activating merged configuration. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_MERGE_CLEARED: [chars]

Explanation  Merge cleared, reason: [chars]

Recommended Action  No action is required.
Message  IPS-3-ISLB_CFS_MERGE_COMMIT_FAILED: [chars]; [chars]
Explanation  An error occurred while committing the cfs merge config data. The reason for the failure: [chars]
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_MERGE_CONFIG_FAILED: [chars]; [chars]
Explanation  An error occurred while distributing the CFS merge config data. The reason for the failure: [chars]
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_MERGE_FAILED: [chars]; [chars]
Explanation  An error occurred while merging the iSLB CFS fabrics. The reason for the failure: [chars]
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_MERGE_PRECOMMIT_FAILED: [chars]; [chars]
Explanation  An error occurred while pre committing merge data. The reason for the failure: [chars]
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_MERGE_REQ_REJECTED: [chars]
Explanation  Merge requested rejected, reason: [chars]
Recommended Action  No action is required.

Message  IPS-3-ISLB_CFS_MERGING_CONFIG_DB_FAILED: [chars]; [chars]
Explanation  An error occurred while merging the config data. The reason for the failure: [chars]
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  IPS-3-ISLB_CFS_PRECOMMIT_FAILED: [chars]; [chars]

Explanation  An error occurred while pre committing data. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_PWWN_RESV_CLAIM_FAILED: [chars]

Explanation  PWWN reservation claim failed. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_PWWN_RESV_RELEASE_FAILED: [chars]

Explanation  PWWN reservation release failed. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_UNLOCK_FAILED: [chars]

Explanation  An error occurred while releasing the CFS lock. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_CFS_VRRP_DIST_FAILED: [chars]

Explanation  An error occurred while distributing the VRRP CFS runtime data. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_ZONE_ACTIVATION_FAILED: iSLB zoneset activation returned [hex] for VSAN [dec]

Explanation  ISLB zoneset activation failed.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IPS-3-ISLB_ZONE_ACTIVATION_RETRY: iSLB zoneset activation returned [hex] for VSAN [dec]

Explanation  ISLB zoneset activation failed. Zone server busy.

Recommended Action  Retry the iSLB zoneset activation.
Message  IPS-3-ISLB_ZONE_NO_ACTIVE_ZONESET: iSLB zoneset activation returned [hex] for VSAN [dec]

Explanation  ISLB zoneset activation failed. No active zoneset.

Recommended Action  Activate a zoneset in the specified VSAN and retry

Message  IPS-3-RED_PACKET_DROPS: Congestion detected on Gigabit Ethernet port (buffer pool size: [dec])

Explanation  Congestion detected on Gigabit Ethernet port due to RED threshold limit

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

IPS-4

Message  IPS-4-FCIP_FTA_CFG_MISMATCH: [chars]: Mismatch in FCIP Ficon Tape Acceleration configuration with peer

Explanation  The FCIP Ficon Tape Acceleration configuration does not match with peers configuration

Recommended Action  Fix the FCIP Ficon Tape Acceleration configuration to be consistent with the peer

Message  IPS-4-FCIP_FTA_VSAN_UPDATE_WARNING: FCIP FICON tape acceleration VSAN update had an error ([chars]) on interface [chars] causing a flap of the interface

Explanation  The FCIP FICON tape acceleration VSAN configuration experienced an error when disabling and enabling the VSAN over the FCIP tunnel. The FCIP tunnel was disabled and re-enabled as a result of this error to ensure data integrity.

Recommended Action  No action is required.

Message  IPS-4-FCIP_LICENSE_BIND_FAILED: Bind failed for [chars] due to [chars] for license failure; configuration accepted but bind failed

Explanation  The FCIP configuration was accepted, but the FCIP interface did not bind to a physical interface because the appropriate license was not available. If a license becomes available in the future, this FCIP interface will bind to a physical interface automatically.

Recommended Action  Check the license state with “show license usage” and acquire the necessary FCIP license
Message IPS-4-FCIP_XRCE_LICENSE_FAILED: XRC Acceleration deactivated due to license failure

Explanation The XRC Acceleration configuration was accepted, but will remain inactive until a valid license is available. When the appropriate license is installed, XRC acceleration will be activated.

Recommended Action Check the license state with “show license usage” and acquire the necessary XRC_ACCL license

Message IPS-4-FCIP_XRCE_LICENSE_INSTALLED: XRC Acceleration activated due to valid license

Explanation The XRC Acceleration configuration is activated as a valid license has been installed.

Recommended Action No action is required.

IPS-5

Message IPS-5-FCIP_BIND_FAILED: Bind failed for [chars] due to [chars] for [chars]

Explanation FCIP/ISCSI Interface bind to Ethernet port failed

Recommended Action No action is required.

Message IPS-5-FCIP_BPORT_KEEPALIVES_NOT_SUPPORTED: Bport Keepalives not supported for FCIP [chars]

Explanation Bport Keepalives not supported in this release

Recommended Action Informational no action required

Message IPS-5-FCIP_BPORT_NOT_SUPPORTED: Bport not supported for FCIP [chars]

Explanation Bport not supported in this release

Recommended Action Informational no action required

Message IPS-5-FCIP_FTA_ALREADY_OFF: FTA Already Off, [chars] VSAN: [dec]

Explanation FTA Already Off

Recommended Action Informational no action required

Message IPS-5-FCIP_FTA_ALREADY_ON: FTA Already ON, [chars] VSAN: [dec]

Explanation FTA Already ON

Recommended Action Informational no action required
Message IPS-5-FCIP_FTA_CB_DOWN: FTA [chars] is DOWN

Explanation FTA is DOWN

Recommended Action Informational no action required

Message IPS-5-FCIP_FTA_CB_UP: FTA [chars], is UP

Explanation FTA is UP

Recommended Action Informational no action required


Explanation FCIP Disbanded a Group

Recommended Action Informational no action required


Explanation FCIP established a Path Group

Recommended Action Informational no action required


Explanation Doing RSCN Cleanup, Pass 1

Recommended Action Informational no action required


Explanation Doing RSCN Cleanup, Pass 2

Recommended Action Informational no action required


Explanation FCIP Resigned a Group

Recommended Action Informational no action required

Explanation  Device type discovered is 3490

Recommended Action  Informational no action required


Explanation  Device type discovered is 3590

Recommended Action  Informational no action required


Explanation  FCIP discovered a non-tape device

Recommended Action  Informational no action required

Message  IPS-5-FCIP_FTA_TURN_OFF_LAST_VSAN: FTA turned off for the Last VSAN, [chars] VSAN: [dec]

Explanation  FTA turned off for the Last Vsan

Recommended Action  Informational no action required

Message  IPS-5-FCIP_FTA_TURN_OFF_NONLAST_VSAN: FTA turned off for the Non-Last VSAN, [chars] VSAN: [dec]

Explanation  FTA turned off for the Non-Last Vsan

Recommended Action  Informational no action required

Message  IPS-5-FCIP_FTA_TURN_ON: Turn ON FTA, [chars] VSAN: [dec]

Explanation  FTA turned ON

Recommended Action  Informational no action required

Message  IPS-5-FCIP_FTA_WARNING: FTA Warning: [chars]

Explanation  Generic FTA Warning

Recommended Action  Informational no action required
Message  IPS-5-FCIP_FTRA_CFG_MISMATCH: [chars]: Mismatch in FCIP FICON Tape Read Accelerator configuration with peer

Explanation  The FCIP FICON Tape Read Accelerator configuration does not match with peers configuration

Recommended Action  Fix the FCIP FICON Tape Read Accelerator configuration to be consistent with the peer

Message  IPS-5-FCIP_IF_CR_DEL: Interface [chars] [chars]

Explanation  FCIP Interface was Created or Deleted

Recommended Action  No action is required.

Message  IPS-5-FCIP_MODE1_CHANGED_TO_MODE2: Changing mode1 compression to mode2 for [chars], on a MSM/SSN-16 linecard

Explanation  Change mode1 compression to mode2 on a MSM/SSN-16 linecard

Recommended Action  Informational no action required

Message  IPS-5-FCIP_NUM_TCP_CONNS_MISMATCH: [chars]: configured for 2 tcp connections but currently operating with 1 connection

Explanation  Number of configured tcp connections dont match number of connections on current lyup

Recommended Action  No action is required.

Message  IPS-5-FCIP_PEER_CAVIUM: Peer FCIP [chars] is a MSM/SSN-16 linecard

Explanation  Peer linecard is a MSM/SSN-16

Recommended Action  Informational no action required

Message  IPS-5-FCIP_PEER_NON_CAVIUM: Peer FCIP [chars] is a non MSM/SSN-16 linecard

Explanation  Peer linecard is non MSM/SSN-16

Recommended Action  Informational no action required

Message  IPS-5-FCIP_RA_CFG_MISMATCH: [chars]: Mismatch in FCIP Tape Read Acceleration capability with peer

Explanation  The FCIP Tape Read Acceleration capability does not match with peers configuration.

Recommended Action  Fix the FCIP Tape Read Acceleration capability to be consistent with the peer.
Message IPS-5-FCIP_SF_NOT_SUPPORTED: Special-Frame not supported for FCIP [chars]

Explanation Special-Frame not supported in this release.

Recommended Action Informational no action required.

Message IPS-5-FCIP_TA_CFG_MISMATCH: [chars]: Mismatch in FCIP Tape Acceleration configuration with peer

Explanation The FCIP Tape Acceleration configuration does not match with peers configuration.

Recommended Action Fix the FCIP Tape Acceleration configuration to be consistent with the peer.

Message IPS-5-FCIP_TA_ITL_MISMATCH: [chars]: Mismatch in FCIP Write/Tape Acceleration software capability with peer

Explanation The FCIP Write/Tape Acceleration software capability does not match with peers software capability.'

Recommended Action Fix the FCIP software to be consistent with the peer.

Message IPS-5-FCIP_TSTAMP_CHK_FAILED: [chars]: Timestamp check failed on ingressing frames

Explanation Timestamp between local and remote side exceeds the configured tolerance

Recommended Action No action is required.

Message IPS-5-FCIP_UNBIND_FAILED: UNBIND failed for [chars] due to [chars] for [chars]

Explanation FCIP/ISCSI Interface UNBIND from Ethernet port failed

Recommended Action No action is required.

Message IPS-5-FCIP_WA_CFG_MISMATCH: [chars]: Mismatch in FCIP Write Acceleration configuration with peer

Explanation The FCIP Write Acceleration configuration does not match with peers configuration.

Recommended Action Fix the FCIP Write Acceleration configuration to be consistent with the peer.

Message IPS-5-FCIP_WA_XFER_RDY_ERR: [chars]: FCIP Write Acceleration received XFER-RDY after exchange cleanup. Host [hex] Target [hex]

Explanation FCIP Write/Tape Acceleration received XFER-RDY after exchange cleanup.

Recommended Action No action is required.
Message IPS-5-FCIP_XRCE_CFG_MISMATCH: [chars]: Mismatch in FCIP XRC Emulator configuration with peer

Explanation The FCIP XRC Emulator configuration does not match with peers configuration.

Recommended Action Fix the FCIP XRC Emulator configuration to be consistent with the peer.

Message IPS-5-IPS_IPACL_LOG_MSG: [chars]

Explanation Details of the packet dropped due to ACLs

Recommended Action No action is required.


Explanation IPS Manager feature enabled/disabled

Recommended Action No action is required.

Message IPS-5-IPS_TCP_PORT_IN_USE: Cannot bringup interface [chars], local port already in use

Explanation FCIP and iSCSI interface are trying to use the same local port, please use different ports.

Recommended Action No action is required.

Message IPS-5-ISCSI_BAD_DATA_DIGEST_CRC: iSCSI ingress data digest error from initiator [chars] alias [chars] S_ID [hex] to D_ID [hex]

Explanation iSCSI Ingress Data Digest CRC failed.

Recommended Action No action is required.

Message IPS-5-ISCSI_CONN_DOWN_BATCH: [chars]: [dec] iSCSI sessions failed in last [chars], reason: [chars]

Explanation Number of SCSI session down during the last time interval.

Recommended Action No action is required.

Message IPS-5-ISCSI_CONN_DOWN: [chars]: iSCSI session down from initiator [chars] alias [chars] ip [chars] to target [chars], reason: [chars]

Explanation ISCSI session goes down.

Recommended Action No action is required.
**Message**  IPS-5-ISCSI_CONN_UP: [chars]: iSCSI session up from initiator [chars] alias [chars] ip [chars] to target [chars]

**Explanation**  ISCSI session comes up and reaches Full-Feature phase

**Recommended Action**  No action is required.

**Message**  IPS-5-ISCSI_PORT_FAILOVER: [chars]: iSCSI initiator [chars] alias [chars] ip [chars] target [chars]. FC session failed over to port [chars]

**Explanation**  FC session for the iSCSI session failed over to newly active port

**Recommended Action**  No action is required.


**Explanation**  ISCSI FCNS query response.

**Recommended Action**  No action is required.

**Message**  IPS-5-ISCSI_SESSION_CREATE_FAILURE: [chars]: iSCSI Session initiator [chars] target [chars] create failed. [chars]

**Explanation**  ISCSI Session Create failed.

**Recommended Action**  No action is required.

**Message**  IPS-5-ISCSI_SESSION_CREATE_REDIRECT: [chars]: iSCSI Session initiator [chars] target [chars] redirected to [chars]/[chars]

**Explanation**  ISCSI Session Create redirected.

**Recommended Action**  No action is required.

**Message**  IPS-5-ISCSI_SESSION_REDIRECT_TIMEOUT: iSCSI Session initiator [chars] to [chars] redirected to [chars] timeout

**Explanation**  ISCSI Session Redirect timeout.

**Recommended Action**  No action is required.

**Message**  IPS-5-ISLB_CFS_SESSION_CLEARED: CFS Session Cleared

**Explanation**  CFS Session Cleared by user.

**Recommended Action**  No action is required.
Message  IPS-5-LRTP_HDR_FCID_MISMATCH: LRTP header s_id([hex]) d_id([hex]) do not match Inner header s_id([hex]) d_id([hex]) Initiator ([chars]) Target([chars])

Explanation  The s_id and/or the d_id field in the frames LRTP header does not match the s_id or d_id field in the inner header.

Recommended Action  No action is required.

Message  IPS-5-PORT_IPCFG_FAILED: Cannot configure IP address for interface [chars]

Explanation  Cannot configure IPS port IP address.

Recommended Action  No action is required.

Message  IPS-5-SB_MGR_CORE_FAILED: Ethernet Processing core [chars] failed due to [chars]

Explanation  Ethernet Processing Core failed.

Recommended Action  No action is required.

Message  IPS-5-SFRAME_ENTITY_ID_MISMATCH: [chars]: special frame profile ID mismatch

Explanation  Special frame received and destination profile ID does not match local profile ID

Recommended Action  No action is required.

Message  IPS-5-SFRAME_FABRIC_WWN_MISMATCH: [chars]: special frame fabric wwn mismatch

Explanation  Special frame received and source/destination fabric wwn does not match local destination/source fabric wwn

Recommended Action  No action is required.

Message  IPS-5-SFRAME_IF_ADMIN_DOWN: [chars]: special frame received if down

Explanation  Special frame received and interface is admin down

Recommended Action  No action is required.

Message  IPS-5-SFRAME_IF_NOT_ENABLED: [chars]: special frame not enabled

Explanation  Special frame received and interface special frame configuration is disabled

Recommended Action  No action is required.
Message  IPS-5-SFRAME_INVALID_NONCE: [chars]: special frame response has invalid nonce for FCIP

Explanation  Special frame response has a different nonce than was originally sent in the special frame

Recommended Action  No action is required.

Message  IPS-5-SFRAME_NOT_RECV: [chars]: special frame was not received by passive-side FCIP

Explanation  Special frame was not received by the passive-side of the FCIP TCP tunnel within given time period

Recommended Action  No action is required.

Message  IPS-5-SFRAME_RESP_MISMATCH: [chars]: special frame response has byte mismatch for FCIP

Explanation  Special frame response has a mismatch in one of the bytes from what was sent from the FCIP special frame sender

Recommended Action  No action is required.

Message  IPS-5-SFRAME_RESP_NOT_RECV: [chars]: special frame response was not received by active-side FCIP

Explanation  Special frame response was not received by the active-side of the FCIP TCP tunnel within given time period

Recommended Action  No action is required.

IPS-6


Explanation  FCIP-FTA Read Acceleration started

Recommended Action  Informational no action required


Explanation  FCIP-FTA Read Acceleration stopped

Recommended Action  Informational no action required
Message  IPS-6-FCIP_FTA_WRITE_ACCEL_STARTED: Write Acceleration started for CH

Explanation  FCIP-FTA Write Acceleration started

Recommended Action  Informational no action required

Message  IPS-6-FCIP_FTA_WRITE_ACCEL_STOPPED: Write Acceleration stopped for CH
after [dec] MB writes

Explanation  FCIP-FTA Write Acceleration stopped

Recommended Action  Informational no action required

IPS-7

Message  IPS-7-ISCSI_FCNS_QUERY_REQ: return [hex], wait [dec], VSAN [dec], Init:
[chars]

Explanation  ISCSI FCNS query

Recommended Action  No action is required.

Message  IPS-7-ISCSI_FCNS_QUERY_RESP: result [hex], [dec] targets, wait [dec],
Init: [chars]

Explanation  ISCSI FCNS query response

Recommended Action  No action is required.

Message  IPS-7-ISCSI_NEW_FCNS_QUERY_REQ: return [hex], VSANs [chars], Init:
[chars]

Explanation  ISCSI FCNS query

Recommended Action  No action is required.

Message  IPS-7-ISCSI_NEW_FCNS_QUERY_RESP: result [hex], [dec] entries, [dec]
targets, [dec] total targets Init: [chars]

Explanation  ISCSI FCNS query response

Recommended Action  No action is required.
**Message**  IPS-7-ISNS_SVR_ERR_RESPONSE: iSNS server returned following error code on iSNS request for interface [chars]: [dec]

**Explanation**  iSNS server returned an error for register/deregister request. For select error codes iSNS client would retry and re-register all target nodes corresponding to the interface

**Recommended Action**  No action is required.

### IPV6 Messages

This section contains the IPV6 messages.

**IPV6-2**

**Message**  IPV6-2-ALLOC_MEMORY: Memory allocation failed

**Explanation**  The IP Configuration Manager failed to allocate a block of dynamic memory.

**Recommended Action**  No action is required.

**IPV6-3**

**Message**  IPV6-3-FILE_WRITE_FAILED: Writing to file [chars] failed - error: [chars]

**Explanation**  Writing to a file failed probably due to no space.

**Recommended Action**  Ipv6

**Message**  IPV6-3-INIT_FAILED: Initialization failed. Component [chars]

**Explanation**  The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action**  Show processes to check the status of the other processes, debug the specified component.

**IPV6-4**

**Message**  IPV6-4-DAD_FAILED_EVENT: Duplicate address detection failed for [chars] on [chars]

**Explanation**  Duplicate address detection for IP address failed.

**Recommended Action**  Ipv6
IPV6-6

Message  IPV6-6-CONFIG_EVENT: IP Configuration Msg: [chars]

Explanation  Configuration message that needs to be logged.

Recommended Action  No action is required.

Message  IPV6-6-INTERFACE_DELETED: The interface [chars] has been deleted

Explanation  The specified interface has been deleted. The service will delete all the configuration on that interface.

Recommended Action  No action is required.

Message  IPV6-6-INTERFACE_EVENT: IP address [chars] [chars] on interface [chars]

Explanation  The IP address [chars] has been successfully [chars] on the interface [chars].

Recommended Action  No action is required.

Message  IPV6-6-ROUTE_NOT_ACTIVE: The [chars] is not active

Explanation  The specified route is successfully configured but currently is not active.

Recommended Action  Check that the route is correct and the outgoing interface is operationally up.

Message  IPV6-6-STARTING: IP configuration Manager started

Explanation  The IP Configuration Manager service has successfully started.

Recommended Action  No action is required.

IP Messages

This section contains the IP messages.

IP-1

Message  IP-1-DHCP_CLIENT_FAILED: dhcp-client failed to get the ip address

Explanation  Dhcp-client failed to get the ip from server, probably due to server lease unavailability or cable dis-connectivity.

Recommended Action  Ip
IP-2

Message  IP-2-ALLOC_MEMORY: Memory allocation failed
Explanation  The IP Configuration Manager failed to allocate a block of dynamic memory.
Recommended Action  No action is required.

IP-3

Message  IP-3-FILE_WRITE_FAILED: Writing to file [chars] failed - error: [chars]
Explanation  Writing to a file failed probably due to no space.
Recommended Action  Ip

Message  IP-3-INIT_FAILED: Initialization failed. Component [chars]
Explanation  The service failed to start. The failure occurred while initializing the component [chars].
Recommended Action  Show processes to check the status of the other processes, debug the specified component.

IP-4

Message  IP-4-DAD_FAILED_EVENT: Duplicate address detected for [chars] on [chars]
Explanation  Duplicate address detected for IP address.
Recommended Action  Ip

IP-6

Message  IP-6-CONFIG_EVENT: IP Configuration Msg: [chars]
Explanation  Configuration message that needs to be logged.
Recommended Action  No action is required.

Message  IP-6-DHCP_CLIENT_SUCCESS: dhcp_client got ip address:[chars], netmask:[chars] for mgmt interface, got from server:[chars]
Explanation  DHCP-client is able to get the ip address from server,
Recommended Action  No action is required.
**Message** IP-6-INTERFACE_DELETED: The interface [chars] has been deleted

**Explanation** The specified interface has been deleted. The service will delete all the configuration on that interface.

**Recommended Action** No action is required.

**Message** IP-6-INTERFACE_EVENT: IP address [chars] [chars] on interface [chars]

**Explanation** The IP address [chars] has been successfully [chars] on the interface [chars].

**Recommended Action** No action is required.

**Message** IP-6-ROUTE_NOT_ACTIVE: The [chars] is not active

**Explanation** The specified route is successfully configured but currently is not active.

**Recommended Action** Check that the route is correct and the outgoing interface is operationally up.

**Message** IP-6-STARTING: IP configuration Manager started

**Explanation** The IP Configuration Manager service has successfully started.

**Recommended Action** No action is required.

### ISAPI Messages

This section contains the ISAPI messages.

#### ISAPI-SLOT#-0

**Message** ISAPI-SLOT#-0-INVISTA_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The name of the application is INVISTA.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-0-MSM_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is MSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.
Message  ISAPI-SLOT#-0-NSP_EMERG: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused a system failure. The name of the application is NSP.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-0-SSM_EMERG: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is SSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-0-SSN_EMERG: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is SSN.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-1-INVISTA_ALERT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The name of the application is INVISTA.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-1-MSM_ALERT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is MSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-1-NSP_ALERT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The name of the application is NSP.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.
Message  ISAPI-SLOT#-1-SSM_ALERT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is SSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-1-SSN_ALERT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is SSN.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

ISAPI-SLOT#-2

Message  ISAPI-SLOT#-2-INVISTA_CRIT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The name of the application is INVISTA.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-2-MSM_CRIT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is MSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-2-NSP_CRIT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The name of the application is NSP.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-2-SSM_CRIT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is SSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.
Message  ISAPI-SLOT#-2-SSN_CRIT: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is SSN.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

ISAPI-SLOT#-3

Message  ISAPI-SLOT#-3-INVISTA_ERROR: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered an error. The name of the application is INVISTA.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-3-MSM_ERROR: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered an error. The card type is MSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-3-NSP_ERROR: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered an error. The name of the application is NSP.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-3-SSM_ERROR: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered an error. The card type is SSM.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

Message  ISAPI-SLOT#-3-SSN_ERROR: [chars]

Explanation  The Internet Server Application Programming Interface (ISAPI) has encountered an error. The card type SSN.

Recommended Action  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.
**ISAPI-SLOT#-4**

**Message**  ISAPI-SLOT#-4-INVISTA_WARN: [chars]

**Explanation**  This is an Internet Server Application Programming Interface (ISAPI) warning message from the application INVISTA.

**Recommended Action**  No action is required.

**Message**  ISAPI-SLOT#-4-MSM_WARN: [chars]

**Explanation**  This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is MSM.

**Recommended Action**  No action is required.

**Message**  ISAPI-SLOT#-4-NSP_WARN: [chars]

**Explanation**  This is an Internet Server Application Programming Interface (ISAPI) warning message. The name of the application is NSP.

**Recommended Action**  No action is required.

**Message**  ISAPI-SLOT#-4-SSM_WARN: [chars]

**Explanation**  This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is SSM.

**Recommended Action**  No action is required.

**Message**  ISAPI-SLOT#-4-SSN_WARN: [chars]

**Explanation**  This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is SSN.

**Recommended Action**  No action is required.

**ISAPI-SLOT#-5**

**Message**  ISAPI-SLOT#-5-INVISTA_NOTICE: [chars]

**Explanation**  This is an Internet Server Application Programming Interface (ISAPI) notification. The name of the application is INVISTA.

**Recommended Action**  No action is required.
Message   ISAPI-SLOT#-5-MSM_NOTICE:  [chars]

   Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is MSM.

   Recommended Action   No action is required.

Message   ISAPI-SLOT#-5-NSP_NOTICE:  [chars]

   Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The name of the application is NSP.

   Recommended Action   No action is required.

Message   ISAPI-SLOT#-5-SSM_NOTICE:  [chars]

   Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is SSM.

   Recommended Action   No action is required.

Message   ISAPI-SLOT#-5-SSN_NOTICE:  [chars]

   Explanation   This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is SSN.

   Recommended Action   No action is required.

ISAPI-SLOT#-6

Message   ISAPI-SLOT#-6-INVISTA_INFO:  [chars]

   Explanation   This is a message that indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The name of the application is INVISTA.

   Recommended Action   No action is required.

Message   ISAPI-SLOT#-6-MSM_INFO:  [chars]

   Explanation   This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is MSM.

   Recommended Action   No action is required.
Message  ISAPI-SLOT#-6-NSP_INFO: [chars]

Explanation  This is a message that indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The name of the application is NSP.

Recommended Action  No action is required.

Message  ISAPI-SLOT#-6-SSM_INFO: [chars]

Explanation  This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is SSM.

Recommended Action  No action is required.

Message  ISAPI-SLOT#-6-SSN_INFO: [chars]

Explanation  This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is SSN.

Recommended Action  No action is required.

ISAPI-SLOT#-7

Message  ISAPI-SLOT#-7-INVISTA_DEBUG: [chars]

Explanation  This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The name of the application is INVISTA.

Recommended Action  No action is required.

Message  ISAPI-SLOT#-7-MSM_DEBUG: [chars]

Explanation  This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is MSM.

Recommended Action  No action is required.

Message  ISAPI-SLOT#-7-NSP_DEBUG: [chars]

Explanation  This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI), specifically in the application: NSP.

Recommended Action  No action is required.
Message  ISAPI-SLOT#-7-SSM_DEBUG: [chars]

Explanation  This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is SSM.

Recommended Action  No action is required.

Message  ISAPI-SLOT#-7-SSN_DEBUG: [chars]

Explanation  This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is SSN.

Recommended Action  No action is required.

ISCM Messages

ISCM-2

Message  ISCM-2-APBR_CORRUPT: RISE APBR: in Corrupt State, RS IP: [chars], port: [dec], Proto: [dec], nhop IP: [chars], slot ID: [dec], vlan: [dec]. Reason: [chars].

Explanation  RMAP

Recommended Action  ACL cannot be completely deleted.

Message  ISCM-2-ITD_LICENSE_EXPIRED: ITD License: license grace-period expired. Please install ENHANCED_LAYER2_PKG.

Explanation  License or grace-period has expired.

Recommended Action  Take steps to renew license. Feature will be disabled.

Message  ISCM-2-ITD_LICENSE_MISSING: Feature ITD license missing: ENHANCED_LAYER2_PKG

Explanation  License does not exist when attempting to enable ITD feature.

Recommended Action  Acquire license or grace-period permission.

Message  ISCM-2-LICENSE_EXPIRED: RISE License: LAN_ENTERPRISE_SERVICES_PKG license has expired. RISE feature is being disabled.

Explanation  License or grace-period has expired.

Recommended Action  Take steps to renew license. Feature will be disabled.
Message ISC-2-LICENSE_MISSING: RISE License: LAN_ENTERPRISE_SERVICES_PKG does not exist.

Explanation License does not exist when attempting to enable RISE feature.

Recommended Action Acquire license or grace-period permission.

ISCM-3

Message ISC-3-APBR_ACLMGR_ERROR: RISE APBR: ACL was not [chars], apbr payload: [chars].

Explanation Acl was not created/deleted.

Recommended Action Check TCAM resource limit, and the sys admin.

Message ISC-3-APBR_INGRESS_INT_NOT_FOUND: RISE APBR: cant find the in progress interface for RSIP: [chars].

Explanation 7K cannot find a route to the real server.

Recommended Action Check real server network reachability in the current switch.

Message ISC-3-APBR_PURGE_ERROR: RISE APBR: Purge failure, slot id: [dec].

Explanation PBR entries for RISE cannot be deleted cleanly.

Recommended Action Manually delete pbr entries.

Message ISC-3-APBR_RPM_ERROR: RISE APBR: RPM returns internal error, rpm resp status: [dec], apbr payload: [chars].

Explanation Rmap step was not completed.

Recommended Action Check TCAM resource limit, or rmap collision on the same interface, and the sys admin.


Explanation URIB dropped this RHI request. See reason string with the following possibilities: 1. SVI for data vlan [dec] does not exist. 2. SVI for data vlan [dec] is down. 3. urib issues.

Recommended Action Take corrective action per the reason.
**ISCM-4**

Message **ISCM-4-APBR_MAX_LIMIT**: RISE APBR: Reached max apbr entries [dec] per RISE. slot id: [dec].

**Explanation** PBR entries for RISE cannot be deleted cleanly.

**Recommended Action** Manually delete pbr entries.

Message **ISCM-4-APBR_PBR_DISABLED**: RISE APBR: feature PBR Disabled.

**Explanation** APBR will not function correctly without pbr feature.

**Recommended Action** Manually enable pbr feature.

Message **ISCM-4-DISCOVERY_CHANNEL_DOWN**: RISE Channel down, slot id: [dec], Reason: [chars]

**Explanation** See reason string in the Message with the following possibilities: 1. Error in bootstrap/health-monitoring response. 2. Timed out while waiting for bootstrap/health-monitoring response. 3. Failed to send bootstrap/health-monitoring message. 4. Control VLAN interface is not operational. 5. RISE interface [chars] is not operational. 6. RISE interface [chars] does not have control VLAN [dec] as trunk member. 7. Control VLAN [dec] interface does not have valid IP. 8. RISE port channel po [dec] has no member ports. 9. Failed to send vlan-group. 10. RISE IP [chars] is already assigned to another service, slot id [dec].

**Recommended Action** Take corrective action per the reason.

Message **ISCM-4-ISSU_PRE_UPGRADE_TIMEOUT**: RISE ISSU: pre-upgrade timed out, reason: [chars].

**Explanation** See the reason.

**Recommended Action** Try again with the upgrade.

Message **ISCM-4-ISSU_UNEXPECTED_SLOT_MSG**: RISE ISSU: unexpected msg from slot [dec], opcode: [dec].

**Explanation** Application should not send msg during ISSU. iSCM will ignore.

**Recommended Action** No action is required.

Message **ISCM-4-LICENSE_EXPIRING**: RISE License: LAN_ENTERPRISE_SERVICES_PKG license will expiry in [dec] days [dec] hours [chars] seconds.

**Explanation** License or grace-period expiration warning.

**Recommended Action** Take steps to renew license. Prepare for feature disable.
ISCM-5

**Message**  ISCM-5-TRANSPORT_ISSUE: RISE Transport: slot [dec] failed to send, reason: [chars].

**Explanation**  See the reason.

**Recommended Action**  Check the network connectivity and the appliance status.

### ISNS Messages

This section contains the ISNS messages.

#### ISNS-2

**Message**  ISNS-2-ISNS_CFS_OPERATION_FAILED: iSNS CFS [chars] failed

**Explanation**  ISNS CFS operation failed

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  ISNS-2-ISNS_INIT: iSNS initialization of [chars] [chars]

**Explanation**  ISNS initialization failed

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### IVR Messages

This section contains the IVR messages.

#### IVR-2

**Message**  IVR-2-AUTOLEARN_ACTION_FAIL: failure happens during constructing virtual dynamic pfcid table

**Explanation**  This can happen if failure happens during building, distributing or committing the virtual dynamic pfcid table

**Recommended Action**  Please 1. check the fabric connection or 2. check current virtual user-configured pfcid entries and internally assigned virtual fcid entries for possible conflict
Message  IVR-2-AUTOLEARN_FEATURE_NOT_SUPPORT: some switches: [chars] dont support autolearn'

Explanation  This can happen if some switches does not support the virtual pfcid auto learn feature'

Recommended Action  Please upgrade the unsupported switches

Message  IVR-2-CFS_PEER_LOST_WITHIN_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes

Explanation  Due to port flaps, link outages, switch restart etc. a CFS peer switch of IVR was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. Also, IVR auto topology could be out of sync. with this peer. It is recommended that the user abort this CFS session using ivr abort command and then re-enter the configuration changes.

Recommended Action  No action is required.

Message  IVR-2-DEVICE_FCID_REWRITE_FAILURE: Failure while programming FCID rewrite entries for pWWN [chars] on incoming VSAN [dec]. Device may not be able to communicate with its peer devices, failure reason code: [hex]

Explanation  Failed to program FCID rewrite entries probably because the hardware ran out of FCID rewrite entries. This can happen if there are too many devices in Inter-VSAN zone or too many local VSANs in VSAN topology

Recommended Action  Reduce the number of devices involved in IVR in the active IVR zoneset. Also, reduce the number of redundant transit VSANs, if any

Message  IVR-2-DEVICE_VSAN_REWRITE_FAILURE: Failure while programming VSAN rewrite entries for pWWN [chars] on incoming VSAN [dec]. Device may not be able to communicate with its peer devices

Explanation  Failed to program VSAN rewrite entries probably because the hardware ran out of VSAN rewrite entries. This can happen if there are too many devices in Inter-VSAN zone or too many local VSANs in VSAN topology

Recommended Action  Reduce the number of domains involved in IVR by moving the members of active IVR zoneset to fewer switches. Also, reduce the number of redundant transit VSANs, if any
Message  IVR-2-INTEROP_MODE_2_OR_3_BP_FAILED: [chars] VSAN [dec] Virtual Domain [chars]

Explaination  Build Fabric (BF) failed in VSAN [dec]. The BF was initiated in order to remove an unused virtual domain [dec] from the fcdomain list in that VSAN. The virtual domain still remains in the fcdomain list and hence it would not be available in that VSAN for assignment.

Recommended Action  Perform a manual build fabric using fc domains interface if you would like to remove the unused virtual domain (s) from the fc domain list.

Message  IVR-2-INTEROP_MODE_2_OR_3_RDI_FAILED: VSAN [dec], requested domain [chars], received domain [chars] sWWN [chars]. Return Code [chars]

Explaination  Request Domain Identifier (RDI) command to allocate virtual domain [dec] failed in VSAN [dec]. Received another domain [chars] instead. IVR-members connected to third-party switch may not participate in IVR communications. It is likely that the domain requested in the RDI command is already in use.

Recommended Action  Reassign the domains so that the domain requested via RDI does not overlap with any existing domain in that VSAN.

Message  IVR-2-IVR_DISABLE_FAILED: Inter-VSAN Routing disable failed for reason: [chars]

Explaination  Inter-VSAN Routing disable failed for reason: [chars]. Cleanup might not have completed.

Recommended Action  Deactivate ivr zoneset and disable ivr again. If that fails, then the ivr process would terminate itself in 5 minutes.

Message  IVR-2-IVZS_ACTIVATION_FAILED_RETRYING: Inter-VSAN zoneset activation failed in VSAN [dec]: [chars]. retrying after [dec] seconds

Explaination  Inter-VSAN zoneset activation failed in VSAN [dec]: [chars]. This could be an intermittent regular zoneset activation error. The activation will be retried in [dec] seconds.

Recommended Action  No action is required.

Message  IVR-2-NO_LICENSE_SHUTDOWN: Inter-VSAN Routing is shutting down.

Explaination  License required for continued IVR operation is not available. Hence IVR is shutting down.

Recommended Action  Install appropriate license for IVR services and then enable IVR again.
Message  IVR-2-NO_LICENSE_WARNING: Inter-VSAN Routing would shutdown in \[dec\] seconds.

Explanation  License required for continued IVR operation is not available. Unless the required license is installed IVR would shutdown in \[dec\] seconds. IVR configurations would be lost.

Recommended Action  Install appropriate license for IVR services to continue to operate uninterrupted within \[dec\] seconds

Message  IVR-2-PERSISTENT_VIRTUAL_FCID_CONFLICT_WITH_AUTOLEARN: Persistent virtual fcid and dynamic pfcid entries

Explanation  This can happen if conflict happens during persistent virtual domain, or virtual fcid entry configuration.

Recommended Action  Please assign a non-conflict persistent virtual domain or fcid entry with current dynamic entries

Message  IVR-2-PERSISTENT_VIRTUAL_FCID_UNAVAILABLE: to vsan \[dec\] because the configured persistent virtual domain/fcid could not be assigned

Explanation  This can happen if the virtual domain/fcid configured by the user is - a) Already in use (either by IVR or a real switch) b) Not allowed due to interop mode or allowed domain list

Recommended Action  Please make sure that the configured virtual domain/fcid is allowed and available for use

Message  IVR-2-VIRTUAL_DOMAIN_CONFLICT: In VSAN \[dec\] virtual domain \[dec\] from native VSAN \[dec\] conflicts with native VSAN \[dec\] for the same virtual domain

Explanation  Currently advertised virtual domain \[dec\] in VSAN \[dec\] is native to VSAN \[dec\]. This switch has learned of a device that is member of active IVR zone and has the same domain ID, but belongs to a different native VSAN. This device would not be advertised in that VSAN until the domain conflict is resolved.

Recommended Action  No action is required.

Message  IVR-2-VIRTUAL_FCID_UNAVAILABLE: to vsan \[dec\] because the internally generated FCID conflicts with fcid assigned to WWN \[chars\]. Please configure fcid for WWN \[chars\] too

Explanation  This can happen if the virtual domain/fcid internally configured is already in use by another active device

Recommended Action  Please assign a different persistent virtual fcid by CLI command
### IVR-3

**Message**  IVR-3-AAM_MODE_CANNOT_CHANGE: AAM mode cannot be changed. Might cause the fabric NAT mode inconsistency

**Explanation**  Could be caused by ivr NAT is not enable

**Recommended Action**  No action is required.

**Message**  IVR-3-AAM_MODE_DEREGISTERED_FAILED: Abstract ACL Manager (AAM) mode deregister failed. Error code is [chars].

**Explanation**  Abstract ACL Manager (AAM) mode deregister failed

**Recommended Action**  No action is required.

**Message**  IVR-3-AAM_MODE_REGISTERED_FAILED: Abstract ACL Manager (AAM) register failed. Error code is [chars].

**Explanation**  Abstract ACL Manager (AAM) register failed

**Recommended Action**  No action is required.

**Message**  IVR-3-ACL_ERROR: ACL API, [chars], failed with error [chars]

**Explanation**  IVR invoked ACL API and received the error code. [chars] describes the API and [chars] specifies the error.

**Recommended Action**  No action is required.

**Message**  IVR-3-ACL_PERMIT_ENTRY_ERROR: ACL permit entry update on interface [chars] failed for reason: [chars]

**Explanation**  ACL could not program permit entries for IVR traffic. [chars] describes the interface named and [chars] describes the system Message from ACL. IVR traffic coming from the interface may be dropped.

**Recommended Action**  If the problem persists, please contact TAC, or your reseller for support.

**Message**  IVR-3-ACL_PLOGI_ENTRY_ERROR: PLOGI capture entry update in slot [dec] failed for reason: [chars]

**Explanation**  ACL could not program IVR PLOGI could not be programmed. slot[dec] describes the line card slot number and [chars] describes the system Message. PLOGI and its response may be dropped because ivr process cannot capture those frames.

**Recommended Action**  No action is required.
Message  IVR-3-APID_CONFLICT: [chars]

Explanation  AFID configuration is different at different ivr-enabled switches in the same VSAN. Change AFID configuration (auto mode) or vsan topology configuration (user mode) to make it consistent.

Recommended Action  No action is required.

Message  IVR-3-CFS_INVALID_PAYLOAD_RECEIVED: Inter-VSAN process received invalid payload from CFS.

Explanation  Inter-VSAN process received invalid payload from CFS.

Recommended Action  No action is required.

Message  IVR-3-CLEAR_FAILED: [chars]

Explanation  An error occurred while clearing the lock. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-COMMIT_FAILED: [chars]

Explanation  An error occurred while committing configuration. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-COMMIT_PARTIALLY_FAILED: [chars]

Explanation  An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure: [chars]. Configuration can be inconsistent in the fabric.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-COMMIT_REJECTED: [chars]

Explanation  Commit request received from remote switch is rejected. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**Message**  IVR-3-DDAS_LOCK_TIMER_EXPIRED: IVR database lock is released, as device-alias commit/abort notification is not received in the expected time frame.

**Explanation**  When device-alias sends the validation request, IVR database is locked and a timer is started. For any reason, if device-alias commit/abort notification is not received within the expected time frame, the lock timer gets expired and the lock is released. If device-alias commit notification is received after the lock is released, the changes are not applied and this could cause inconsistency between IVR and device-alias.

**Recommended Action**  No action is required.

**Message**  IVR-3-DEVICE_NOT_PRESENT_IN_FB_DB_FICON: Device with port WWN [chars] could not be exported to VSANs [chars] because its native switch is not present in the current active fabric binding database of those VSANs.

**Explanation**  This happens if ficon is enabled on VSANs [chars] and native switch of device with port WWN [chars] is not present in the current active fabric binding database of those VSANs. This is a requirement for ficon compliance.

**Recommended Action**  No action is required.

**Message**  IVR-3-DEVICE_ON_WRONG_NATIVE_AFID_VSAN: Device with port WWN [chars] (FCID:[chars], native VSAN [dec] native AFID [dec]) may not be exported to other VSANs (for Inter-VSAN zoning) because it has come online in VSAN [dec] AFID [dec]

**Explanation**  Device has come online on a AFID/VSAN different from the configured native AFID/VSAN

**Recommended Action**  No action is required.

**Message**  IVR-3-DEVICE_ON_WRONG_NATIVE_VSAN: Device with port WWN [chars] (FCID:[chars], native VSAN [dec]) may not be exported to other VSANs (for Inter-VSAN zoning) because domain [hex] exists in VSAN [dec]

**Explanation**  Device has come online on a VSAN different from the configured native VSAN or the device does not satisfy unique domain criteria.

**Recommended Action**  No action is required.

**Message**  IVR-3-DM_ERROR: Domain Manager API, [chars], failed with error [hex]

**Explanation**  IVR invoked DM API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action**  No action is required.
**Message** IVR-3-DOMAIN_DISALLOWED_IN_INTEROP: Device with port WWN [chars] and FCID [chars] may not be able to participate in Inter-VSAN zone since domain [dec] is disallowed in the interop mode for VSAN [dec]

**Explanation** VSAN interop modes place restrictions on what domain ranges are allowed. This domain is out of the range allowed for this interop mode. See the Cisco MDS 9000 Family Configuration Guide for details on the domain range limitations.

**Recommended Action** Change the domain of the switch to which this IVR zone member is connected so that it is within the allowed domain list for the interop mode. The domain identifier can be statically assigned using fcdomain interface. You can also configure a range of domains allowed in a VSAN using the fc domains allowed-domains' interface.

**Message** IVR-3-DOMAIN_UNAVAILABLE: Device with port WWN [chars] and FCID [chars] may not be able to participate in Inter-VSAN zone since domain [dec] is already assigned in VSAN [dec]

**Explanation** Device with port WWN [chars] and FCID [dec] may not be able to participate in Inter-VSAN zone since domain [dec] is already assigned in VSAN [dec].

**Recommended Action** No action is required.

**Message** IVR-3-FC2_ERROR: FC2 API [chars] failed with error [hex] for [chars]

**Explanation** IVR invoked FC2 API for [chars] socket and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-FCID_NAT_MODE_CANNOT_CHANGE: IVR NAT mode cannot be changed. Might cause the fabric NAT mode inconsistency

**Explanation** Could be caused by active zoneset, pending activation /deactivation or non-empty device list

**Recommended Action** No action is required.

**Message** IVR-3-FCID_REWRITE_REQUEST_TO_ACL_FAILED: fcid rewrite [chars] request vsan [dec] did [chars] sid [chars] failed:[chars]([hex]).

**Explanation** This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-3-INTERNAL_ERROR: Internal error: [chars]

**Explanation** IVR process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

**Recommended Action** No action is required.
Message  IVR-3-INVALID_ZONE_MEMBER_PROP.INTEROP_MODE_2_3: unsupported member/zone properties in interop mode 2 or 3 [chars]

Explanation  Inter-VSAN member properties incompatible with interop mode vsan

Recommended Action  No action is required.

Message  IVR-3-IVR_NAT_OFF.IS_SAB: Fcid-nat must be enabled before IVR zoneset activation for Sabre platform.

Explanation  Fcid-nat must be enabled before IVR zoneset activation for Sabre platform.

Recommended Action  No action is required.

Message  IVR-3-IVR_DU_VSAN.IS_SEGMENTED: AFID [dec] VSAN [dec] is segmented, VSAN is removed from the topology graph and hence no Inter-VSAN traffic can flow through this VSAN.

Explanation  DU Vsan Segmented, ivr traffic may be impact by du vsan segmentation.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-IVZ_ACTIVATION_FAILED_VSAN: Inter-VSAN zoneset [chars] activation failed in VSAN [dec]

Explanation  Inter-VSAN zoneset activation failed in VSAN.

Recommended Action  No action is required.

Message  IVR-3-IVZ_ACTIVATION_FAILED: Inter-VSAN zoneset [chars] activation failed

Explanation  Inter-VSAN zoneset activation failed.

Recommended Action  No action is required.

Message  IVR-3-IVZ_DEACTIVATION_FAILED_VSAN: Inter-VSAN zoneset [chars] deactivation failed in VSAN [dec]

Explanation  Inter-VSAN zoneset deactivation failed in VSAN.

Recommended Action  No action is required.

Message  IVR-3-IVZ_DEACTIVATION_FAILED: Inter-VSAN zoneset [chars] deactivation failed

Explanation  Inter-VSAN zoneset deactivation failed.

Recommended Action  No action is required.
Message  IVR-3-LOCK_FAILED: [chars]

Explanation  An error occurred while acquiring the lock. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-MERGE_ACTIVATION_FAILED: [chars]

Explanation  An error occurred while activating merged configuration. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-MERGE_FAILED: reason is [chars]

Explanation  An error occurred while merging configuration. The reason for the failure: [chars]

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  IVR-3-MTS_ERROR: MTS message transmission failed with error [dec]

Explanation  IVR process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec].

Recommended Action  No action is required.

Message  IVR-3-NS_ERROR: FCNS API, [chars], failed with error [hex]

Explanation  IVR invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action  No action is required.

Message  IVR-3-PSS_CFG_RESTORE_ERROR: Configuration restoration for [chars] failed with error [hex]

Explanation  IVR read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system err code.

Recommended Action  No action is required.
Message  IVR-3-PSS_ERROR: PSS operation [chars] returned error: [hex]

Explanation  [chars] specifies the context where the failure occurred and 0x[hex] specifies the error.

Recommended Action  No action is required.

Message  IVR-3-PSS_RTDB_RESTORE_ERROR: Runtime database restoration for [chars] failed with error [hex]

Explanation  IVR read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code.

Recommended Action  No action is required.

Message  IVR-3-QOS_IOD_UNDROP_REQUEST_TO_ACL_FAILED: qos iod undrop request vsan [dec] did [chars] failed: [chars].

Explanation  This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

Recommended Action  No action is required.

Message  IVR-3-RIB_ERROR: RIB API, [chars], failed with error [hex]

Explanation  IVR invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

Recommended Action  No action is required.


Explanation  This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

Recommended Action  No action is required.

Message  IVR-3-TOPOLOGY_COMPUTATION_FAILED: Inter-VSAN Topology computation has failed due to: [chars]

Explanation  Inter-VSAN Topology has failed due to [chars]. Possible reasons are (a) Number of APID/VSAN combination is more than the maximum supported value of 128, or (b) Number of ivr-enabled switches is more than the maximum supported value of 128.

Recommended Action  No action is required.
Message    IVR-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received

Explanation IVR process received unexpected MTS event. MTS opcode is specified in [dec].

Recommended Action No action is required.

Message    IVR-3-UNLOCK_FAILED: [chars]

Explanation An error occurred while releasing the lock. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message    IVR-3-VSAN_SEGMENTED: [chars]

Explanation VSAN is segmented. VSAN is removed from the topology graph and hence no Inter-VSAN traffic can flow through this VSAN.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message    IVR-3-ZS POLICY IS_DENY_NO_ACTIVE_ZS: Default zone behavior policy is deny on VSAN [dec] and there is no active zoneset

Explanation Default zone behavior is deny and there is no active zoneset. Inter-VSAN zone members may not be able communicate in this VSAN.

Recommended Action No action is required.

Message    IVR-3-ZS POLICY IS_PERMIT_NO_FORCE: Default zone behavior policy is permit on VSAN [dec] and the force option is off

Explanation Default zone behavior is permit and the force option is off. Inter-VSAN zoneset activation on this VSAN has failed.

Recommended Action No action is required.

Message    IVR-3-ZS POLICY IS_PERMIT_ZS_DEACTIVATED: Default zone behavior policy is permit on VSAN [dec] and regular zoneset deactivated

Explanation Default zone behavior is permit and regular zoneset is deactivated. Inter-VSAN zone members may not be able to communicate.

Recommended Action No action is required.
IVR-4

Message  IVR-4-AUTO_TOPOLOGY_UPDATE_DISCARDED: [chars]

Explanation  Received auto topology update is discarded due to conflicts

Recommended Action  No action is required.


Explanation  This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

Recommended Action  No action is required.

Message  IVR-4-PERSISTENT_VIRTUAL_DOMAIN_MERGE_CONFLICT: [chars]

Explanation  Merge failed due to conflict in the persistent virtual domain configuration

Recommended Action  No action is required.

Message  IVR-4-IVR_VDC_FORCEFUL_CLEANUP: IVR was removed with VDC delete/reload/suspend, Forceful cleanup was triggered.

Explanation  IVR was removed from an N7K switch via VDC delete/reload, which triggered a forceful cleanup.

Recommended Action  No action is required.

Message  IVR-4-IVR_REMOVED_PENDING_CFG: IVR was removed while there were still pending IVR configurations. Forceful cleanup was triggered and the pending configurations were not saved.

Explanation  IVR was removed from an N7K switch via VDC delete/reload, which triggered a forceful cleanup. The pending IVR configurations were not saved.

Recommended Action  No action is required.

Message  IVR-4-PERSISTENT_VIRTUAL_FCID_MERGE_CONFLICT: [chars]

Explanation  Merge failed due to conflict in the persistent virtual fcid configuration

Recommended Action  No action is required.
**Message** IVR-4-QOS_IOD_UNDROP_REQUEST_TO_ACL_FAILED_AND_RETRYING: qos iod undrop request vsan [dec] did [chars] failed:[chars]. Retrying the request again.

**Explanation** This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.


**Explanation** This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-4-UNKNOWN_NATIVE_VSAN: Unknown native VSAN for the virtual domain [dec] in VSAN [dec] local native VSAN for the same virtual domain is [dec]

**Explanation** Could not determine native VSAN of the currently advertised virtual domain [dec] in VSAN [dec]. This switch has learned of a device that is member of active IVR zone has the same domain ID, and belongs to native VSAN [dec]. This device would not be advertised in that VSAN until the native VSAN information is resolved.

**Recommended Action** No action is required.

**IVR-5**

**Message** IVR-5-AAM_MODE_DEREGISTERED: Abstract ACL Manager (AAM) mode has been deregistered

**Explanation** Abstract ACL Manager (AAM) mode has been deregistered

**Recommended Action** No action is required.

**Message** IVR-5-AAM_MODE_REGISTERED: Abstract ACL Manager (AAM) mode has been registered

**Explanation** Abstract ACL Manager (AAM) mode has been registered

**Recommended Action** No action is required.

**Message** IVR-5-FCID_NAT_MODE_ACTIVATED: FCID network address translation (NAT) mode has been activated

**Explanation** FCID network address translation (NAT) mode has been activated

**Recommended Action** No action is required.
Message IVR-5-FCID_NAT_MODE_DEACTIVATED: FCID network address translation (NAT) mode has been deactivated

Explanation FCID network address translation (NAT) mode has been deactivated

Recommended Action No action is required.

Message IVR-5-IVR_ASSERTION_FAILED: Unexpected assertion failure in File [chars] at Line [dec]

Explanation An assertion failed in IVR code

Recommended Action No action is required.

Message IVR-5-IVR_DU_VSAN_NO_LONGER_SEGMENTED: AFID [dec] VSAN [dec] is no longer segmented

Explanation VSAN is no longer segmented. VSAN is added back to the topology graph and hence Inter-VSAN traffic can now flow through this VSAN.

Recommended Action No action is required.

Message IVR-5-IVZS_ACTIVATION_RETRYING: Inter-VSAN zoneset activation did not go through because of [chars], retrying in VSAN [dec] after [dec] seconds

Explanation Inter-VSAN zoneset activation failed because of [chars] in VSAN [dec]. This could be an intermittent regular zoneset activation error. The activation will be retried in [dec] seconds.

Recommended Action No action is required.

Message IVR-5-IVZS_WAITING_FOR_LOWEST_SWWN: Waiting for lowest switch WWN Inter-VSAN enabled switch in VSAN [dec]

Explanation Only lowest switch WWN Inter-VSAN enabled switch adds the Inter-VSAN zones to the regular active zoneset in a VSAN. This local switch is not the lowest sWWN switch in VSAN [dec]

Recommended Action No action is required.

Message IVR-5-IVZ_ACTIVATED_VSAN: Inter-VSAN zoneset [chars] activated in VSAN [dec]

Explanation Inter-VSAN zoneset activated in VSAN[dec].

Recommended Action No action is required.
Message  IVR-5-IVZ_ACTIVATED: Inter-VSAN zoneset [chars] activated

Explanation  Inter-VSAN zoneset activated[dec].

Recommended Action  No action is required.

Message  IVR-5-IVZ_CLEANUP_DONE_BY_TIMER: Inter-VSAN clean-up is not done after waiting for 5 minutes

Explanation  Inter-VSAN related configuration might not be cleaned up before the ivr process is terminated

Recommended Action  If the problem persists, you may have to reboot your switch to clean up the old IVR configuration

Message  IVR-5-IVZ_CLEANUP_DONE: Inter-VSAN clean-up is done

Explanation  Inter-VSAN related configuration is cleaned up before exiting.

Recommended Action  No action is required.

Message  IVR-5-IVZ_DEACTIVATED_VSAN: Inter-VSAN zoneset [chars] deactivated in VSAN [dec]

Explanation  Inter-VSAN zoneset deactivated in VSAN[dec].

Recommended Action  No action is required.

Message  IVR-5-IVZ_DEACTIVATED: Inter-VSAN zoneset [chars] deactivated

Explanation  Inter-VSAN zoneset deactivated [dec].

Recommended Action  No action is required.

Message  IVR-5-IVZ_PARTIALLY_ACTIVATED: Inter-VSAN zoneset [chars] partially activated

Explanation  Inter-VSAN zoneset activated[dec].

Recommended Action  Check if it is successful in all VSANs by doing show IVR zoneset status.

Message  IVR-5-IVZ_PARTIALLY_DEACTIVATED: Inter-VSAN zoneset [chars] partially deactivated

Explanation  Inter-VSAN zoneset deactivated [dec].

Recommended Action  Check if it is successful in all VSANs by doing show IVR zoneset status.
Message  IVR-5-LICENSE_CHECKIN_FAILED: Failed to checkin [chars] license: Err=[chars]  
Explanation  Failed to checkin [chars] license  
Recommended Action  No action is required.

Message  IVR-5-SERVICE_GROUP_ACTIVATED: Inter-VSAN Service Group has been activated  
Explanation  Inter-VSAN Service Group has been activated.  
Recommended Action  No action is required.

Message  IVR-5-SERVICE_GROUP_DEACTIVATED: Inter-VSAN Service Group has been deactivated  
Explanation  Inter-VSAN Service Group has been deactivated.  
Recommended Action  No action is required.

Message  IVR-5-VSAN_NO_LONGER_SEGMENTED: [chars]  
Explanation  VSAN is no longer segmented. VSAN is added back to the topology graph and hence Inter-VSAN traffic can now flow through this VSAN.  
Recommended Action  No action is required.

Message  IVR-5-VSAN_TOPOLOGY_ACTIVATED: Inter-VSAN Topology has been activated  
Explanation  Inter-VSAN Topology has been activated.  
Recommended Action  No action is required.

IVR-6

Message  IVR-6-DRAV_ASYNC_DOMAIN_RELEASE: [chars]  
Explanation  DRAV FSM has unconditionally released a domain due to conflict after a fabric merge. The details are in [chars]  
Recommended Action  No action is required.

Message  IVR-6-DRAV_CRITICAL_RETRY_EXCEED: [chars]  
Explanation  DRAV FSM frames are attempted to be resent. The details are in [chars]  
Recommended Action  No action is required.
**Message**  IVR-6-DRAV_DOMAIN_ALLOC: Virtual domain [dec] for Native AFID: [dec] Native VSAN [dec]

**Explanation**  A virtual domain indicated by [dec] has been reserved for a device with native AFID [dec] and native VSAN [dec]

**Recommended Action**  No action is required.

**Message**  IVR-6-DRAV_DOMAIN_RELEASE: Virtual domain [dec] for Native AFID: [dec] Native VSAN [dec]

**Explanation**  A virtual domain indicated by [dec] has been released used by devices with native AFID [dec] and native VSAN [dec]

**Recommended Action**  No action is required.

**Message**  IVR-6-DRAV_TOPO_UPDATE: [chars]

**Explanation**  DRAV FSM Topology has been updated as indicated by [chars]

**Recommended Action**  No action is required.

**Message**  IVR-6-LICENSE_VALID: A valid license for Inter-VSAN Routing has been obtained

**Explanation**  A valid license for Inter-VSAN Routing has been obtained

**Recommended Action**  No action is required.

**IVR-7**

**Message**  IVR-7-CFS_REQ_RCVD: [chars]

**Explanation**  CFS request is received. The WWN of the switch originated this request and the rr-token of the request are provided in the syslog message.

**Recommended Action**  No action is required.

**Message**  IVR-7-CFS_RESP_SENT: [chars]

**Explanation**  CFS response is sent. The rr-token of the corresponding request and the status are provided in the syslog message

**Recommended Action**  No action is required.
KERN Messages

**Message** &KERN-2-SYSTEM_MSG: [char]

**Explanation** Kernel messages provide additional information about the applications and help debug application errors.

**Recommended Action** No action is required.

L2FMC Messages

This section contains the L2FMC messages.

**L2FMC-SLOT#-0**

**Message** L2FMC-SLOT#-0-L2FMC_CLI_INIT_FAILED: CLI library initialization failed!

**Explanation** L2FMC failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-0-L2FMC_TIMER_INIT_FAILED: Timer subsystem initialization failed!

**Explanation** L2FMC failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

**L2FMC-SLOT#-2**

**Message** L2FMC-SLOT#-2-L2FMC_MEM_ALLOC: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-2-L2FMC_VLAN_NOT_FOUND: VLAN [dec] not found in L2FMC database!

**Explanation** L2FMC failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

**Recommended Action** No action is required.
**L2FMC-SLOT#-5**

**Message**  L2FMC-SLOT#-5-L2FMC_GLBL_AGE_CONFIG_FAIL: Global age value configuration to [dec] seconds failed!

**Explanation**  L2FMC failed to configure global default age to [dec] seconds.

**Recommended Action**  No action is required.

**Message**  L2FMC-SLOT#-5-L2FMC_VLAN_AGE_CONFIG_FAIL: VLAN Age configuration to [dec] seconds failed!

**Explanation**  L2FMC failed to configure age for VLAN [dec] to [dec] seconds.

**Recommended Action**  No action is required.

**L2FMC-SLOT#-6**

**Message**  L2FMC-SLOT#-6-L2FMC_GLBL_AGE_CONFIGURED: Global age value configured to [dec] seconds.

**Explanation**  L2FMC has successfully configured global default age to [dec] seconds.

**Recommended Action**  No action is required.

**Message**  L2FMC-SLOT#-6-L2FMC_INITIALIZED: Internal state created [chars]

**Explanation**  L2FMC has created its internal state stateless/stateful [chars].

**Recommended Action**  No action is required.

**Message**  L2FMC-SLOT#-6-L2FMC_VDC_CREATED: VDC [dec] created

**Explanation**  Request to create VDC [dec] in L2FMC was successful.

**Recommended Action**  No action is required.

**Message**  L2FMC-SLOT#-6-L2FMC_VDC_REMOVED: VDC [dec] Removed

**Explanation**  L2FMC has successfully removed VDC [dec] from its databases.

**Recommended Action**  No action is required.
Message L2FMC-SLOT#-6-L2FMC_VLAN_CREATED: VLAN [dec] created
Explanation L2FMC has added VLAN [dec].
Recommended Action No action is required.

Message L2FMC-SLOT#-6-L2FMC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]
Explanation L2FMC has successfully removed VLAN [dec] from VDC [dec].
Recommended Action No action is required.

Explanation L2FMC has successfully configured age for VLAN [dec] to [dec] seconds.
Recommended Action No action is required.

L2FM Messages
This section contains the L2FM messages.

L2FM-0

Message L2FM-0-L2FM_CLI_INITIALIZATION_FAILED: CLI library initialization failed!
Explanation Failed to initialize CLI infrastructure's backend library. This is a fatal error.
Recommended Action No action is required.

Message L2FM-0-L2FM_VDC_GWMAC_GET_FAILED: Failed to get gwmac for VDC
Explanation Failed to get gwmac for VDC.
Recommended Action No action is required.

Message L2FM-0-L2FM_WRITE_TO_PSS_FAILED_IN_PREVIOUS_INCARNATION: PSS Write Failed in previous incarnation. Stateful restart not possible
Explanation PSS Write Failed in previous incarnation. Stateful restart not possible
Recommended Action No action is required.
L2FM-1

**Message** L2FM-1-L2FM_CRDCFG_ERROR: L2fm queried Card config for slot info and it has returned error. The slot may not have been added correctly

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-1-L2FM_LINE_FULL_CONDITION_STRING: Unable to insert the MAC as hardware lines are full

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-1-L2FM_LINE_FULL_CONDITION: Unable to insert the MAC as hardware lines are full

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-1-L2FM_ORIB_SENDS_INCORRECT_IFIDX: Incorrect ifidx received from Orib. Please check mac [chars] vlan [dec]

**Explanation** L2fm has received a mac insert/delete from Orib with incorrect ifidx. Please check otv mac entries.

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM_OWNER_NOT_FOUND: Error: fe owner not found for mac entry [chars] in age not if sent from slot = [dec], fe = [dec]

**Explanation** L2fm has received an age notification from the linecard but does not have the mac owner in its database

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM_SDB_NOT_FLUSHED: Error: [dec] mac entries have not flushed from l2fm sdb

**Explanation** Due to an internal error l2fm has not written mac entries to its sdb

**Recommended Action** No action is required.
Note: The original message texts contain placeholders for values that are not specified in the text. These placeholders should be replaced with actual values when the message is generated.

**Message** L2FM-1-L2FM_SMAC_DUP_FOUND: Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]

**Explanation** Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM_WRITE_TO_PSS_FAILED: Failed to write to PSS err [chars]

**Explanation** Failed to write to PSS err [chars]

**Recommended Action** No action is required.

**L2FM-2**

**Message** L2FM-2-L2FM_AGING_TIME_SET_FAILED: Failed to set age time [dec] for vlan [dec]

**Explanation** Failed to set age time [dec] for vlan [dec].

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM_CFS_OUT_OF_ORDER: Error: Received Message for STATIC MAC INSERT/DELETE as Out Of Order from vpc peer due to congestion. Please check mac programming for Router macs. Flap interface-vlans if necessary to correct the programming

**Explanation** Messages over peer-link could be received out of order due to congestion

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM_GLBL_AGING_TIME_SET_FAILED: Failed to set global age time [dec]

**Explanation** Failed to set global age time [dec]

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM_SMAC_INS_FAILED: Failed to insert static mac for VLAN:[dec] MAC:[chars] IfIndex:[hex] Slot:[dec]

**Explanation** No action is required.

**Recommended Action** L2fm
**Message** L2FM-2-L2FM_UPDATE_LOST_HINTS: mac [hex]:[hex]:[hex]:[hex]:[hex]:[hex] updated by slot [dec] fe_index [dec], from [hex] to [hex], with [hex] new hints and loosing%08 old_hints. stack trace: [chars]

**Explanation** An update from MTM looks inconsistent with the previous state

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM_CONTINUOUS_MAC_MOVE: Mac Address [chars] in Vlan[dec] is moving continuously

**Explanation** Mac address in VLAN is moving continuously

**Recommended Action** Enable sev 4 L2FM syslog. Check L2FM-4-L2FM_MAC_MOVE to figure out between which ports the mac is moving.

**L2FM-4**

**Message** L2FM-4-L2FM_MAC_MOVE: Mac [chars] in vlan [dec] has moved from [chars] to [chars]

**Explanation** Mac [string] in vlan [dec] has moved from [string] to [string]

**Recommended Action** No action is required.

**L2FM-5**

**Message** L2FM-5-L2FM_VLAN_MODE_CHANGE_TO_NON_CONV: Vlan [dec] has been internally changed to non conversational mode on SVI CREATE

**Explanation** Change vlan learning mode to non conversational mode on SVI CREATE

**Recommended Action** No action is required.

**Message** L2FM-5-L2FM_VLAN_MODE_REVERTED_BACK: Vlan [dec] has been internally changed to user configured learning mode on SVI DELETE. Mac entries installed non-optimally due to SVI up will get removed from all FEs once ages out

**Explanation** Change vlan learning mode to user configured value on SVI DELETE

**Recommended Action** No action is required.
L2FM-6

Message  L2FM-6-L2FM_DYN_MAC_INS_FAILED: Dynamic mac insertion failure!fail_cnt:
[dec] Slot:[dec]

Explanation  Failed to insert dynamic macs fail_cnt:[dec] for Slot:[Slot]

Recommended Action  No action is required.

Message  L2FM-6-L2FM_MTS_SEND_FAILED: Failed to send MTS message errno [hex] opcode
[dec]

Explanation  No action is required.

Recommended Action  L2fm

L2MCAST Messages

This section contains the L2MCAST messages.

L2MCAST-SLOT#-0

Message  L2MCAST-SLOT#-0-L2MCAST_CLI_INIT_FAILED: CLI library initialization
failed!

Explanation  L2MCAST failed to initialize CLI infrastructure's backend library. This is a fatal error.

Recommended Action  No action is required.

Message  L2MCAST-SLOT#-0-L2MCAST_TIMER_INIT_FAILED: Timer subsystem initialization
failed!

Explanation  L2MCAST failed to initialize timer library. This is a fatal error.

Recommended Action  No action is required.

L2MCAST-SLOT#-2

Message  L2MCAST-SLOT#-2-L2MCAST_MAC_FULL_LC: Failed to insert entry in MAC table
for FE [dec] swidx [dec] {{hex}} with err {{chars}}. To avoid possible multicast
traffic loss, disable OMF. Use the configuration CLI: "no ip igmp snooping
optimise-multicast-flood"

Explanation  Failed to program the MAC table. MAC table line full for this entry

Recommended Action  No action is required.
Message L2MCAST-SLOT#-2-L2MCAST_VLAN_NOT_FOUND: VLAN [dec] not found in L2MCAST database!

Explanation L2MCAST failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

Recommended Action No action is required.

Message L2MCAST-SLOT#-2-L2MCAST: Memory allocation failed. [chars]

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

L2MCAST-SLOT#-3

Message L2MCAST-SLOT#-3-L2MCAST_HW_INSTALL_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!

Explanation L2MCAST failed to insert bd, g, s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

Recommended Action No action is required.

L2MCAST-SLOT#-6

Message L2MCAST-SLOT#-6-L2MCAST_HW_INSTALL_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!

Explanation L2MCAST failed to insert bd, g, s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

Recommended Action No action is required.

Message L2MCAST-SLOT#-6-L2MCAST_INITIALIZED: Internal state created [chars]

Explanation L2MCAST has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

Message L2MCAST-SLOT#-6-L2MCAST_VDC_CREATED: VDC [dec] created

Explanation Request to create VDC [dec] in L2MCAST was successful.

Recommended Action No action is required.
Message L2MCAST-SLOT#-6-L2MCAST_VDC_REMOVED: VDC [dec] Removed
Explanation L2MCAST has successfully removed VDC [dec] from its databases.
Recommended Action No action is required.

Message L2MCAST-SLOT#-6-L2MCAST_VDC_VLAN_CREATED: VLAN [dec] created
Explanation L2MCAST has added VLAN [dec].
Recommended Action No action is required.

Message L2MCAST-SLOT#-6-L2MCAST_VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]
Explanation L2MCAST has successfully removed VLAN [dec] from VDC [dec].
Recommended Action No action is required.

L3VM Messages

This section contains the L3VM messages.

L3VM-5

Message L3VM-5-FP_TPG_CREATE: Fabricpath topology [dec] created
Explanation FP-Topology created
Recommended Action No action is required.

Message L3VM-5-FP_TPG_DELETE: Fabricpath topology [dec] deleted
Explanation FP-Topology deleted
Recommended Action No action is required.

Message L3VM-5-FP_TPG_INTF_DOWN: Interface [chars] down in fabricpath topology [dec] [chars]
Explanation Interface in a FP-Topology went down
Recommended Action No action is required.
Message  L3VM-5-FP_TPG_INTF_UP: Interface [chars] up in fabricpath topology [dec]

Explanation  Interface in a FP-Topology is up

Recommended Action  No action is required.

LACP Messages

This section contains the LACP messages.

LACP-3

Message  LACP-3-GENERAL_ERROR: [chars]

Explanation  General error

Recommended Action  No action is required.

Message  LACP-3-LACP_SUSPEND_HALF_DUPLEX_PORT: Port [chars] is in half duplex mode. suspend port

Explanation  LACP is not supported in half duplex mode. Suspend port

Recommended Action  No action is required.

Message  LACP-3-LACP_SUSPEND_MINLINK: LACP port [chars] of port-channel [chars] is suspended as min-link requirement not met.

Explanation  LACP suspend ports due to min-link

Recommended Action  No action is required.

Message  LACP-3-LACP_UPGRADE_READY_FAILED: Upgrade ready failed.

Explanation  Upgrade ready event failed because at least one port channel member is in intermediate state.

Recommended Action  No action is required.

Message  LACP-3-PACKET_TRANSMIT_ERR: [chars]: Could not send LACP packet err=[dec]

Explanation  There was an error in sending LACP packet

Recommended Action  No action is required.
**Message** LACP-3-SYN_COLL_DIS_EN: [chars] [[chars]]: SYNC, COLLECT and DISTRIBUTE flags enabled too early by partner

**Explanation** Potential interop issue. Partner system seems to have enabled sync as well collecting or distributing flags too early even before actor has selected an aggregation

**Recommended Action** No action is required.

**Message** LACP-3-SYSTEM_MAC_ERR: [chars]: Could not get system mac [[chars]]

**Explanation** There was an error in acquiring system mac from VDC Mgr

**Recommended Action** No action is required.

**LACP-4**

**Message** LACP-4-LACP_LOG_PARTNER_PDU_MISS

**Explanation** LACP port missed receiving PDU from the peer port

**Recommended Action** No action is required.

**Message** LACP-4-LACP_LOG_PARTNER_REPORTING_PDU_MISS

**Explanation** LACP port detects that the peer port missed getting PDU from the LACP port

**Recommended Action** No action is required.

**Message** LACP-4-LACP_LOG_PDU_TX_DELAY

**Explanation** LACP port shows delay in transmitting PDU

**Recommended Action** No action is required.

**LACP-5**

**Message** LACP-5-LACP_DISABLED: LACP Disabled

**Explanation** LACP Service Disabled

**Recommended Action** No action is required.

**Message** LACP-5-LACP_DOES_NOT_MEET_MINLINK_REQ: LACP port-channel [chars] is brought down as min-link requirement not met.

**Explanation** LACP port-channel down as min-link requirement not met

**Recommended Action** No action is required.
Message  LACP-5-LACP_ENABLED: LACP Enabled
Explanation  LACP Service Enabled
Recommended Action  No action is required.

Message  LACP-5-LACP_MEETS_MINLINK_REQ: LACP port-channel [chars] meets min-link requirement. Reint port-channel
Explanation  LACP port-channel meets min-link requirement
Recommended Action  No action is required.

Message  LACP-5-LACP_REMOTE_NOTIFY_SUCCESS: Remote notify event.
Explanation  Remote notify event was successful.
Recommended Action  No action is required.

Message  LACP-5-LACP_SUSPEND_INDIVIDUAL: LACP port [chars] of port-channel [chars] not receiving any LACP BPDUs suspending (individual) port
Explanation  LACP suspend individual ports
Recommended Action  No action is required.

Message  LACP-5-LACP_UPGRADE_READY_SUCCESS: Upgrade ready successful.
Explanation  Upgrade ready event is successful as all port channel members are in steady state.
Recommended Action  No action is required.

Message  LACP-5-PORT_PRIORITY_CHANGED: [chars]: LACP port priority changed from [dec] to [dec]
Explanation  LACP port priority has been changed
Recommended Action  No action is required.

Message  LACP-5-SYSTEM_PRIORITY_CHANGED: LACP system priority changed from [hex] to [hex]
Explanation  LACP system priority has been changed
Recommended Action  No action is required.
LC-FCFWD Messages

This section contains the LC-FCFWD messages.

**LC-FCFWD-3**

Message  LC-FCFWD-3-ERROR: [chars]

Explanation  Lc_fcfwd encountered an error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC-QOS Messages

This section contains the LC-QOS messages.

**LC-QOS-3**

Message  LC-QOS-3-ERROR: [chars]

Explanation  Lc_qos_mgr encountered an error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC-SPAN Messages

This section contains the LC-SPAN messages.

**LC-SPAN-3**

Message  LC-SPAN-3-ERROR: [chars]

Explanation  Lc_span_mgr encountered an error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LC_CFG Messages

This section contains the L2_CFG messages.
**LC_CFG-SLOT#-2**

**Message** LC_CFG-SLOT#-2-LC2_CPU_ERRORS: [chars], Total IC [dec], DC [dec], Tag [dec], MBit [dec], SBit [dec], I30 [dec]

**Explanation** LC CPU Cache errors.

**Recommended Action** No action is required.

**Message** LC_CFG-SLOT#-2-LC_CFG_ABORT: registration aborted with code [dec]

**Explanation** Process lc_cfg_mgr aborted registration

**Recommended Action** No action is required.

**Message** LC_CFG-SLOT#-2-LC_CFG_EXITED: exited with code [dec]

**Explanation** Process lc_cfg_mgr exited

**Recommended Action** No action is required.

**LC_MNT_MGR Messages**

This section contains the LC_MNT_MGR messages.

**LC_MNT_MGR-SLOT#-2**

**Message** LC_MNT_MGR-SLOT#-2-LC_MNT_MGR_ERROR: [chars]

**Explanation** Lc_mnt_mgr syslog message

**Recommended Action** No action is required.

**LC_PORT_CHANNEL Messages**

This section contains the LC_PORT_CHANNEL messages.

**LC_PORT_CHANNEL-SLOT#-0**

**Message** LC_PORT_CHANNEL-SLOT#-0-HW_FAILURE: fatal error in configureing [chars]: [chars]

**Explanation** Fatal hardware error in port-channel configuration

**Recommended Action** Reset the module
Message LC_PORT_CHANNEL-SLOT#-0-IDX_FULL: D_IDX table full (current [dec], new [dec], total [dec])

Explanation  Programming error in port-channel configuration

Recommended Action  Reset the module

LC_PORT_CHANNEL-SLOT#-1

Message LC_PORT_CHANNEL-SLOT#-1-MALLOC_FAILED: cannot allocate memory (size [dec])

Explanation  No enough memory

Recommended Action  No action is required.

LC_PORT_CHANNEL-SLOT#-3

Message LC_PORT_CHANNEL-SLOT#-3-LC_PORT_CHANNEL_ERROR: [chars]

Explanation  General error

Recommended Action  No action is required.

Message LC_PORT_CHANNEL-SLOT#-3-LC_PORT_CHANNEL_IDXMAP_FAILURE: could not lookup port index for interface [chars]

Explanation  Could not look up port index

Recommended Action  No action is required.

LC_PORT_MGR Messages

This section contains the LC_PORT_MGR messages.

LC_PORT_MGR-SLOT#-2

Message LC_PORT_MGR-SLOT#-2-LC_MTS_ERROR: An MTS error has occurred in ([chars]) with the following conditions: opc=[dec] ssap=[hex] dsap=[hex] syserr=[hex]

Explanation  This is a software error in message communication between two applications.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
LC_RDL Messages

This section contains the LC_RDL messages.

**LC_RDL-3**

**Message** LC_RDL-3-SYSLOG_ALLOC_FAIL:: [chars]
**Explanation** RDL malloc failed: [chars]
**Recommended Action** No action is required.

**Message** LC_RDL-3-SYSLOG_CONTEXT_ERR:: [chars] [dec]
**Explanation** RDL context error: [chars] [dec]
**Recommended Action** No action is required.

**Message** LC_RDL-3-SYSLOG_ERR: [chars]
**Explanation** RDL syslog errors: [chars]
**Recommended Action** No action is required.

**Message** LC_RDL-3-SYSLOG_EXIT:: [chars]
**Explanation** RDL exiting on errors: [chars]
**Recommended Action** No action is required.

**Message** LC_RDL-3-SYSLOG_INIT_FAIL: [chars] [chars]
**Explanation** RDL Init Failed: [chars] [chars]
**Recommended Action** No action is required.

**Message** LC_RDL-3-SYSLOG_MTS_ERR:: [chars]
**Explanation** RDL MTS errors: [chars]
**Recommended Action** No action is required.

**Message** LC_RDL-3-SYSLOG_MTS_REG_FAILED:: [dec] [dec]
**Explanation** RDL context error: [dec] [dec]
**Recommended Action** No action is required.
LC_RDL-6

Message LC_RDL-6-SYSLOG_DEBUG_1:: [chars] [hex]
Explanation RDL Debug logs: [chars] [dec]
Recommended Action No action is required.

Message LC_RDL-6-SYSLOG_DEBUG_2:: [chars] [hex]
Explanation RDL Debug logs: [chars] [dec]
Recommended Action No action is required.

Message LC_RDL-6-SYSLOG_INFO:: [chars]
Explanation RDL Debug logs: [chars]
Recommended Action No action is required.

Message LC_RDL-6-SYSLOG_RESP_RCVD:: [chars] [dec]
Explanation RDL context error: [chars] [dec]
Recommended Action No action is required.

LDAP Messages

This section contains the LDAP messages.

LDAP-2

Message LDAP-2-LDAP_PROGRAM_EXIT: LDAP daemon exiting: [chars]
Explanation LDAP daemon is exiting.
Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LDAP-3

Message LDAP-3-LDAP_ERROR_MESSAGE: [chars]
Explanation LDAP Message
Recommended Action No action is required.
LDAP-5

Message LDAP-5-LDAP_MONITOR_STATUS: [chars] [chars]
Explanation Notifying LDAP server monitor status change
Recommended Action No action is required.

Message LDAP-5-LDAP_SERVER_STATUS: [chars] server [chars] with port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]
Explanation Notifying Lap server status change
Recommended Action No action is required.

LDAP-6

Message LDAP-6-LDAP_MESSAGE: [chars]
Explanation LDAP Message
Recommended Action No action is required.

LDP Messages

LDP-5

Message LDP-5-LDP_DISABLED: LDP Disabled
Explanation MPLS_LDP Service Disabled
Recommended Action No action is required.

Message LDP-5-LDP_ENABLED: LDP Enabled
Explanation MPLS_LDP Service enabled
Recommended Action No action is required.

LED_MGR Messages

This section contains the LED_MGR messages.
LED_MGR-SLOT#-3

Message LED_MGR-SLOT#-3-LED_MGR_EXITED: LED Manager application exited (syserr = \[dec\], errno = \[dec\])

Explanation LED Manager application exited

Recommended Action No action is required.

Message LED_MGR-SLOT#-3-LED_MGR_SELECT_ERR: LED Manager application call to select() returned \[dec\], (errno = \[dec\])

Explanation LED Manager application received error from select()

Recommended Action No action is required.

LIBBASE_SVC Messages

This section contains the LIBBASE_SVC messages.

LIBBASE_SVC-2

Message LIBBASE_SVC-2-IT_NEXUS_MAX_INTERFACE_LIMIT_REACHED: [chars] cannot be bound for site [chars], as the interfaces reached the maximum flow limit

Explanation IT Load Balancing failed

Recommended Action No action is required.


Explanation An SME Cluster Message was aborted by the Cluster process

Recommended Action No action is required.

LIBBASE_SVC-4

Message LIBBASE_SVC-4-FCR_VER2_NOT_ENABLED: FCR Version2 is not enabled. May affect flows. Please enable fc-redirect version2

Explanation FCR Version2 not enabled

Recommended Action No action is required.
LIBBASE_SVC-5

Message  LIBBASE_SVC-5-FLOW_NOT_ALLOWED: Flow [chars] <-

Explanation  Flow creation failed

Recommended Action  No action is required.


Explanation  IT Nexus bind failed

Recommended Action  No action is required.

Message  LIBBASE_SVC-5-IT_NEXUS_OPTIMUM_INTERFACE_LIMIT_REACHED: Interface [chars] exceeded the optimum flow limit

Explanation  Interface Flow Limit

Recommended Action  No action is required.

LIBGD Messages

This section contains the LIBGD messages.

LIBGD-2

Message  LIBGD-2-GD_ACCESS_FAILED: Guardian Failed to access reg for [chars]

Explanation  Guardian Access failed

Recommended Action  No action is required.

Message  LIBGD-2-GD_CATASTROPHIC: Guardian catastrophic failure: [chars]

Explanation  Guardian catastrophic error

Recommended Action  No action is required.

Message  LIBGD-2-GD_INTR: Guardian Interrupt occurred: [chars]

Explanation  Interrupt occurred on the Guardian

Recommended Action  No action is required.
Message   LIBGD-2-SHUTDOWN: Guardian software process exiting: [chars]

Explanation   Guardian shutting down

Recommended Action   No action is required.

LIBGD-3

Message   LIBGD-3-EN_DATA_FAILED: Guardian enable port failed for inst:[dec] port:[dec]

Explanation   Guardian Enable port failed for the guardian

Recommended Action   No action is required.

LIBGD-5

Message   LIBGD-5-STARTING: Guardian process starting

Explanation   Guardian process is being started

Recommended Action   No action is required.

LIBGD-6

Message   LIBGD-6-DIS_DATA: Guardian disable port done for inst:[dec] port:[dec]

Explanation   Disabled port successfully for guardian

Recommended Action   No action is required.

Message   LIBGD-6-EN_PORT: Guardian enable port done for inst:[dec] port:[dec]

Explanation   Enabled port for the Guardian

Recommended Action   No action is required.

Message   LIBGD-6-HW_INIT: Guardian HW initialization has been done for inst: [dec] port: [dec]

Explanation   Guardian HW initialization has been called [dec]

Recommended Action   No action is required.

LIBIFMGR Messages

This section contains the LIBIFMGR messages.
LIBIFMGR-5

**Message** LIBIFMGR-5-ALL_COUNTERS_CLEARED: All interface counters cleared by user

**Explanation** All interface counters cleared by user.

**Recommended Action** LOG_STD_SH_TECH_ACTION

**Message** LIBIFMGR-5-INTF_COUNTERS_CLEARED: Interface [chars] counters cleared by user

**Explanation** Interface counters cleared by user.

**Recommended Action** LOG_STD_SH_TECH_ACTION

LICMGR Messages

This section contains the LICMGR messages.

LICMGR-0

**Message** LICMGR-0-LOG_LIC_GRACE_EXPIRED: Grace period expired for feature [chars].

**Explanation** Unlicensed feature [chars] has exceeded its grace time period. Applications using will be shut down immediately.

**Recommended Action** Please install the license file to continue using the feature.

LICMGR-1

**Message** LICMGR-1-LOG_LIC_LICENSE_EXPIRED: Evaluation license expired for feature [chars].

**Explanation** The named feature has exceeded its evaluation time period. Applications using the license will be shut down after a grace period.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-1-LOG_LIC_LICENSE_EXPIRY_WARNING_ALERT: Evaluation license for feature [chars] will expire in [dec] days.

**Explanation** Feature [chars] has very limited time for expiry. Feature will expire in [dec] days and will be shut down.

**Recommended Action** Please install the license file to continue using the feature.
Message LICMGR-1-LOG_LIC_NO_LIC_ALERT: No license(s) present for feature [chars]. Application(s) running in grace-period and will be shut down in [dec] days.

Explanation Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

Recommended Action Please install the license file to continue using the feature.

LICMGR-2


Explanation Application [chars1] will exceed its evaluation time period in [dec] days and will be shut down after a grace period unless a permanent license for feature [chars2] is installed.

Recommended Action Please install the license file to continue using the feature.


Explanation Application [chars1] has not been licensed. The application will work for a grace period of [dec] days after which it will be shut down unless a license file for feature [chars2] is installed.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-2-LOG_LIC_EXIT: License manager exiting: [chars]

Explanation License manager exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-2-LOG_LIC_INVALID_SERVER_LINE: License file [chars] contains invalid "SERVER" line. Contact TAC

Explanation Invalid SERVER line in license file.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-2-LOG_LIC_NO_LIC: No license(s) present for feature [chars]. Application(s) shut down in [dec] days.

Explanation Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

Recommended Action Please install the license file to continue using the feature.
Message LICMGR-2-LOG_LIC_NVRAM_DISABLED: Licensing NVRAM is not available. Grace period will be disabled: [chars]

Explanation The Supervisor NVRAM block may have a hardware problem and may need to be replaced

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-2-LOG_LIC_VENDOR_DOWN: License file contains invalid “SERVER” line. Vendor daemon down

Explanation Vendor daemon is down

Recommended Action Licensing

LICMGR-3

Message LICMGR-3-LOG_LIC_FILE_MISSING: License file(s) missing for feature [chars].

Explanation One or more license files for feature [chars] are missing and must be reinstalled.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-3-LOG_LIC_INVALID_HOSTID: Invalid license hostid VDH=[chars] for feature [chars].

Explanation Feature [chars2] has a license with an invalid license hostid VDH=[chars1]. This can occur if a supervisor card with licensed features for one switch is installed on another switch.

Recommended Action No action is required.

Message LICMGR-3-LOG_LIC_MESSAGE_ERROR: could not handle message: [chars] of type [dec] from addr [dec]:[dec].

Explanation Could not handle a IPC message [chars] of type [dec] sent by a component running on node [dec2] with sap [dec3].

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message LICMGR-3-LOG_LIC_SERVER_DOWN: License Server Down [dec]

Explanation A connection to the license server was lost.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Explanation Feature [chars] has been licensed [dec] times without a valid license file. This means one or more license files are missing for feature [chars] and must be reinstalled.

Recommended Action Please install the license file to continue using the feature.

Message LICMGR-3-LOG_LIC_TOO_MANY_LIC: Only [dec] licenses are supported for [chars] feature, where as [dec] licenses are installed.

Explanation More licenses are installed than allowed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LICMGR-4

Message LICMGR-4-LOG_LIC_LICENSE_EXPIRY_WARNING: Evaluation license for feature [chars] will expire in [dec] days.

Explanation Feature [chars] will exceed its evaluation time period in [dec] days and will be shutdown.

Recommended Action Please install the license file to continue using the feature.

LICMGR-6

Message LICMGR-6-LOG_CHECKPOINT_CREATED: created during license expiry.

Explanation When a license expires, auto checkpoint is created to prevent configuration loss.

Recommended Action Rollback can be done to the created checkpoint when a new license is installed.

Message LICMGR-6-LOG_LIC_FEATURE_CLEARED: Cleared [dec] license(s) for feature [chars].

Explanation Uninstalled [dec] license(s) for feature [chars].

Recommended Action Use the show license usage command to verify this license feature removal.

Message LICMGR-6-LOG_LIC_FEATURE_INSTALLED: Installed [dec] license(s) for feature [chars].

Explanation Installed [dec] license(s) for feature [chars].

Recommended Action Use the show license usage command to verify this license feature removal.
Message LICMGR-6-LOG_LIC_LICENSE_CLEARED_ALL: Cleared all licenses.

Explanation Cleared all license files.

Recommended Action No action is required.

Message LICMGR-6-LOG_LIC_LICENSE_CLEARED: Cleared license file [chars].

Explanation Uninstalled the named license file.

Recommended Action Use the show license 'command to verify this license removal'.

Message LICMGR-6-LOG_LIC_LICENSE_INSTALLED: Installed license file [chars].

Explanation Installed the named license file.

Recommended Action Use the show license 'command to verify this license removal'.

LIM Messages

This section contains the LIM messages.

LIM-2

Message LIM-2-IF_CRITICAL_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

Explanation There was a critical failure in the component.

Recommended Action Please follow instructions on the syslog.

Message LIM-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

Explanation The interface encountered an error while configuring it

Recommended Action Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface or removing and re-inserting the fibre optic cable.

Message LIM-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down
Message  LIM-2-SEQ_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

Explanation  Some component did not respond to a request in stipulated time.

Recommended Action  None

Message  LIM-2-SYSLOG_LIM_CRITICAL: Critical failure: [chars]

Explanation  There was a critical failure in the component.

Recommended Action  Please collect system tech-support

LIM Messages

LIM-3

Message  LIM-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)

Explanation  This interface belongs to a PortChannel and the PortChannel is error disabled

Recommended Action  Perform 'shut' and 'noshutdown' on the Port Channel interface that it belongs to

Message  LIM-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

Explanation  The VLANs on an interface are being removed from the suspended state

Recommended Action  No action is required.

Message  LIM-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

Explanation  The VLANs on an interface are being suspended due to some protocol action

Recommended Action  No action is required.

Message  LIM-3-IF_SFP_ALARM: Interface [chars], [chars]

Explanation  There was an alarm on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information
Message  LIM-3-IF_SFP_ERROR: Interface [chars], [chars]
Explanation  There was an error on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

Message  LIM-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported
Explanation  The transceiver for the interface specified in the Message is not a Cisco supported module
Recommended Action  Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

Message  LIM-3-IF_XCVR_ALARM: Interface [chars], [chars]
Explanation  There was an alarm on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

Message  LIM-3-IF_XCVR_ERROR: Interface [chars], [chars]
Explanation  There was an error on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information

LIM Messages

LIM-4

Message  LIM-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected
Explanation  The transceiver for the interface specified has not been qualified on this platform for this software release
Recommended Action  Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Message  LIM-4-IF_SFP_WARNING: Interface [chars], [chars]
Explanation  There was an warning on the transceiver module
Recommended Action  Please do show interface transceiver details to obtain more information
Message  LIM-4-IF_XCVR_WARNING: Interface [chars], [chars]

Explanation  There was an warning on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information

LIM Messages

LIM-5

Message  LIM-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]

Explanation  Interface is admin up

Recommended Action  No action is required.

Message  LIM-5-IF_BANDWIDTH_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

Explanation  Bandwidth of the interface (port channel) has changed and this change is updated

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)

Explanation  Interface has been configured to be administratively down

Recommended Action  Perform noshutdown"

Message  LIM-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down(Config change)

Explanation  FCIP interface temporarily down due to reconfiguration

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)

Explanation  This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

Recommended Action  Perform 'no shutdown' on the Port Channel interface that it belongs to
Message  LIM-5-IF_DOWN_CHANNEL.Membership.UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)

Explanation  The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

Recommended Action  Retry the configuration again

Message  LIM-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISO: Interface [chars] is down (Isolation due to domain id assignment failure)

Explanation  Isolated due to a failure while assigning a domain

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_DOMAIN_INVAL_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

Explanation  Invalid RCF received

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

Explanation  Isolated due to domain manager being disabled

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

Explanation  Remote end domain manager not responding

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISO: Interface [chars] is down (Isolation due to domain other side eport isolated)

Explanation  Isolating this interface due to the remote end being isolated

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_DOMAIN_OVERLAP_ISO: Interface [chars] is down (Isolation due to domain overlap)

Explanation  Isolated due to domain overlap

Recommended Action  No action is required.
Message  LIM-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation  ELP failed on the interface

Recommended Action  Check the output of 'show port internal info' in the 'ELP failure reason' field

Message  LIM-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation  Trunk protocol failed

Recommended Action  'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

Message  LIM-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

Explanation  ESC failed on the interface

Recommended Action  Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

Message  LIM-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down (Tunnel port src interface down)

Explanation  Ethernet link to which the FCIP interface is bound is down

Recommended Action  Ensure that the ethernet cable is connected, the interface is administratively enabled

Message  LIM-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down (Tunnel port src interface link down)

Explanation  Ethernet link to which the FCIP interface is bound is down

Recommended Action  Ensure that the ethernet cable is connected and the remote end is also active

Message  LIM-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)

Explanation  The FCOT has been removed

Recommended Action  Insert an FCOT
**Message**  LIM-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation**  Fcot inserted is not a supported one

**Recommended Action**  Please contact customer support for a list of authorized transceiver vendors

**Message**  LIM-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation**  The modules hardware has failed

**Recommended Action**  Collect more information about failed module using command show module internal all module

**Message**  LIM-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

**Explanation**  The port VSAN has been suspended or deleted

**Recommended Action**  Assign a new active port VSAN to the interface

**Message**  LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation**  The configured mode is not supported on this interface

**Recommended Action**  Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message**  LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

**Explanation**  The configured receive B2B credit size is not supported

**Recommended Action**  Get the allowed receive B2B credit size from 'show port internal info'

**Message**  LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation**  The configured receive buffer size is not supported

**Recommended Action**  Get the allowed receive buffer size from 'show port internal info'

**Message**  LIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation**  The configured speed is not supported on this interface

**Recommended Action**  Perform a 'show port internal info' to determine the range of speed supported on this interface
Message  LIM-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)

Explanation  The interface is in the process of coming up

Recommended Action  If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message  LIM-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)

Explanation  Interface removed

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)

Explanation  The physical link has gone down

Recommended Action  Ensure that the cable is connected and the remote end is not shut down

Message  LIM-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)

Explanation  Diag failed on the interface

Recommended Action  Collect more information about failed interface using command 'attach module' to connect to module

Message  LIM-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

Explanation  The interface is looped back to another interface on the same switch

Recommended Action  Check the connectivity of this interface and ensure that it is connected to another switch

Message  LIM-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)

Explanation  Interface is down because the module was removed

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_NONE: Interface [chars] is down ([chars])

Explanation  Interface is down with a possible reason.

Recommended Action  Collect more information about port using command 'show port internal info/event-history' to determine why it went down
Message  LIM-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)

Explanation  The loop port has been put into non participating mode

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)

Explanation  The interface has been placed into the offline state

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)

Explanation  Parent interface is down

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down (TCP conn. closed by peer)

Explanation  The FCIP peer connected to this interface closed the TCP connection

Recommended Action  This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

Message  LIM-5-IF_DOWN_PEER_RESET: Interface [chars] is down (TCP conn. reset by peer)

Explanation  TCP connection to the FCIP peer got reset

Recommended Action  The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Message  LIM-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)

Explanation  This is a PortChannel interface and all its members are operationally down

Recommended Action  Enable at least one of the PortChannel members'
Message  LIM-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

Explanation  Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action  Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'noshutdown'

Message  LIM-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)

Explanation  There is an RCF in progress

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)

Explanation  The software servicing the data path on the port has failed

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down (Tunnel source module not online)

Explanation  Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action  The module that has the tunnel src port is coming online. Please use show mod to find module status

Message  LIM-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

Explanation  Tunnel port source interface unbound

Recommended Action  No action is required.

Message  LIM-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down (Tunnel src port removed)

Explanation  Tunnel source port of this FCIP interface has been removed

Recommended Action  The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed
Message  LIM-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due
to incompatible mode)

Explanation  This interface belongs to a PortChannel and operational mode of the interface is
different from that of the PortChannel

Recommended Action  Change the mode and the trunking mode of the PortChannel from auto and
check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  LIM-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended
due to incompatible speed)

Explanation  This interface belongs to a PortChannel and operational speed mode of the interface is
different from that of the PortChannel

Recommended Action  Change the speed of the PortChannel from auto and check to ensure that the
remote end of the interface also belongs to the same Port Channel

Message  LIM-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due
to incompatible remote switch WWN)

Explanation  This interface belongs to a PortChannel and remote switch WWN of the interface is
different from that of the PortChannel

Recommended Action  Ensure that this interface is connected to the same remote switch as all the
other interfaces in the PortChannel

Message  LIM-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)

Explanation  This interface belongs to a PortChannel and has been suspended due to an error while
bringing it up

Recommended Action  Perform a shutdown' and a 'noshutdown'. If this happens again obtain output
of show port internal info/event-history' on the interface'

Message  LIM-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down(TCP conn.
closed - Keep alive expired)

Explanation  TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action  This may be due to loss of IP connectivity. The following commands will
provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show
ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip
addr
Message LIM-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down (TCP conn. closed - retransmit failure)

Explanation Interface is down due to maximum retransmission failure

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message LIM-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down (TCP conn. closed - Persist timer expired)

Explanation TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message LIM-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

Explanation Upgrade of the linecard software is in progress

Recommended Action No action is required.

Message LIM-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf down)

Explanation The VRF for which this interface is a member is removed

Recommended Action No action is required.

Message LIM-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

Recommended Action Check the VSANs configured on the local end with the remote end

Message LIM-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

Explanation Isolated due to a failure during zone merge

Recommended Action No action is required.
Message LIM-5-IF_DOWN_ZONEREMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

Explanation Isolated due to remote zone server not responding

Recommended Action No action is required.

Message LIM-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

Explanation Operational duplex mode has changed when link came up

Recommended Action No action is required.

Message LIM-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

Explanation Interface is being recovered from error disabled state

Recommended Action No action is required.

Message LIM-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]

Explanation There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

Recommended Action No action is required.

Message LIM-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]

Explanation The l2mp-mode on the port has changed

Recommended Action No action is required.

Message LIM-5-IF_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

Explanation Operational receive flow control has changed when link came up

Recommended Action No action is required.

Message LIM-5-IF_TRUNK_DOWN: Interface [chars], vlan [chars] down

Explanation Interface [chars] is trunking, VLANs [chars] are down

Recommended Action The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan
Message  LIM-5-IF_TRUNK_UP: Interface [chars], vlan [chars] up
Explanation  Interface [chars] is trunking, VLANs [chars] are up
Recommended Action  No action is required.

Message  LIM-5-IF_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]
Explanation  Operational transmit flow control has changed when link came up
Recommended Action  No action is required.

Message  LIM-5-IF_UP: Interface [chars] is up [chars]
Explanation  Interface is up in mode specified, if applicable
Recommended Action  No action is required.

Message  LIM-5-SPEED: Interface [chars], operational speed changed to [chars]
Explanation  Operational speed has changed when link came up
Recommended Action  No action is required.

Message  LIM-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]
Explanation  Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped
Recommended Action  Identify source of traffic storm

Message  LIM-5-STORM_CONTROL_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]
Explanation  Traffic on specified port has returned to within configured storm-control threshold
Recommended Action  No action is required.

LIT Messages

This section contains the LIT messages.
LIT-6

**Message** LIT-6-LIT_DEBUG_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

LLDP Messages

This section contains the LLDP messages.

**LLDP-1**

**Message** LLDP-1-NO_DCBX_ACKS_RECV_FOR_LAST_10_PDUs: No Acks have been received on Interface [chars] for last [dec] DCBX PDUs

**Explanation** No acknowledgment received.

**Recommended Action** No action is required.

**LLDP-3**

**Message** LLDP-3-DETECT_MULTIPLE_PEERS: Multiple peers detected on [chars]

**Explanation** Multiple peers detected on an interface

**Recommended Action** No action is required.

**Message** LLDP-3-INVALID_DCBXP_RECEIVED: Received an invalid DCBXP on [chars]

**Explanation** Received an invalid DCBXP on an interface

**Recommended Action** No action is required.

**Message** LLDP-3-INVALID_LLDP_RECEIVED: Received an invalid LLDP on [chars]

**Explanation** Received an invalid LLDP on an interface

**Recommended Action** No action is required.

**Message** LLDP-3-LLDP_INTERNAL_ERROR: LLDP internal error: [chars]

**Explanation** Internal error is encountered

**Recommended Action** No action is required.
LLDP-5

**Message**  LDP-5-LDP_DISABLED: LDP Disabled

**Explanation**  MPLS_LDP Service Disabled

**Recommended Action**  No action is required.

**Message**  LDP-5-LDP_ENABLED: LDP Enabled

**Explanation**  MPLS_LDP Service enabled

**Recommended Action**  Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LLDP-6

**Message**  LLDP-6-DETECT_REMOTECHANGE: Remote change detected on [chars]

**Explanation**  Remote change detected on an interface

**Recommended Action**  No action is required.

**Message**  LLDP-6-DETECT_REMOTE_DCBXPCONF_CHANGE: Remote DCBXP change detected on [chars]

**Explanation**  Remote DCBXP change detected on an interface

**Recommended Action**  No action is required.
This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### M2FIB Messages

This section contains the M2FIB messages.

**M2FIB-SLOT#-0**

- **Message** M2FIB-SLOT#-0-CLI_INIT FAILED: CLI library initialization failed!
  - **Explanation** M2FIB failed to initialize CLI infrastructure's backend library. This is a fatal error.
  - **Recommended Action** No action is required.

- **Message** M2FIB-SLOT#-0-TIMER_INIT FAILED: Timer subsystem initialization failed!
  - **Explanation** M2FIB failed to initialize timer library. This is a fatal error.
  - **Recommended Action** No action is required.

**M2FIB-SLOT#-2**

- **Message** M2FIB-SLOT#-2-M2FIB_MAC_TBL_PRGMING: Failed to program the mac table on FE [dec] for group: FTAG [dec], (IP [dec] (BD [dec]), *, [chars]). Error: [chars]. To avoid multicast traffic loss, disable OMF using the CLI: "no ip igmp snooping optimise-multicast-flood"
  - **Explanation** Failed to program the mac table. This is a critical failure please check m2fib error transactions
  - **Recommended Action** No action is required.
Message M2FIB-SLOT#-2-M2FIB_MEM_ALLOC: Memory allocation failed. [chars]

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

Message M2FIB-SLOT#-2-VLAN_NOT_FOUND: M2fib recv invalid vlan!

Explanation M2FIB failed to process the route update as the vlan recv was invalid

Recommended Action No action is required.

**M2FIB-SLOT#-6**

Message M2FIB-SLOT#-6-INITIALIZED: Internal state created [chars]

Explanation M2FIB has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

Message M2FIB-SLOT#-6-VDC_CREATED: VDC [dec] created

Explanation Request to create VDC [dec] in M2FIB was successful.

Recommended Action No action is required.

Message M2FIB-SLOT#-6-VDC_REMOVED: VDC [dec] Removed

Explanation M2FIB has successfully removed VDC [dec] from its databases.

Recommended Action No action is required.

Message M2FIB-SLOT#-6-VDC_VLAN_CREATED: VLAN [dec] created in VDC [dec]

Explanation M2FIB has added VLAN [dec] in VDC [dec].

Recommended Action No action is required.

Message M2FIB-SLOT#-6-VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]

Explanation M2FIB has successfully removed VLAN [dec] from VDC [dec].

Recommended Action No action is required.
**M2RIB Messages**

This section contains the M2RIB messages.

**M2RIB-0**

**Message** M2RIB-0-CLI_INIT_FAILED: CLI library initialization failed!

**Explanation** M2RIB failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**M2RIB-2**

**Message** M2RIB-2-FLOOD_PROG_ERR1: Prev:[chars], Collect console logs and output of show tech-support m2rib

**Explanation** M2RIB has hit flood PROG error. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-FLOOD_PROG_ERR2: Curr:[chars], Collect console logs and output of show tech-support m2rib

**Explanation** M2RIB has hit flood prog error. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-IPC_PROCESSING_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** M2RIB encountered an error in processing an MTS message. The error and message are specified in the Message

**Recommended Action** No action is required.

**Message** M2RIB-2-M2RIB_INIT: M2RIB initialization of [chars] [chars]

**Explanation** M2RIB initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message M2RIB-2-MFDM_API_ERROR: ERROR PROG FLOOD ROUTES: Status:[chars] 
Curr_Msg:[hex], Collect output of show tech-support m2rib

**Explanation**  MFDM returned Failure for flood programming. Collect output of show tech-support m2rib for further analysis

**Recommended Action**  No action is required.

Message M2RIB-2-MFDM_TIMEOUT_ERR: M2RIB timed out waiting for MFDM: Transaction: %p, Transaction entry: [chars]

**Explanation**  Transaction timer for the message sent from M2RIB to MFDM has expired. Ack not received from MFDM.

**Recommended Action**  No action is required.

**M2RIB-6**

Message M2RIB-6-INITIALIZED: Internal state created [chars]

**Explanation**  M2RIB has created its internal state stateless/stateful [chars].

**Recommended Action**  No action is required.

Message M2RIB-6-SERVICE_UP: Initialized [chars]

**Explanation**  M2RIB line 2.

No action is required.

**MAC Messages**

This section contains the MAC messages.

**MAC-SLOT#-2**

Message MAC-SLOT#-2-MAC_INFO: [chars]

**Explanation**  MAC Informational message

**Recommended Action**  No action is required.

**MCAST Messages**

This section contains the MCAST messages.
MCAST-2

**Message** MCAST-2-SHUTDOWN: Process shutting down: [chars]

**Explanation** Mcast is shutting down

**Recommended Action** The action depends on the situation. The multicast process can shut down gracefully because of a system restart (in which case no action needs to take place) or because of a failure. The message associated with the syslog should be self explanatory to understand the reason for the shutdown. If the process is able to restart properly, there is no immediate harm for the system stability and the suggested action is to report the syslog event together with an explanation of the operations most recently performed on the system.

MCAST-4

**Message** MCAST-4-ERROR: [chars]

**Explanation** Mcast encountered a generic error

**Recommended Action** No action is required.

MCAST-5

**Message** MCAST-5-BAD_MSG: Received bad message: [chars]

**Explanation** Mcast has received a malformed/unrecognized message

**Recommended Action** No action is required.

**Message** MCAST-5-START: Process has been started

**Explanation** Mcast has been started

**Recommended Action** No action is required.

MCECTEST Messages

This section contains the MCECTEST messages.

MCECTEST-3

**Message** MCECTEST-3-ASSERTION_FAILED: [chars]

**Explanation** MCECTEST has hit an assert condition at file [chars]

**Recommended Action** No action is required.
**Message**  MCECTEST-3-INIT_FAIL: [chars]
**Explanation**  MCECTEST Initialization failed due to [chars]
**Recommended Action**  No action is required.

**Message**  MCECTEST-3-INTERNAL_ERR: [chars]
**Explanation**  MCECTEST encountered an internal error due to [chars]
**Recommended Action**  No action is required.

**Message**  MCECTEST-3-MTS_ERR: [chars]
**Explanation**  MCECTEST encountered an MTS error due to [chars]
**Recommended Action**  No action is required.

**MCECTEST-5**

**Message**  MCECTEST-5-MCECTEST_DISABLED: MCECTEST Disabled
**Explanation**  MCECTEST Service Disabled
**Recommended Action**  No action is required.

**Message**  MCECTEST-5-MCECTEST_ENABLED: MCECTEST Enabled
**Explanation**  MCECTEST Service enabled
**Recommended Action**  No action is required.

**MCECTEST-6**

**Message**  MCECTEST-6-INTERNAL_INFO: [chars]
**Explanation**  MCECTEST got an internal info [chars]
**Recommended Action**  No action is required.

**MCM Messages**

This section contains the MCM messages.
MCM-2

**Message** MCM-2-MCM_CRITICAL_ERROR: Internal Critical Error

**Explanation** Some critical error

**Recommended Action** No action is required.

**Message** MCM-2-MCM_REPLICATION_DISABLED: Proxy layer-3 modules are not available for replication. Proxy layer-3 multicast replication is disabled.

**Explanation** Replication is disabled

**Message** MCM-2-MCM_REQ_RESP_ERROR: Error ([hex]: [chars]) while communicating with component: [chars], opcode: [chars] (for: [chars])

**Explanation** Error in request-response handshake

**Recommended Action** No action is required.

**Message** MCM-2-MCM_ROUTING_DISABLED: Proxy layer-3 modules are not available for routing. Proxy layer-3 forwarding is disabled.

**Explanation** Routing is disabled

**Recommended Action** No action is required.

MCM-5

**Message** MCM-5-MCM_SDB_UPDATE_FAILED: sdb update failed with ret_val [dec]

**Explanation** SDB updated failed for MCM

**Recommended Action** No action is required.

MCM-6

**Message** MCM-6-MCM_REPLICATION_ENABLED: Proxy layer-3 modules are UP and available for replication. Proxy layer-3 multicast replication is enabled.

**Explanation** Replication is enabled

**Recommended Action** No action is required.
Message  MCM-6-MCM_ROUTING_ENABLED: Proxy layer-3 modules are UP and available for routing. Proxy layer-3 forwarding is enabled.

Explanation  Routing is enabled

Recommended Action  No action is required.

METROPOLIS_USD Messages

This section contains the METROPOLIS_USD messages.

METROPOLIS_USD-3

Message  METROPOLIS_LOG_ERR_METRO_MSG1: Rewrite engine CRC error seen on instance %d, port_list %s

Explanation  Metropolis received packets with CRC error

Recommended Action  Use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands ‘diagnostic start module <mod> test all’ and ‘show diagnostic result module <mod> test all detail’. The result will display the information about the failures in HW, if any.

MFDM Messages

This section contains the MFDM messages.

MFDM-2


Explanation  PIXM returned duplicate DI.

Recommended Action  No action is required.

Message  MFDM-2-DOWNLOAD_TIMEOUT: Download of L2/L3 route databases timed out: download_in_progress_slots [hex] for database [chars] [chars] [chars]

Explanation  Download of L2/L3 route databases timed out. Download triggered by VMM insert request.

Recommended Action  No action is required.
Message MFDM-2-INTERNAL_ERROR: MFDM-[chars] Internal error: show system internal mfdm errors for more information

Explanation MFDM PD hit a internal error. show system internal mfdm errors for further analysis.

Recommended Action No action is required.

Message MFDM-2-LC_ACK_TIMEOUT: Ack from slot:[chars] timeout - xid:[hex], opcode:[chars], [chars].

Explanation Response from LC timeout for update

Recommended Action No action is required.

Message MFDM-2-REF_OUTOFSYNC: In Decrement ltl_node ref_count: [dec] is less than count: [dec] passed in for DI: [hex], oiflist_index: [dec], type: [dec]. Possible PI/PD refcount out-of-sync. Please collect show tech-support forwarding distribution l2/l3 multicast and show tech-support pixm.

Explanation MFDM PI/PD refcount out-of-sync

Recommended Action No action is required.

Message MFDM-2-XID_TAMPERED: Correcting xid in resp - rrtoken:[hex], req(xid:[dec], rt_cnt:[dec], msg_len:[dec], flag:[dec]), resp(xid:[dec], rt_cnt:[dec], msg_len:[dec], flag:[dec])

Explanation MFDM tampered xid in OTV response payload

Recommended Action No action is required.

**MODULE Messages**

This section contains the MODULE messages.

**MODULE-2**

Message MODULE-2-LCM_PRE_UPGRADE_GENERAL_FAIL: Pre upgrade message fails seq [dec]

Explanation pre-upgrade message failed.

Recommended Action No action is required.

Message MODULE-2-LCM_UPGRADE_DONE_GENERAL_FAIL: Upgrade done message fails SAP [chars]

Explanation Upgrade ready message failed.

Recommended Action No action is required.
Message  MODULE-2-LCM_UPGRADE_OVER_FAIL: Upgrade over message returned [dec] [hex] for SAP [dec]

Explanation  Upgrade done message failed.

Recommended Action  No action is required.

Message  MODULE-2-LCM_UPGRADE_READY_FAIL: Upgrade ready message returned [dec] [hex] for SAP [dec]

Explanation  Upgrade ready message failed.

Recommended Action  No action is required.

Message  MODULE-2-LCM_UPGRADE_READY_GENERAL_FAIL: Upgrade ready message fails SAP [chars]

Explanation  Upgrade ready message failed.

Recommended Action  No action is required.

Message  MODULE-2-MOD_DIAG_FAIL: Module [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

Explanation  The module in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

Recommended Action  Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Message  MODULE-2-MOD_DNLD_FAIL: Image download failed for module [dec] (Serial number: [chars])

Explanation  Module [decimal digit] failed to download a new image from the supervisor.

Recommended Action  Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Message  MODULE-2-MOD_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc_failed from sap [hex] failure reason [hex]

Explanation  Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action  Collect information about the module by issuing the commands 'show module_internal all module'.
**Message** MODULE-2-MOD_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc_failed from sap [hex] failure reason [hex]

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module_internal all module <module> number

**Message** MODULE-2-MOD_FAIL: Initialization of module [dec] (Serial number: [chars]) failed

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module_internal all module '.

**Message** MODULE-2-MOD_MAJORSWFAIL: Module [dec] (Serial number: [chars]) reported a critical failure in service [chars]

**Explanation** A critical failure in service [string] happened at module [decimal digit] is going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD_MINORSWFAIL: Module [dec] (Serial number: [chars]) reported a failure in service [chars]

**Explanation** A non-critical failure in service [string] happened at module [decimal digit] is not going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD_NOT_ALIVE: Module [dec] not responding... resetting (Serial number: [chars])

**Explanation** Module [decimal digit] is not replying to the hello message: module manager is then going to reset the module.

**Recommended Action** No action is required.

**Message** MODULE-2-MOD_REGFAILED: Registration failed for module [dec]

**Explanation** Module [decimal digit] sent the registration message notifying a failure.

**Recommended Action** Collect module internal information by issuing the command 'show module internal all module [decimal digit]'.
Message  MODULE-2-MOD_SOMEPORTS_FAILED: Module [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]/[dec] due to [chars] in device [chars] (error [hex])

Explanation  Module [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

Recommended Action  Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Message  MODULE-2-MOD_UNKNOWN: Module type [[dec]] in slot [dec] is not supported

Explanation  The software card id of module [decimal digit] is not supported by the supervisor.

Recommended Action  Collect information about the module by issuing the commands 'show module internal all module [decimal digit]'

Message  MODULE-2-XBAR_DIAG_FAIL: Xbar [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

Explanation  The xbar in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

Recommended Action  Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

Message  MODULE-2-XBAR_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc_failed from sap [hex] failure reason [hex]

Explanation  Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action  Collect information about the module by issuing the commands 'show module_internal all xbar'.

Message  MODULE-2-XBAR_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc_failed from sap [hex] failure reason [hex]

Explanation  Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action  Collect information about the module by issuing the commands show module_internal all xbar <module> number
Message  MODULE-2-XBAR_FAIL: Initialization of xbar [dec] (Serial number: [chars]) failed

Explanation  Xbar [decimal digit] reported a failure during the initialization phase and will be powered down.

Recommended Action  Collect information about the module by issuing the commands 'show module_internal all xbar'.

Message  MODULE-2-XBAR_SOMEPORTS_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

Explanation  Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

Recommended Action  Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

Message  MODULE-2-XBAR_SOMEPORTS_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

Explanation  Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

Recommended Action  Collect information about the module by issuing the command show module internal all xbar [decimal digit].

Message  MODULE-2-XBAR_UNKNOWN: Xbar type [[dec]] in slot [dec] is not supported

Explanation  The software card id of xbar [decimal digit] is not supported by the supervisor.

Recommended Action  Collect information about the module by issuing the commands 'show module internal all xbar [decimal digit]'.

MODULE-3

Message  MODULE-3-LCM_SEQ_ERROR: Error ([chars]) for slot:[dec] while communicating with component [chars] opcode:[chars] {for:[dec]}

Explanation  LCM encountered an error while executing a sequence for a module.

Recommended Action  No action is required.

Message  MODULE-3-LCM_SYSLOG_ERR: [chars]

Explanation  LCM encountered an error while processing a message for module.

Recommended Action  No action is required.
Message  MODULE-3-MOD_SRG_NOT_COMPATIBLE: Module [dec] (Serial number: [chars]) firmware is not compatible with supervisor, downloading new image

Explanation The software version of module [decimal digit] is not supported by the supervisor.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

MODULE-4

Message  MODULE-4-MOD_WARNING: Module [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

Explanation Module [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Message  MODULE-4-XBAR_WARNING: Xbar [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

Explanation Xbar [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

Recommended Action Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

MODULE-5

Message  MODULE-5-ACTIVE_SUP_OK: Supervisor [dec] is active (Serial number: [chars])

Explanation Module [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action No action is required.

Message  MODULE-5-LCM_MODULE_UPGRADE_END: Upgrade of module [dec] ended

Explanation Upgrade of the module has ended.

Recommended Action No action is required.

Message  MODULE-5-LCM_MODULE_UPGRADE_START: Upgrade of module [dec] started

Explanation Upgrade of the module has been started by installer

Recommended Action No action is required.
Message  MODULE-5-MOD_OK: Module [dec] is online (Serial number: [chars])

Explanation  Module [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action  No action is required.

Message  MODULE-5-MOD_REINIT: Re-initializing module [dec] (Serial number: [chars])

Explanation  Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action  Collect information about the module by issuing the commands show module_internal all module <module> number

Message  MODULE-5-MOD_RESTART: Module [dec] is restarting after image download

Explanation  Module [decimal digit] completed image download and is restarting.

Recommended Action  No action is required.

Message  MODULE-5-MOD_STARTUP_CFP_MISMATCH: The startup configuration cannot be applied to a different module type for module [dec] (Serial number: [chars]). [chars] module is replacing [chars].

Explanation  The startup configuration for module [decimal digit] contains information about a different type of module instead of containing information about the current one.

Recommended Action  No action is required.

Message  MODULE-5-STANDBY_SUP_OK: Supervisor [dec] is standby

Explanation  Module [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action  No action is required.

Message  MODULE-5-XBAR_OK: Xbar [dec] is online (Serial number: [chars])

Explanation  Xbar [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action  No action is required.

Message  MODULE-5-XBAR_REINIT: Re-initializing xbar [dec] (Serial number: [chars])

Explanation  Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action  Collect information about the module by issuing the commands show module_internal all xbar <module> number
MODULE-6

Message MODULE-6-MOD_PURGE_CONFIG: Purging the configuration for module [dec]
Explanation Notification is being sent to remove the module configurations.
Recommended Action No action is required.

Message MODULE-6-MOD_REG_OK: Registration succeeded for module [dec]
Explanation Module [decimal digit] sent a successful registration message.
Recommended Action No action is required.

MONITOR Messages

This section contains the MONITOR messages.

MONITOR-3

Message MONITOR-3-ETH_SPAN_SPM_TIMER_EXPIRY: SPM request timed out for ssn: [dec]
Explanation SPM Request timed out for ERSPAN-DST session
Recommended Action No action is required.

MONITOR-5

Message MONITOR-5-ETH_SPAN_SESSION_CREATED: Session [dec] created
Explanation A new span session has been created.
Recommended Action No action is required.

Message MONITOR-5-ETH_SPAN_SESSION_DELETED: Session [dec] deleted
Explanation Session has been deleted.
Recommended Action No action is required.

Message MONITOR-5-ETH_SPAN_SESSION_DOWN: Session [dec] is down. Reason ‘[chars]’
Explanation Session is down, no further traffic will be spanned.
Recommended Action No action is required.
Message MONITOR-5-ETH_SPAN_SESSION_ERROR: Session [dec] is having error. Reason [chars]

Explanation The session is experiencing a problem.

Recommended Action Delete the session and try to reconfigure it

Message MONITOR-5-ETH_SPAN_SESSION_UP: Session [dec] is up.

Explanation Session is up now. You can monitor Spanned traffic at the destination ports

Recommended Action No action is required.

Message MONITOR-5-ETH_SPAN_SOURCE_ADDED: Source [chars] added to session [dec]

Explanation A new source has been added.

Recommended Action No action is required.

Message MONITOR-5-ETH_SPAN_SOURCE_REMOVED: Source [chars] removed from session [dec]

Explanation A source has been removed.

Recommended Action No action is required.

MTM Messages

This section contains the MTM messages.

MTM-SLOT#-0

Message MTM-SLOT#-0-CLI_INIT_FAILED: CLI library initialization failed!

Explanation MTM failed to initialize CLI infrastructure's backend library. This is a fatal error.

Recommended Action No action is required.

Message MTM-SLOT#-0-FE_TIMER_EXPIRED: FE timer expired for fe [dec]!

Explanation Driver has failed to respond to MTM request within MTM_FE_TO_TIMER_INTERVAL. This is a fatal error.

Recommended Action No action is required.
Message  MTM-SLOT#-0-TIMER_INIT_FAILED: Timer subsystem initialization failed!

Explanation MTM failed to initialize timer library. This is a fatal error.

Recommended Action No action is required.

MTM Messages

MTM-SLOT#-1

Message  MTM-SLOT#-1-L2_USD_REQ_FAILED: Failed to send request to the L2 ASIC driver.

Explanation Failed to send request to L2 ASIC driver.

Recommended Action No action is required.

MTM Messages

MTM-SLOT#-2

Message  MTM-SLOT#-2-FE_MAC_TABLE_LINE_FULL: Failed to insert static mac as MAC table line is full for FB [dec]!

Explanation Static mac insert failed due to line full condition.

Recommended Action No action is required.

Message  MTM-SLOT#-2-HWIDX_TO_IF_FAILED_SUMMARY: Failed to get interface for hardware index for [dec] entries

Explanation Failed to get interface for hardware Index for [dec] entries

Recommended Action No action is required.

Message  MTM-SLOT#-2-IF_TO_HWIDX_FAILED_SUMMARY: Failed to get hardware index for interface Index for [dec] entries.

Explanation Failed to get hardware index for interface Index for [dec] entries.

Recommended Action No action is required.
Message MTM-SLOT#-2-MTM_MEM_ALLOC: Memory allocation failed. [chars]

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

Message MTM-SLOT#-2-MULTICAST_SOURCE_MAC_LEARNT: Inserted dynamically learnt multicast source mac [chars] in vlan [dec]!. Issue show hardware mac address-table <mod>

Explanation Multicast mac address: [hex] sent as source mac in a packet and was learnt in the Mac Table. Please execute: clear mac address-table dynamic multicast-entries

Recommended Action No action is required.

Message MTM-SLOT#-2-STATIC_MATCH: Failed to program static match registers for [chars].

Explanation Failed to program the required registers in L2 ASIC for [chars].

Recommended Action No action is required.

Message MTM-SLOT#-2-STP_BPDU_MATCH: Failed to program static match registers for BPDU matching.

Explanation Failed to program the required registers in L2 ASIC for BPDU matching. BPDUs will not be received by Spanning tree.

Recommended Action No action is required.

Message MTM-SLOT#-2-VLAN_NOT_FOUND: VLAN [dec] not found in MTM database!

Explanation MTM failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

Recommended Action No action is required.

MTM Messages

MTM-SLOT#-5


Explanation Age group allocation for age [dec] failed. The total number of allocated age group has reached system limits.

Recommended Action No action is required.
Message  MTM-SLOT#-5-ALL0_LR0_DISABLE_FAIL: Failed to program static match register to disable learning all 0 MAC.

Explanation  Failed to program the required registers in L2 ASIC to disable learning all 0 MAC.

Recommended Action  No action is required.

**MTM Messages**

**MTM-SLOT#-6**

Message  MTM-SLOT#-6-INITIALIZED: Internal state created [chars]

Explanation  MTM has created its internal state stateless/stateful [chars].

Recommended Action  No action is required.

Message  MTM-SLOT#-6-VDC_CREATED: VDC [dec] created

Explanation  Request to create VDC [dec] in MTM was successful.

Recommended Action  No action is required.

Message  MTM-SLOT#-6-VDC_REMOVED: VDC [dec] Removed

Explanation  MTM has successfully removed VDC [dec] from its databases.

Recommended Action  No action is required.

Message  MTM-SLOT#-6-VDC_VLAN_CREATED: VLAN [dec] created in VDC [dec]

Explanation  MTM has added VLAN [dec] in VDC [dec].

Recommended Action  No action is required.

Message  MTM-SLOT#-6-VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]

Explanation  MTM has successfully removed VLAN [dec] from VDC [dec].

Recommended Action  No action is required.

**NFM Messages**

This section contains the NFM messages.
NFM-2

Message NFM-2-COMMIT_FAIL: Commit failed: client [hex], [chars]
Explanation The DDB commit failed
Recommended Action No action is required.

Message NFM-2-DDB_FAILURE: DDB failure: [chars]
Explanation A DDB generated failure
Recommended Action No action is required.

Message NFM-2-EXITING: Exit reason: [chars]
Explanation The NFM service process has exited due to [char]. The process has probably been restarted automatically.
Recommended Action No action is required.

Message NFM-2-INIT_FAIL: NFM Service Init failed: [chars]
Explanation NFM Service initialization failed. [chars] explains the reason for the failure.
Recommended Action No action is required.

Message NFM-2-MALLOC_ERROR: Function [chars]: Size [dec] bytes
Explanation The NFM service could not allocate memory.
Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NFM-2-PSS_ERROR: [chars]: PSS ret. val=[dec]
Explanation The NFM service encountered error while operating on a persistent storage database.
Recommended Action No action is required.

Message NFM-2-VERIFY_FAIL: Verify failed - Client [hex], Reason: [chars], Interface: [chars]
Explanation The DDB Verify failed
Recommended Action No action is required.
NFM-3

**Message** NFM-3-DDB_ERROR: DDB error: [chars]

**Explanation** The DDB generated error

**Recommended Action** No action is required.

**Message** NFM-3-FEATURE_MANAGER_ERROR: [chars]: An error occurred processing a Feature Manager msg - error [chars]

**Explanation** An error occurred while processing a message from FEATURE Manager

**Recommended Action** No action is required.

**Message** NFM-3-HANDLE_IN_USE: [chars]: name: [chars]

**Explanation** The NFM service encountered a handle that was in use while reading a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-3-INVALID_HANDLE: [chars]: handle = [hex]

**Explanation** The NFM service encountered an invalid handle in a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-3-MONITOR_NOT_FOUND: Monitor with handle [hex] from source [hex]

**Explanation** An Export Msg from a Linecard contained an invalid Monitor handle

**Recommended Action** No action is required.

**Message** NFM-3-MTS_ERROR: NFM encountered the following MTS error: [chars]

**Explanation** NFM Service encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** NFM-3-NFM_CONFIG_ERROR: [chars]

**Explanation** L2 Netflow config is applied on Port-channel with F1 Line Cards only - error

**Recommended Action** No action is required.
Message **NFM-3-NFM_DDB_ERROR**: DDB error: [chars]

**Explanation**  The DDB generated error

**Recommended Action**  No action is required.

Message **NFM-3-PSS_CORRUPTED**: [chars] PSS found corrupted

**Explanation**  The NFM service has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action**  No action is required.

Message **NFM-3-VLAN_PARSE_ERROR**: [chars]: An error occurred processing a VLAN Mgr Parse msg [hex]

**Explanation**  An error occurred while processing a message from VLAN Manager

**Recommended Action**  No action is required.

NFM-4

Message **NFM-4-DDB_WARNING**: DDB warning: [chars]

**Explanation**  The DDB generated warning

**Recommended Action**  No action is required.

Message **NFM-4-LICENSE_EXPIRED**: The License has expired.

**Explanation**  The NFM service requires a License to run and exits when the License expires.

**Recommended Action**  No action is required.

Message **NFM-4-NFM_DDB_WARNING**: DDB warning: [chars]

**Explanation**  The DDB generated warning

**Recommended Action**  No action is required.

Message **NFM-4-PSS_VERSION_MISMATCH**: PSS [dec] Code [dec]

**Explanation**  There was a version mismatch between the NFM service and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action**  No action is required.
**NFM-5**

**Message** NFM-5-FEATURE_DISABLED: NetFlow Disabled.

**Explanation** NetFlow Feature Disabled.

**Recommended Action** No action is required.

**Message** NFM-5-FEATURE_ENABLED: NetFlow Enabled.

**Explanation** NetFlow Feature Enabled.

**Recommended Action** No action is required.

**NFM-6**

**Message** NFM-6-BECAME_ACTIVE: Became ACTIVE from standby mode

**Explanation** The NFM service on the standby supervisor became active and it is ready to serve client requests.

**Recommended Action** No action is required.

**Message** NFM-6-BECAME_STDBY: Became STANDBY from active mode

**Explanation** The NFM service became standby from active mode.

**Recommended Action** No action is required.

**Message** NFM-6-DDB_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.

**Message** NFM-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The NFM service was unable to send heartbeat to the system manager

**Recommended Action** No action is required.

**Message** NFM-6-NFM_DDB_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.
Message NFM-6-SERVICE_UP: Initialized [chars]

Explanation The NFM service is up and ready. The service was initialized in [char] mode.

Recommended Action No action is required.

Message NFM-6-SRV_EXIT: NFM Service shutting down gracefully

Explanation NFM Service is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Message NFM-6-SWITCH_OVER: Switching Over to other Sup.

Explanation The NFM service has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

NFM-7

Message NFM-7-DEBUG: [chars]

Explanation Debug information is being sent to syslog.

Recommended Action No action is required.

NFP Messages

This section contains the NFP messages.

NFP-SLOT#-2

Message NFP-SLOT#-2-NF_ACL_ERR: [chars][[dec]]: acl error. [chars]

Explanation Acl error

Recommended Action No DDTS.

Message NFP-SLOT#-2-NF_DDB_ERR: [chars][[dec]]: ddb error. [chars]

Explanation Ddb error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message NFP-SLOT#-2-NF_ERR: [chars]([dec]): nfp error. [chars]

Explanation Nfp error occurred

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NFP-SLOT#-2-NF_FIB_ERR: [chars]([dec]): fib error. [chars]

Explanation Fib error

Recommended Action No DDTS.

Message NFP-SLOT#-2-NF_NDE_ERR: [chars]([dec]): nde error. [chars]

Explanation Nde error

Recommended Action No DDTS.

Message NFP-SLOT#-2-NF_NFM_ERR: [chars]([dec]): nfm error. [chars]

Explanation Nfm error

Recommended Action No DDTS.

Message NFP-SLOT#-2-NF_QOS_ERR: [chars]([dec]): qos error. [chars]

Explanation Qos error

Recommended Action No DDTS.

NFP-SLOT#-5

Message NFP-SLOT#-5-NF_INFO: [chars]

Explanation Info

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NPC Messages

This section contains the NPC messages.
NPC-SLOT#-3

**Message**  NPC-SLOT#-3-LOG_NPC_ERR: Nonrecoverable error: [chars]

**Explanation**  Errors which cause program to exit occurred

**Recommended Action**  No action is required.

NPC-SLOT#-4

**Message**  NPC-SLOT#-4-LOG_NPC_WARNING: Serious error: [chars]

**Explanation**  Serious errors which affect all normal operations occurred

**Recommended Action**  No action is required.

NPC-SLOT#-5

**Message**  NPC-SLOT#-5-LOG_NPC_DEBUG: Unexpected error: [chars]

**Explanation**  Unexpected errors which affect some normal operations occurred

**Recommended Action**  No action is required.

**Message**  NPC-SLOT#-5-LOG_NPC_NVP_FSM: Illegal event received: [chars]

**Explanation**  Illegal event received in NPC_NVP FSM

**Recommended Action**  No action is required.

**Message**  NPC-SLOT#-5-LOG_NPC_VSAN_FSM: Illegal event received: [chars]

**Explanation**  Illegal event received in NPC_VSAN FSM

**Recommended Action**  No action is required.

NPV Messages

This section contains the NPV messages.
NPV-2

**Message** NPV-2-CFS_PEER_LOST_WITHIN_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes

**Explanation** Due to port flaps, link outages, switch restart etc. a CFS peer switch of NPV was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. It is recommended that the user abort this CFS session using ivr abort command and then re-enter the configuration changes.

**Recommended Action** No action is required.

**Message** NPV-2-NPV_DISABLE_FAILED: NPV could not disabled: [chars] [chars]

**Explanation** NPM could not disabled due to the reason specified. Please try again.

**Recommended Action** No action is required.

**Message** NPV-2-NPV_ENABLE_FAILED: NPV could not enabled: [chars] [chars]

**Explanation** NPM could not enabled due to the reason specified. Please try again.

**Recommended Action** No action is required.

**Message** NPV-2-NPV_EXITED: NPV process exited in file [chars] at Line [chars]:[chars]

**Explanation** NPM process encountered a critical error as specified, and so NPV process cannot continue.

**Recommended Action** No action is required.

NPV-3

**Message** NPV-3-ACL_UPDATE_FAILED: [chars]

**Explanation** ACL update request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-CFS_INVALID_PAYLOAD_RECEIVED: NPV received invalid payload from CFS

**Explanation** NPV process received invalid payload from CFS.

**Recommended Action** No action is required.
Message NPV-3-CLEAR_FAILED: [chars]

Explanation An error occurred while clearing the lock. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NPV-3-COMMIT_FAILED: [chars]

Explanation An error occurred while committing configuration. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NPV-3-COMMIT_PARTIALLY_FAILED: [chars]

Explanation An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure: [chars]. Configuration can be inconsistent in the fabric.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NPV-3-COMMIT_REJECTED: [chars]

Explanation Commit request received from remote switch is rejected. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NPV-3-FC2_SEND_FAILED: [chars]

Explanation NPV process could send an FC2 message.

Recommended Action No action is required.

Message NPV-3-F_RJT_SENT: [chars]

Explanation NPV process sent an F_RJT frame.

Recommended Action No action is required.

Message NPV-3-INTERNAL_ERROR: Internal error: [chars]

Explanation NPV process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.
Message NPV-3-LCP_PROGRAMMING_FAILED: [chars]
Explanation LCP programming request initiated by the NPV process has failed
Recommended Action No action is required.

Message NPV-3-LOCK_FAILED: [chars]
Explanation An error occurred while acquiring the lock. The reason for the failure: [chars]
Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NPV-3-LS_RJT_RCVD: [chars]
Explanation NPV process received an LS_RJT frame.
Recommended Action No action is required.

Message NPV-3-LS_RJT_SENT: [chars]
Explanation NPV process sent an LS_RJT frame.
Recommended Action No action is required.

Message NPV-3-MALLOC_FAILED: [chars]
Explanation NPV process could not allocate memory
Recommended Action No action is required.

Message NPV-3-MERGE_ACTIVATION_FAILED: [chars]
Explanation An error occurred while activating merged configuration. The reason for the failure: [chars]
Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message NPV-3-MERGE_FAILED: [chars]
Explanation An error occurred while merging configuration. The reason for the failure: [chars]
Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  NPV-3-MTS_SEND_FAILED: [chars]
Explanation  NPV process could not send an MTS message.
Recommended Action  No action is required.

Message  NPV-3-NPIV_DISABLE_FAILED: [chars]
Explanation  NPIV feature could not be disabled.
Recommended Action  No action is required.

Message  NPV-3-NPV_CFS_IPV4_ENABLE_FAILED: CFS IPv4 distribution enable failed because [chars]
Explanation  NPV CFS distribution might not work. Try enabling it again on the command line. Make sure cfs distribution is enabled.
Recommended Action  No action is required.

Message  NPV-3-PORT_BRINGUP_FAILED: [chars]
Explanation  NPV process has failed to bringup the port
Recommended Action  No action is required.

Message  NPV-3-PORT_REINIT_FAILED: [chars]
Explanation  Port re-initiate request initiated by the NPV process has failed
Recommended Action  No action is required.

Message  NPV-3-UNLOCK_FAILED: [chars]
Explanation  An error occurred while releasing the lock. The reason for the failure: [chars]
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NPV-4

Message  NPV-4-NPV_NPIV_NOT_ENABLED_ON_UPSTREAM_SWITCH: [chars]
Explanation  This syslog is printed when the external interface fails to come up due to NPIV feature not enabled on the upstream switch.
Recommended Action  Verify and enable NPIV feature in upstream switch.
Message  NPV-4-NPV_PORT_VSAN_MISMATCH_ON_UPSTREAM_LINK: [chars]

Explanation  This syslog is printed when the external interface fails to come up due to upstream port VSAN mis-match with the upstream switch.

Recommended Action  Make sure port VSAN is same on both sides of this external link

NPV-5

Message  NPV-5-ASSERTION_FAILED: Unexpected assertion failure in File [chars] at Line [dec]

Explanation  An assertion failed in NPV code

Recommended Action  No action is required.

Message  NPV-5-FLEXATTACH_VPWWN_AUTO_ASSIGNED: A virtual port WWN [chars] has been automatically assigned to interface [chars]

Explanation  The virtual port WWN will be used as port WWN for devices logging in on this interface.

Recommended Action  No action is required.

Message  NPV-5-FLEXATTACH_VPWWN_MANUALLY_ASSIGNED: A virtual port WWN [chars] has been manually assigned to interface [chars]

Explanation  The virtual port WWN will be used as port WWN for devices logging in on this interface.

Recommended Action  No action is required.

Message  NPV-5-FLEXATTACH_VPWWN_UNASSIGNED: The virtual port WWN has been unassigned from interface [chars]

Explanation  The physical port WWN will be used as port WWN for devices logging in on this interface.

Recommended Action  No action is required.

Message  NPV-5-FRAME_DISCARDED: [chars]

Explanation  NPV process discarded an FC2 frame.

Recommended Action  No action is required.
Message NPV-5-NPV_LOAD_BALANCE_REINIT: Server ports reinitialized: [chars]
Explanation Server ports are reinitialized to balance the loads on the external interfaces.
Recommended Action No action is required.

Message NPV-5-UNEXPECTED_EVENT: [chars]
Explanation NPV process has received an unexpected event in the current state.
Recommended Action No action is required.

NPV-6

Message NPV-6-ABTS_SENT: [chars]
Explanation NPV process sent an ABTS frame.
Recommended Action No action is required.

Message NPV-6-ELS_CMD_SENT_TO_CORE: [chars]
Explanation NPV process sent an ELS frame to the core switch.
Recommended Action No action is required.

Message NPV-6-ELS_CMD_SENT_TO_SRV: [chars]
Explanation NPV process sent an ELS frame to the server.
Recommended Action No action is required.

Message NPV-6-EXT_IF_SELECTED: [chars]
Explanation NPV process has selected an external interface to forward either all frames received on a server interface or frames received from a specific port WWN.
Recommended Action No action is required.

Message NPV-6-FABRIC_PROXY_LOGO_SENT: [chars]
Explanation NPV process sent a LOGO frame to the device as the corresponding external interface went down.
Recommended Action No action is required.
Message  NPV-6-FDISC_RCVD: [chars]
Explanation  NPV process received an FDISC frame.
Recommended Action  No action is required.

Message  NPV-6-FDISC_SENT: [chars]
Explanation  NPV process sent an FDISC frame to the core switch.
Recommended Action  No action is required.

Message  NPV-6-FLOGI_RCVD: [chars]
Explanation  NPV process received an FLOGI frame.
Recommended Action  No action is required.

Message  NPV-6-INTERNAL_FLOGI_SENT: [chars]
Explanation  NPV process sent an internal FLOGI frame to the core switch on an external interface.
Recommended Action  No action is required.

Message  NPV-6-LOGO_RCVD: [chars]
Explanation  NPV process received a LOGO frame.
Recommended Action  No action is required.

Message  NPV-6-LOGO_SENT: [chars]
Explanation  NPV process sent a LOGO frame.
Recommended Action  No action is required.

Message  NPV-6-LS_ACC_RCVD: [chars]
Explanation  NPV process received an LS_ACC frame.
Recommended Action  No action is required.

Message  NPV-6-LS_ACC_SENT: [chars]
Explanation  NPV process sent an LS_ACC frame.
Recommended Action  No action is required.
Message NPV-6-MTS_NOTIF_RCVD: [chars]
Explanation NPV process received an MTS notification.
Recommended Action No action is required.

Message NPV-6-MTS_NOTIF_SENT: [chars]
Explanation NPV process sent an MTS notification.
Recommended Action No action is required.

Message NPV-6-MTS_REQ_RCVD: [chars]
Explanation NPV process received an MTS request.
Recommended Action No action is required.

Message NPV-6-MTS_REQ_SENT: [chars]
Explanation NPV process sent an MTS request.
Recommended Action No action is required.

Message NPV-6-MTS_RESP_RCVD: [chars]
Explanation NPV process received an MTS response.
Recommended Action No action is required.

Message NPV-6-MTS_RESP_SENT: [chars]
Explanation NPV process sent an MTS response.
Recommended Action No action is required.

Message NPV-6-NPIV_DISABLED: [chars]
Explanation NPIV feature has been disabled.
Recommended Action No action is required.

Message NPV-6-NPIV_ENABLED: [chars]
Explanation NPIV feature has been enabled.
Recommended Action No action is required.
NPV-6-NPV_ENABLE_DISABLE_IN_PROGRESS: [chars]

Explanation NPV feature enable/disable is in progress. This syslog is printed at the beginning of various significant phases.

Recommended Action No action is required.

NPV-6-NPV_LOAD_BALANCE_TIMER_START: (Re)starting automatic load balancing timer for [dec] seconds

Explanation Timer started for upon external interface up or server interface down. When the timer goes off some of the server interfaces may be reinitialized to evenly distribute the server interfaces amongst the eligible external interfaces.

Recommended Action No action is required.

NPV-6-SERVER_PROXY_LOGO_SENT: [chars]

Explanation NPV process sent a LOGO frame to the core switch as the server interface went down.

Recommended Action No action is required.

NPV-7

NPV-7-CFS_REQ_RCVD: [chars]

Explanation CFS request is received. The WWN of the switch originated this request and the RR-token of the request are provided in the syslog message.

Recommended Action No action is required.

NPV-7-CFS_RESP_SENT: [chars]

Explanation CFS response is sent. The re-token of the corresponding request and the status are provided in the syslog message

Recommended Action No action is required.

NTP Messages

This section contains the NTP messages.
NTP-2

**Message**  NTP-2-NTP_SYSLOG_CRIT_ERR: [chars]

**Explanation**  NTP syslog Critical Error: [chars].

**Recommended Action**  No action is required.

**Message**  NTP-2-NTP_SYSLOG_INIT_FAIL: [chars] [chars]

**Explanation**  NTP Initialization Failed: [chars] [chars].

**Recommended Action**  No action is required.

**Message**  NTP-2-NTP_SYSLOG_NO_RESP_FROM_LC: from LC [dec] for [chars]

**Explanation**  NTP did not receive response from the linecard for the request sent.

**Recommended Action**  No action is required.

NTP-3

**Message**  NTP-3-NTP_SYSLOG_ALLOC_FAIL:: [chars]

**Explanation**  NTP syslog allocation failed: [chars].

**Recommended Action**  No action is required.

**Message**  NTP-3-NTP_SYSLOG_ERR_EXT:: [chars] [chars]

**Explanation**  NTP syslog Error Exit: [chars] [dec].

**Recommended Action**  No action is required.

**Message**  NTP-3-NTP_SYSLOG_ERR: [chars]

**Explanation**  NTP syslog Error: [chars].

**Recommended Action**  No action is required.

**Message**  NTP-3-NTP_SYSLOG_MTS_ERR: [chars]

**Explanation**  NTP MTS Error: [chars].

**Recommended Action**  No action is required.
NTP-6

**Message**  NTP-6-NTP_SYSLOG.Created::  [chars]; Slot No:  [dec]

**Explanation**  NTP syslog created: [chars] [chars].

**Recommended Action**  No action is required.

**Message**  NTP-6-NTP_SYSLOG.EXIT:  [chars]

**Explanation**  NTP syslog Exit: [chars].

**Recommended Action**  No action is required.

**Message**  NTP-6-NTP_SYSLOG.LOGGING:  [chars]

**Explanation**  NTP logging: [chars].

**Recommended Action**  No action is required.

**Message**  NTP-6-NTP_SYSLOG.WARN:  [chars]

**Explanation**  NTP syslog Warning: [chars].

**Recommended Action**  No action is required.

NVP Messages

This section contains the NVP messages.

NVP-6

**Message**  NVP-6-NVP_INFO:  [chars]

**Explanation**  NVP daemon informational message

**Recommended Action**  No action is required.

**Message**  NVP-6-STARTING: deamon started

**Explanation**  The NVP daemon successfully started

**Recommended Action**  No action is required.
NVP-SLOT#-2

**Message**  NVP-SLOT#-2-CPP_CATASTROPHIC_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation**  Component caused critical error

**Recommended Action**  Restart the linecard

OBFL Messages

This section contains the OBFL messages.

OBFL-3

**Message**  OBFL-3-ERROR: [chars]

**Explanation**  Obfl_encountered an error

**Recommended Action**  No action is required.

OC_USD Messages

This section contains the OC_USD messages.

OC_USD-2

**Message**  OC_LOG_CRIT_RF_CRC: Octopus received packets with CRC error from module %d or from xbar %s

**Explanation**  Octopus received packets with CRC error from fabric or from module

**Recommended Action**  Use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands ‘diagnostic start module <mod> test all’ and ‘show diagnostic result module <mod> test all detail’. The result will display the information about the failures in HW, if any.

ONEP Messages

This section contains the ONEP messages.
ONEP-2


Explanation The Onepsync ISSU client failed to get buffer space for building a negotiation message. A negotiation message cannot be sent to the standby device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION (show logging and show checkpoint client)

Message ONEP-2-INIT: Onepsync ISSU client initialization failed to [chars]. Error: [dec] ([chars])

Explanation The Onepsync ISSU client could not be initialized. This initialization failure must be addressed before in-service software upgrade or downgrade can be performed successfully. If you do not address this failure, there will be downtime during software upgrade or downgrade.

Recommended Action LOG_STD_ACTION

Message ONEP-2-NE_PSS_32_ERR: ONEP [chars] configuration mismatch: Network Element([dec]) / PSS([dec])

Explanation The Network Element and Persistent Storage for the running-config are out of sync. If no other error has occurred, the Network Element configuration will take precedence.

Recommended Action LOG_STD_SH_CMD_ACTION (Try reconfiguring the item, possibly using the [no] form to restore a default value if a new one doesn’t take. The ‘show running-config’ command should be used to see if this error persists.

Message ONEP-2-NE_PSS_STRING_ERR: ONEP [chars] configuration mismatch: Network Element([chars]) / PSS([chars])

Explanation The Network Element and Persistent Storage for the running-config are out of sync. If no other error has occurred, the Network Element configuration will take precedence.

Recommended Action LOG_STD_SH_CMD_ACTION (Try reconfiguring the item, possibly using the [no] form to restore a default value if a new one doesn’t take. The ‘show running-config’ command should be used to see if this error persists.


Explanation The Onepsync ISSU client failed to send a session negotiation message to the peer device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION (show logging and show checkpoint client)
Message ONEP-2-SESSION_NEGO_FAIL_START: Failed to start Onepsync ISSU session negotiation. Error: [dec] ([chars])

Explanation The Onepsync ISSU client failed to start session negotiation. If a problem occurs with the ISSU session start, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION (show issue session <client_id>)


Explanation The Onepsync ISSU client failed to register session information. If a problem occurs with the ISSU session registration, the standby device cannot be brought up properly.

Recommended Action LOG_STD_SH_CMD_ACTION (show issu capability entries <client_id>)

ONEP-3

Message ONEP-3-AUTHEN_ERR: [[chars]]: Authentication/authorization failed. [chars]

Explanation The session authentication has failed

Recommended Action LOG_STD_SH_CMD_ACTION (Check users credentials are matched against the AAA/ local users configured on the Network Element.)

Message ONEP-3-BUSY_ERR: [[chars]]: The requested resource is currently busy. [chars].

Explanation The usage of the resource has exceeded the configured threshold value

Recommended Action LOG_STD_SH_CMD_ACTION (Check the current resource usage and configured resource threshold. cpu threshold rising <value>)

Message ONEP-3-DISABLED_ERR: [[chars]]: [chars] is disabled.

Explanation The requested service set is in disabled state. All the service requests for that service set will be rejected.

Recommended Action LOG_STD_SH_CMD_ACTION (Make sure the service set is enabled. connect edness service set <name>)

Message ONEP-3-DUPLICATE_ERR: [[chars]]: Requested entity [chars] already exists.

Explanation The connection request to the network element already exists

Recommended Action LOG_STD_SH_CMD_ACTION (Make sure the uniqueness of the application name. One session per application is allowed on a network element.)
Message ONEP-3-INVALID_SESSION: Onepsync ISSU client does not have a valid registered session.

Explanation The Onepsync ISSU client does not have a valid registered session.

Recommended Action LOG_STD_SH_CMD_ACTION (show issu capability entries <client_id>)

Message ONEP-3-LISP_DISABLED_ERR: [[chars]]: [chars] is disabled.

Explanation The requested service set is in disabled state. All the service requests for that service set will be rejected.

Recommended Action LOG_STD_SH_CMD_ACTION (Make sure the service set is enabled. connected apps service set lisp)

Message ONEP-3-MSG_NOT_OK: Onepsync ISSU client Message Type [dec] is not compatible

Explanation The Onepsync ISSU client received an incompatible message from the peer device. The message cannot be processed.

Recommended Action LOG_STD_SH_CMD_ACTION (show issu message group <client_id>)

Message ONEP-3-MSG_SIZE: Onepsync ISSU client failed to get the MTU for Message Type [dec]. Error: [dec] ([chars])

Explanation The Onepsync ISSU client failed to calculate the MTU for the specified message. The Onepsync ISSU client is not able to send the message to the standby device.

Recommended Action LOG_STD_SH_CMD_ACTION (show issu message group <client_id>)

Message ONEP-3-SESSION_UNREGISTRY: Onepsync ISSU client failed to unregister session information. Error: [dec] ([chars])

Explanation The Onepsync ISSU client failed to unregister session information.

Recommended Action LOG_STD_SH_CMD_ACTION (show issu session <client_id>)

Message ONEP-3-VERSION_ERR: [[chars]]: ONE-P version incompatible between client and network element. [chars]

Explanation The ONE-P client service set version is incompatible with the one installed on the network element

Recommended Action LOG_STD_SH_CMD_ACTION (Make sure the version running on the client side is compatible with the one installed on the network element)
ONEP-4

**Message**  ONEP-4-ONEP_DISABLED: ONEP feature is administratively disabled, terminated [[dec]] connected application(s)

**Explanation**  Administrator has disabled ONEP feature while application sessions were active. All active sessions have been terminated. To enable ONEP again use 'feature onep' command in configuration mode.

**Recommended Action**  LOG_STD_SH_CMD_ACTION (No action is required if this was deliberate operation. To enable ONEP again use 'feature onep' command in configuration mode.)

ONEP-6

**Message**  ONEP-6-HISTORY: [chars]

**Explanation**  This syslog message is used to display one PK history messages when the history syslog one p command is enabled.

**Recommended Action**  LOG_STD_SH_CMD_ACTION (No action is required. Use no history syslog at the onep configuration prompt to turn off this logging if desired).

**ORI_FWD Messages**

This section contains the ORI_FWD messages.

**ORI_FWD-2**

**Message**  ORI_FWD-2-CRIT_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

**ORI_FWD-6**

**Message**  ORI_FWD-6-ORF_DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

**ORI_MAC Messages**

This section contains the ORI_MAC messages.
ORI_MAC-2

Message  ORI_MAC-2-ORI_MAC_CRIT_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

ORI_MAC-6

Message  ORI_MAC-6-ORI_MAC_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

ORI_XBAR_USD Messages

This section contains the ORI_XBAR_USD messages.

ORI_XBAR_USD-2

Message  ORI_XBAR_USD-2-CRIT_MSG: [chars]
Explanation  Critical log message
Recommended Action  No action is required.

Message  ORI_XBAR_USD-2-FR_CRC: [chars]
Explanation  FR CRC Message
Recommended Action  No action is required.

Message  ORI_XBAR_USD-2-SYNC_ERR: [chars]
Explanation  Sync loss error
Recommended Action  No action is required.
**ORI_XBAR_USD-4**

**Message**  ORI_XBAR_USD-4-WARNING_MSG: [chars]

**Explanation**  Warning log message

**Recommended Action**  No action is required.

**ORI_XBAR_USD-6**

**Message**  ORI_XBAR_USD-6-DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

**OTM Messages**

This section contains the OTM messages.

**OTM-2**

**Message**  OTM-2-OTM_EEM_FAIL: OTM failed to register with EEM

**Explanation**  OTM process failed to register with eem, exiting now

**Recommended Action**  No action is required.

**OTM-3**

**Message**  OTM-3-OTM_ERROR: [chars] [chars]

**Explanation**  [chars1][chars2]

**Recommended Action**  No action is required.

**OTM-5**

**Message**  OTM-5-OTM_OBJECT_STATUS: Status of tracking object [dec] changed to [chars]

**Explanation**  Status of tracking object [dec] changed to [chars]

**Recommended Action**  No action is required.
Message  OTM-5-OTM_OBJ_ADD:: Tracking object [dec] configured, status of the object [chars]

Explanation  Tracking Object [dec] configured, status of the object [chars]

Recommended Action  No action is required.

OTM-6

Message  OTM-6-OTM_EXITED: OTM process exited

Explanation  OTM process is terminated

Recommended Action  No action is required.

Message  OTM-6-OTM_OBJ_REM:: Tracking object [dec] removed

Explanation  Tracking Object [dec] removed

Recommended Action  No action is required.

Message  OTM-6-OTM_STARTED: OTM process started

Explanation  OTM process is up and running

Recommended Action  No action is required.

Message  OTM-6-OTM_TRACK_START: Client started tracking object [dec]

Explanation  Client has started tracking object [dec]

Recommended Action  No action is required.

Message  OTM-6-OTM_TRACK_STOP: Client stopped tracking object [dec]

Explanation  Client has stopped tracking object [dec]

Recommended Action  No action is required.

PHY_USD Messages

This section contains the PHY_USD messages.
Chapter 5      M to R

PHY_USD-SLOT#-4

**Message**  PHY_USD-SLOT#-4-LOG_PHY_ISSU_LINK_ST_CHNG: Port [dec]: link state during ISSU

**Explanation**  Port Link status changed while performing an In Service System Upgrade. Disabling the port.

**Recommended Action**  No action is required.

PIXM Messages

This section contains the PIXM messages.

PIXM-2

**Message**  PIXM-2-PIXM_SYSLOG_MESSAGE_TYPE_CRIT: [chars]

**Explanation**  PIXM has encountered a critical error

**Recommended Action**  Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all’

PIXM-3

**Message**  PIXM-3-PIXM_SYSLOG_MESSAGE_TYPE_ERR: [chars]

**Explanation**  PIXM has encountered an error

**Recommended Action**  Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all’

PIXM-4

**Message**  PIXM-4-PIXM_SYSLOG_MESSAGE_TYPE_WARNING: [chars]

**Explanation**  PIXM has encountered a warning-level error

**Recommended Action**  Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all’
PIXM-7

Message  PIXM-7-PIXM_SYSLOG_MESSAGE_TYPE_DEBUG: [chars]

Explanation  This is a debug output from PIXM

Recommended Action  Please collect PIXM tech support using 'show tech pixm' and 'show tech pixmc-all''

PLATFORM Messages

This section contains the PLATFORM messages.

PLATFORM-0

Message  PLATFORM-0-CHASSIS_CLKSWITCH: Hardware clock switched to redundant clock-[dec]

Explanation  Clock module on chassis detected a failure and switched to redundant clock module.

Recommended Action  Please perform a 'show platform internal info' to collect more information.

Message  PLATFORM-0-CHASSIS_CLKSWRESET: Switch reset due to clock switch

Explanation  Chassis clock source has failed and system will be reset. System will automatically start using redundant clock module.

Recommended Action  Please refer to the platform document on clock modules.

Message  PLATFORM-0-CHASSIS_CLKSW_MODULE_RESET: Modules reset due to clock switch

Explanation  Chassis clock source has switched and all Vegas line cards will be reset. System will automatically continue using redundant clock module.

Recommended Action  Please refer to the platform document on clock modules.

Message  PLATFORM-0-FAIL_REMOVED: Fan module removed. Fan[dec] has been absent for [dec] seconds

Explanation  Fan module is removed. This could lead to temperature alarms.

Recommended Action  Replace the fan module ASAP.
Message  PLATFORM-0-MOD_TEMPMAJALRM: [chars] reported Major temperature alarm.

Explanation  Module in slot [decimal digit] exceeded major temperature threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message  PLATFORM-0-MOD_TEMPSHUTDOWN: [chars] powered down due to major temperature alarm for Sensor [dec].

Explanation  Module in slot [decimal digit] shutdown due to temperature exceeding major threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message  PLATFORM-0-MOD_TEMPWARMALRM: [chars] reported Warm temperature alarm.

Explanation  Module in slot [decimal digit] exceeded warm temperature threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message  PLATFORM-0-PFM_EMERGENCY: [chars]

Explanation  Platform Emergency

Recommended Action  No action is required.

Message  PLATFORM-0-SUP_SPROM_ERROR: Unable to read SPROM for Sup in slot [dec]

Explanation  The supervisor in slot [decimal digit] was not able to read its SPROM.

Recommended Action  No action is required.

Message  PLATFORM-0-SUP_WRONGSLOTNUM: Supervisor powered up in WRONG SLOT:[dec]
(Serial number [chars])

Explanation  The supervisor is coming up in wrong slot [decimal digit].

Recommended Action  No action is required.

Message  PLATFORM-0-SYS_LC_DRIVER_LOAD_FAILED: Failed to load linecard module drivers

Explanation  Failed to load drivers.

Recommended Action  Image is possibly corrupt. Try to load a different image.
Message  PLATFORM-0-SYS_RESET: [chars] System shutdown in [dec] seconds

Explanation  System shutdown in [decimal digit] seconds.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message  PLATFORM-0-SYS_SHUTDOWN_FAN_REMOVAL: System shutdown in [dec] seconds due to fan removal

Explanation  System shutdown in [decimal digit] seconds due to removal of fan module.

Recommended Action  Please perform a 'show environment fan' to collect more information.

Message  PLATFORM-0-SYS_SHUTDOWN_MDS9124_FAN_FAIL: System shutdown in [dec] seconds due to less than 4 fans operating.

Explanation  System shutdown in [decimal digit] seconds due to less than 4 fans operating.

Recommended Action  Please perform a 'show environment fan' to collect more information.

Message  PLATFORM-0-SYS_SHUTDOWN: System shutdown in [dec] seconds due to major temperature alarm

Explanation  System shutdown in [decimal digit] seconds due to temperature exceeding major threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message  PLATFORM-0-SYS_SUP_DRIVER_LOAD_FAILED: Failed to load supervisor module drivers

Explanation  Failed to load drivers.

Recommended Action  Image is possibly corrupt. Try to load a different image.

Message  PLATFORM-0-XBAR_CARD_CLK_FAIL: Xbar card in slot:[dec] (Serial number [chars]) encountered clock failure

Explanation  The xbar in slot [decimal digit] encountered clock failure.

Recommended Action  No action is required.

Message  PLATFORM-0-XBAR_CARD_INCOMPAT_CHASSIS: Xbar card in slot:[dec] (Part number [chars]) Incompatible with backplane chassis Part Num:[chars]

Explanation  The xbar in slot [decimal digit] is incompatible with backplane chassis.

Recommended Action  No action is required.
Message  PLATFORM-0-XBAR_WRONGSLOTNUM: Xbar powered up in WRONG SLOT:[dec] (Serial number [chars])

Explanation  The xbar in slot [decimal digit] powered up in wrong slot.

Recommended Action  No action is required.

PLATFORM-1

Message  PLATFORM-1-FABRIC_SWITCH_FAN_FAIL: Less than 4 required fans operating.

Explanation  Fan module has failed leaving less than 4 total fans operating. Fan needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action  Please perform a 'show platform internal info' to collect more information.'

Message  PLATFORM-1-FAN_FAIL: Fan module Failed

Explanation  Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action  Please perform a 'show platform internal info' to collect more information.'

Message  PLATFORM-1-PFM_ALERT: [chars]

Explanation  Platform Alert

Recommended Action  No action is required.

Message  PLATFORM-1-PS_SINGLE_INPUT: Both power inputs are connected for Power supplies, remove single-input configuration for optimal power usage

Explanation  Current power supply redundancy mode may not be optimal

Recommended Action  Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

Message  PLATFORM-1-XBAR_PWRDENY: Xbar [dec] can not be powered up due to insufficient power (Serial number [chars])

Explanation  Available power in power supplies is not sufficient to power up the xbar

Recommended Action  You can verify available power and current usage using command 'show environment power'. Please Refer To Power Supply Document On How To Increase Power Supply Capacity.
PLATFORM-2

**Message** PLATFORM-2-9134_FAN_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-9134_FAN_OK: Fan module [dec] ok

**Explanation** Fan module is ok.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CASA_FAN_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-CASA_FAN_OK: Fan module [dec] ok

**Explanation** Fan module is ok.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CHASSIS_CLKMODFAULTY: Chassis clock module [dec] faulty

**Explanation** Clock module on chassis is faulty or has been removed.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-CHASSIS_CLKMODOK: Chassis clock module [dec] ok

**Explanation** Clock module on chassis is functioning properly.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CHASSIS_CLKSRC: Current chassis clock source is clock-[dec]

**Explanation** The current chassis clock source is [decimal digit].

**Recommended Action** No action is required.

Explanation  The specified fanlets have failed. This can lead to overheating and temperature alarms.

Recommended Action  Please perform a to collect more information 'show platform internal info' to collect more information.


Explanation  Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action  Please perform a 'show platform internal info' to collect more information.'


Explanation  Fan module is ok

Recommended Action  No action is required.

Message  PLATFORM-2-FAN_FAIL_: Fan [dec] Failed

Explanation  Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action  Please perform a 'show platform internal info' to collect more information.'

Message  PLATFORM-2-FAN_OK_: Fan [dec] ok

Explanation  Fan is ok

Recommended Action  No action is required.

Message  PLATFORM-2-FAN_OK: Fan module ok

Explanation  Fan module is ok

Recommended Action  No action is required.

Message  PLATFORM-2-FAN_REMOVED: Fan module [dec] (Serial number [chars]) [chars] removed

Explanation  Fan module is removed

Recommended Action  No action is required.
Message PLATFORM-2-FAN_REMOVED_: Fan module [dec] [chars] removed

Explanation  Fan module is removed

Recommended Action  No action is required.

Message PLATFORM-2-INSUFFICIENT_MAC: program management port on all the non-default VDCs

Explanation  Could not program the mac address for the management port of all the VDCs

Recommended Action  No action is required.

Message PLATFORM-2-MEMORY_ALERT_RECOVERED: Memory Status Alert: [chars]

Explanation  Memory alert event received

Recommended Action  None

Message PLATFORM-2-MEMORY_ALERT: Memory Status Alert: [chars]. Usage [chars]% of Available Memory

Explanation  Memory alert event received

Recommended Action  None

Message PLATFORM-2-MOD_ALL_PWRDN_NOXBAR: All modules powered down due to non-availability of xbar modules

Explanation  All modules in switch are powered down because all xbar modules are offline

Recommended Action  Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. At least one Xbar module has to be for modules to function'

Message PLATFORM-2-MOD_DETECT: Module [dec] detected (Serial number [chars]) Module-Type [chars] Model [chars]

Explanation  A new module in slot [decimal digit] is detected.

Recommended Action  No action is required.
Message  PLATFORM-2-MOD_PWRDENY: Module [dec] can not be powered up due to insufficient power (Serial number [chars])

Explanation  Available power in power supplies is not sufficient to power up the module

Recommended Action  You can verify available power and current usage using command 'show environment power'. Please refer to power supply document on how to increase power supply capacity.

Message  PLATFORM-2-MOD_PWRDN: Module [dec] powered down (Serial number [chars])

Explanation  The module in slot [decimal digit] is powered down.

Recommended Action  Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.

Message  PLATFORM-2-MOD_PWRFAIL_EJECTORS_OPEN: All ejectors open, Module [dec] will not be powered up (Serial number [chars])

Explanation  The module can not be powered up because all the ejectors are open.

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-2-MOD_PWRFAIL: Module [dec] failed to power up (Serial number [chars])

Explanation  The module in slot [decimal digit] failed to power up.

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

Message  PLATFORM-2-MOD_PWRIDPROMFAIL: Module [dec] failed to power up due to IDPROM read error

Explanation  The module can not be powered up due to IDPROM read error.

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.
Message  PLATFORM-2-MOD_PWRIDPROM_SW_CARD_ID_UNKNOWN: Module [dec] failed to power up. (Unknown card. Could not get software-card-id)

Explanation  The module can not be powered up due to missing SWID in core-plugin for this CARDID

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sp rom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-2-MOD_PWRUP_XBAR: Modules powered up due to xbar availability

Explanation  Modules powered up because at least one xbar module is online

Recommended Action  No action needed

Message  PLATFORM-2-MOD_PWRUP: Module [dec] powered up (Serial number [chars])

Explanation  The module in slot [decimal digit] is powered up.

Recommended Action  No action is required.

Message  PLATFORM-2-MOD_REMOVE: Module [dec] removed (Serial number [chars])

Explanation  The module in slot [decimal digit] has been removed.

Recommended Action  No action is required.


Explanation  Module in slot [decimal digit] warm temperature threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.'


Explanation  Module in slot [decimal digit] major temperature threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.


Explanation  Module in slot [decimal digit] has exceeded minor temperature threshold.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Explanation Module in slot [decimal digit] warm temperature threshold.

Recommended Action Please perform a 'show environment temperature' to collect more information.


Explanation Module in slot [decimal digit] minor temperature threshold.

Recommended Action Please perform a 'show environment temperature' to collect more information.


Recommended Action Please perform a 'show environment temperature' to collect more information.


Explanation Module in slot [decimal digit] warm temperature threshold.

Recommended Action Please perform a 'show environment temperature' to collect more information.

Message PLATFORM-2-PFM_CRITICAL: [chars]

Explanation Platform Critical

Recommended Action No action is required.

Message PLATFORM-2-PFM_FATW_BUS_SWITCH_FAIL: Backplane two wire [chars] bus connection fault detected but failed to perform bus switchover (BUS_A to BUS_B)

Explanation Could not access some modules using BUS_A, but can access using BUS_B

Recommended Action Please perform a 'show platform internal err'

Message PLATFORM-2-PFM_FATW_BUS_SWITCH: Backplane two wire [chars] bus connection or device fault caused bus switchover (BUS_A to BUS_B)

Explanation Could not access some modules using BUS_A, but can access using BUS_B

Recommended Action Please perform a 'show platform internal err'
Message  PLATFORM-2-PFM_IMG_CMPT_FAIL: Image version is not supported in this chassis.

Explanation  This image version is not supported in this chassis.

Recommended Action  Sup-platform

Message  PLATFORM-2-PFM_LC_BOOT_DEV_ABSENT: No bootflash found in Module [dec]

Explanation  No bootflash found.

Recommended Action  Try to put in a bootflash in the module and try again.

Message  PLATFORM-2-PFM_LC_BOOT_DEV_FAIL: Bootflash access error in Module [dec]

Explanation  Bad bootflash/corrupted filesystem.

Recommended Action  Try to put in a known good bootflash in the module and try again.

Message  PLATFORM-2-PFM_LC_MOD_POWERED_DOWN: Module [dec] Powered Down. Module is not supported in this chassis. (Chassis Incompatible card)

Explanation  Module Powered Down, because Module is not supported in this chassis. (Chassis Incompatible card)

Recommended Action  Please perform a 'show module' to see the Power Down reason.

Message  PLATFORM-2-PFM_LC_NETBOOT_FAIL: Netboot for Module [dec] failed

Explanation  Netboot failed.

Recommended Action  Try to replace the BIOS in the module.

Message  PLATFORM-2-PFM_LC_REGISTRATION_FAIL: Could not register with Module [dec]

Explanation  Module registration failed.

Recommended Action  Try to replace the module.

Message  PLATFORM-2-PFM_LC_STATUS: Module [dec] powered up with [dec] status

Explanation  Status for the module that failed registration.

Recommended Action  Try to replace the module.
Message  PLATFORM-2-PFM_LOW_MEMORY_CONDITION: Module [dec] is running low on memory. %ld percent used

Explanation  Supervisor is running low on memory

Recommended Action  Switchover


Explanation  Policy trigger initiated a module power off

Recommended Action  None


Explanation  User initiated a module power-off from the CLI

Recommended Action  None

Message  PLATFORM-2-PFM_MODULE_POWER_ON: Manual power-on of [chars] from Command Line Interface

Explanation  User initiated a module power-on from the CLI

Recommended Action  None


Explanation  User initiated a module reload from the CLI

Recommended Action  None

Message  PLATFORM-2-PFM_NETBOOT_DISABLE: Netboot for supervisor module in slot [dec] is disabled due to incompatible platform

Explanation  Standby supervisor failed to power up.

Recommended Action  Try to replace the standby supervisor.

Message  PLATFORM-2-PFM_PREP_DEEP_SLEEP: Supervisor module in slot [dec] preparing to enter deep sleep mode

Explanation  Deep sleep mode initiated by the Connectivity Management Processor (CMP) for this supervisor

Recommended Action  No action is required.
Message  PLATFORM-2-PFM_PWR_MGMT_EPLD_VER_MISMATCH: Module [dec] Pwr Mgmt Epld (Version-[dec]) needs to be upgraded

Explanation  Using a wrong version of Epld version can result in unexplainable behaviour

Recommended Action  Upgrade Power Management EPLD

Message  PLATFORM-2-PFM_STDBY_POWERUP_FAIL: standby supervisor failed to powerup

Explanation  Standby supervisor failed to power up.

Recommended Action  Try to replace the standby supervisor.

Message  PLATFORM-2-PFM_SYSTEM_RESET_TRIGGER: System restart due to [chars] policy trigger

Explanation  Policy/trigger initiated a system reload

Recommended Action  None

Message  PLATFORM-2-PFM_SYSTEM_RESET: Manual system restart from Command Line Interface

Explanation  User initiated a system reload from the CLI

Recommended Action  None

Message  PLATFORM-2-PFM_SYSTEM_SHUTDOWN_TRIGGER: System shutdown due to [chars] policy trigger

Explanation  Policy/trigger initiated a system shutdown

Recommended Action  None


Explanation  User initiated a xbar reload from the CLI

Recommended Action  None

Message  PLATFORM-2-PLUGIN_ABSENT: Module in slot[dec] (sw_card_id=[dec]) has missing plugin

Explanation  Plugin not loaded, The LC cannot be powered up

Recommended Action  Load the associated plugin
Message PLATFORM-2-PS_ABSENT: Power supply [dec] is absent/shutdown, PS-redundancy might be affected

Explanation Power Supply is absent.

Recommended Action No action is required.

Message PLATFORM-2-PS_ALI_ONE POWERSUPPLY_WORK_AROUND: only one Power supply is functional; connect at least two Power supply

Explanation Only one power supply is functional. The Cisco MDS 9250i Switch requires at least two power supplies.

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

Message PLATFORM-2-PS_ALI_ONE POWERSUPPLY: Only one Power supply is functional; Switch will be shutting down in [dec] mins

Explanation Only one power supply is functional. The Cisco MDS 9250i Switch requires at least two power supplies.

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

Message PLATFORM-2-PS_ALI_TWO POWERSUPPLY: Only two Power supply are functional, please connect third Power Supply for redundancy

Explanation Only two Power supply are functional, please connect third Power supply for redundancy

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

Message PLATFORM-2-PS_CAPACITY_CHANGE: Power supply PS [dec] changed its capacity. possibly due to power cable removal/insertion (Serial number [chars])

Explanation Detected power supply capacity change.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power 'and 'show platform internal info' to collect more information.'
Message PLATFORM-2-PS_CAPACITY_DIFFER: Detected power supplies with differing capacity. It is recommended to have same capacity for both power supplies otherwise it may cause service disruptions

Explanation Detected a power supply that has differing capacity than another power supply.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

Message PLATFORM-2-PS_DETECT: Power supply [dec] detected but shutdown (Serial number [chars])

Explanation Power Supply is detected but shutdown.

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.

Message PLATFORM-2-PS_FAIL: Power supply [dec] failed or shut down (Serial number [chars])

Explanation Power Supply has failed or been shutdown

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information. Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.


Explanation Fan module in the Power Supply has failed

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.


Explanation Fan module in the Power Supply is OK.

Recommended Action No action is required.

Message PLATFORM-2-PS_MISMATCH: Detected power supply [chars]. This reduces the redundant power available to the system and can cause service disruptions (Serial number [chars])

Explanation Detected a new power supply that has reduced capacity than an existing power supply.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.
Message  PLATFORM-2-PS_OK: Power supply [dec] OK (Serial number [chars])

Explanation  Power Supply is OK.

Recommended Action  No action is required.

Message  PLATFORM-2-PS_PWR_INPUT_MISSING: Power supply [dec] present but all AC/DC inputs are not connected, power redundancy might be affected

Explanation  Power Supply is present but not at full capacity.

Recommended Action  No action is required.

Message  PLATFORM-2-PS_RED_MODE_CHG: Power supply redundancy mode changed to [chars]

Explanation  Power supply redundancy mode changed notification

Recommended Action  Please perform a 'show environment power' and 'show platform internal info' to collect more information.

Message  PLATFORM-2-PS_RED_MODE_RESTORED: Power redundancy operational mode changed to configured mode

Explanation  Power Supply redundancy mode changes.

Recommended Action  No action is required.

Message  PLATFORM-2-PS_REMOVE_LAST: Unexpected removal of last power supply [dec]. (Serial number [chars])

Explanation  Unexpected removal the only power supply in the system.

Recommended Action  Power supply unit may be faulty. Contact CISCO to replace the unit.

Message  PLATFORM-2-PS_REMOVE: Power supply [dec] removed (Serial number [chars])

Explanation  Power Supply is removed.

Recommended Action  No action is required.

Message  PLATFORM-2-PS_UNKNOWN: Detected an unknown power supply [dec] for CISCO Multilayer Switch (Serial number [chars])

Explanation  Unable to determine power supply type. Default power supply types will be assumed.

Recommended Action  Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.
Message PLATFORM-2-PS_UNSUPPORTED: Detected an unsupported power supply [dec] [chars] for CISCO Multilayer Switch (Serial number [chars])

Explanation This power supply is not supported for the CISCO Multilayer Switches.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

Message PLATFORM-2-SYS_IDPROMBAD_RECOVER_FAIL: Chassis IDPROM [dec] data re-initialization UN-successful. Data is invalid

Explanation Chassis IDPROM [decimal digit] re-initialization was unsuccessful. Data is invalid.

Recommended Action Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

Message PLATFORM-2-SYS_IDPROMBAD_RECOVER_PASS: Chassis IDPROM [dec] data re-initialized successfully

Explanation Chassis IDPROM [decimal digit] invalid data was successfully re-initialized to valid.

Recommended Action Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

Message PLATFORM-2-SYS_IDPROMBAD: Chassis IDPROM [dec] data invalid

Explanation Chassis IDPROM [decimal digit] contains invalid data.

Recommended Action Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

Message PLATFORM-2-XBAR_DETECT: Xbar [dec] detected (Serial number [chars])

Explanation A new xbar in slot [decimal digit] is detected.

Recommended Action No action is required.

Message PLATFORM-2-XBAR_PWRFAIL_EJECTORS_OPEN: All ejectors open, Xbar [dec] will not be powered up (Serial number [chars])

Explanation The xbar can not be powered up because all the ejectors are open

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.
Message  PLATFORM-2-XBAR_REMOVE: Xbar [dec] removed (Serial number [chars])

Explanation  The xbar in slot [decimal digit] has been removed.

Recommended Action  No action is required.

PLATFORM-3

Message  PLATFORM-3-EJECTOR_STAT_CHANGED: Ejectors status in slot[dec] has changed, [chars] Ejector is [chars], [chars] Ejectors [chars]'

Explanation  Ejector status has changed

Recommended Action  None

Message  PLATFORM-3-MOD_BRINGUP_MULTI_LIMIT: Giving up after multiple attempts were made to bring up the Module [dec], (Serial number [chars])

Explanation  The module can not be powered up even after three attempts

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' and 'show prom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-3-MOD_PWRFAIL_MULTI: Module [dec] failed to power up multiple times (Serial number [chars])

Explanation  The module can not be powered up even after three attempts

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' and 'show prom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-3-PFM_ERROR: [chars]

Explanation  Platform Error

Recommended Action  No action is required.

Message  PLATFORM-3-SINGLE_EJECTOR_STAT_CHANGED: Ejectors status in slot [dec] has changed, Ejectors [chars]'

Explanation  Ejector status has changed

Recommended Action  None
Message  PLATFORM-3-XBAR_BRINGUP_MULTI_LIMIT: Giving up after multiple attempts were made to bring up the Xbar [dec], (Serial number [chars])

Explanation  The module can not be powered up even after three attempts

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-3-XBAR_PWRFAIL_MULTI: Xbar [dec] failed to power up multiple times (Serial number [chars])

Explanation  The xbar can not be powered up even after three attempts

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-3-XBAR_PWRFAIL: Xbar [dec] failed to power up (Serial number [chars])

Explanation  The xbar in slot [decimal digit] failed to power up

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

Message  PLATFORM-3-XBAR_PWRIDPROMFAIL: Xbar [dec] failed to power up due to IDPROM read error

Explanation  The xbar can not be powered up due to IDPROM read error

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Message  PLATFORM-3-XBAR_PWRIDPROM_SW_CARD_ID_UNKNOWN: Xbar [dec] failed to power up. (Unknown card. Could not get software-card-id)

Explanation  The xbar can not be powered up due to missing SWID in core-plugin for this CARDID

Recommended Action  Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.
PLATFORM-4

Message   PLATFORM-4-MOD_TEMPACCESSFAIL: [chars] temperature sensor [dec] access failed

Explanation  Module in slot [decimal digit] unable to access temperature sensor.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message   PLATFORM-4-MOD_TEMPFAIL: [chars] temperature sensor [dec] failed

Explanation  Module in slot [decimal digit] contains a faulty temperature sensor.

Recommended Action  Please perform a 'show environment temperature' to collect more information.

Message   PLATFORM-4-PFM_FAN_FLTR_STATUS: Fan Filter status: [chars]

Explanation  Fan Filter status: Present/Absent

Recommended Action  Please perform a 'show platform internal info.'

Message   PLATFORM-4-PFM_PS_RED_MODE_CHG: Power redundancy mode changed to [chars]

Explanation  Power redundancy mode changed

Recommended Action  Please perform a 'show platform internal info.'

Message   PLATFORM-4-PFM_WARNING: [chars]

Explanation  Platform Warning

Recommended Action  No action is required.

PLATFORM-5

Message   PLATFORM-5-FAN_DETECT: Fan module [dec] (Serial number [chars]) [chars] detected

Explanation  Fan module is detected

Recommended Action  No action is required.

Message   PLATFORM-5-FAN_DETECT_: Fan module [dec] [chars] detected

Explanation  Fan module is detected

Recommended Action  No action is required.
Message  PLATFORM-5-FAN_STATUS: Fan module [dec] (Serial number [chars]) [chars] current-status is [chars]

Explanation  Fan module changed status

Recommended Action  No action is required.

Message  PLATFORM-5-FAN_STATUS_: Fan module [dec] [chars] current-status is [chars]

Explanation  Fan module changed status

Recommended Action  No action is required.


Explanation  FEX Fan module is detected

Recommended Action  No action is required.


Explanation  FEX Fan module is removed

Recommended Action  No action is required.

Message  PLATFORM-5-FEX_PS_FOUND: Fex [dec] Power Supply [dec] found (Serial number [chars])

Explanation  FEX power supply is found

Recommended Action  No action is required.

Message  PLATFORM-5-FEX_PS_REMOVE: Fex [dec] Power Supply [dec] removed (Serial number [chars])

Explanation  FEX power supply is removed

Recommended Action  No action is required.

Message  PLATFORM-5-MOD_STATUS: [chars] current-status is [chars]

Explanation  Module in slot [decimal digit] changed status.

Recommended Action  No action is required.
Message  PLATFORM-5-PFM_NOTICE: [chars]
Explanation  Platform Notice
Recommended Action  No action is required.

Message  PLATFORM-5-PS_FOUND: Power supply [dec] found (Serial number [chars])
Explanation  Power Supply is detected.
Recommended Action  No action is required.

Message  PLATFORM-5-PS_STATUS: Power Supply [dec] current-status is [chars] [chars]
Explanation  Module in slot [decimal digit] changed status.
Recommended Action  No action is required.

Message  PLATFORM-5-XBAR_PWRDN: Xbar [dec] powered down (Serial number [chars])
Explanation  The xbar in slot [decimal digit] is powered down.
Recommended Action  Please perform a 'show module xbar', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.'

Message  PLATFORM-5-XBAR_PWRUP: Xbar [dec] powered up (Serial number [chars])
Explanation  The xbar in slot [decimal digit] is powered up.
Recommended Action  No action is required.

PLATFORM-6

Message  PLATFORM-6-PFM_INFO: [chars]
Explanation  Platform Info
Recommended Action  No action is required.

PLATFORM-7

Message  PLATFORM-7-PFM_CLOCK_UPD_FAIL: Clock update failed due to context-switch delay of [dec] msec
Explanation  System shutdown in [decimal digit] seconds.
Recommended Action  Please perform a 'show environment temperature' to collect more information.
PLOG_SUP Messages

This section contains the PLOG_SUP messages.

PLOG_SUP-4

Message  PLOG_SUP-4-PLOG_SUP_EXIT: Persistent Logger encountered an error [dec].

Explanation  Persistent Logger encountered an error

Recommended Action  No action is required.

PLOG Messages

This section contains the PLOG messages.

PLOG-4

Message  PLOG-4-PLOG_LC_EXIT: Persistent Logger encountered an error [dec]

Explanation  Persistent Logger encountered an error

Recommended Action  No action is required.

PLSM Messages

This section contains the PLSM messages.

PLSM-3

Message  PLSM-3-EDP_ERR: Interface [chars] in Error Disabled Policy (EDP) state
Check: show interface status error policy [detail]

Explanation  Error Disabled Policy State for a interface.

Recommended Action  None
PLSM-6

**Message**  PLSM-6-SEQ_INFO: EDP State Cleared for interface [chars] vlans [chars]

**Explanation**  EDP State cleared for a interface.

**Recommended Action**  None

**PLTFM_CONFIG Messages**

This section contains the PLTFM_CONFIG messages.

**PLTFM_CONFIG-3**

**Message**  PLTFM_CONFIG-3-PC_ACL_LOU_COMMIT_RESPONSE_FAIL_LOG: LOU threshold commit failed.

**Explanation**  LOU threshold response to commit failed.

**Recommended Action**  No action is required.

**Message**  PLTFM_CONFIG-3-PC_ACL_LOU_COMMIT_TIMEOUT_LOG: LOU threshold commit timed out.

**Explanation**  LOU threshold response to commit timed out.

**Recommended Action**  No action is required.

**Message**  PLTFM_CONFIG-3-PC_ACL_LOU_VERIFY_RESPONSE_FAIL_LOG: LOU threshold verification failed, active acls are using more LOUs than requested threshold, aborting operation.

**Explanation**  LOU threshold response to verify failed, so sending abort msg to all LC aclqos.

**Recommended Action**  No action is required.

**Message**  PLTFM_CONFIG-3-PC_ACL_LOU_VERIFY_TIMEOUT_LOG: LOU threshold verification timed out, aborting operation.

**Explanation**  LOU threshold response to verify timed out, so sending abort msg to all LC aclqos.

**Recommended Action**  No action is required.
**PLTFM_CONFIG-4**

**Message**  PLTFM_CONFIG-4-PC_RBH_MODULO_CONFIG_PROXY_VDC: Some VDCs are in proxy mode and RBH modulo may not work properly for those VDCs.

**Explanation**  Port-channel load-balancing works properly for non proxy VDCs only.

**Recommended Action**  No action is required.

**Message**  PLTFM_CONFIG-4-PC_VDC_CONFIG_RBH_MODULO: This VDC (vdc_id: [dec]) is a proxy VDC and the RBH modulo may not work properly for this VDC.

**Explanation**  Port-channel load-balancing works properly for non proxy VDCs only.

**Recommended Action**  No action is required.

**Message**  PLTFM_CONFIG-4-XL_LICENSE_MIX_NOTIFY: Mixed use of non-XL with XL modules in the same VDC may limit common resources to non-XL capacity.

**Explanation**  This is a reminder that mixing non-XL and XL modules in the same VDC may limit XL modules to the capacity of non-XL modules.

**Recommended Action**  No action is required.

**PLUGIN Messages**

This section contains the PLUGIN messages.

**PLUGIN-2**

**Message**  PLUGIN-2-LOAD_REQUEST_FAILED_ON_STANDBY: Load request failed on standby. rc ([hex])

**Explanation**  Load request failed on standby

**Recommended Action**  No action is required.

**Message**  PLUGIN-2-NOTIFY_MSG_FAILURE: Plugin notify message ([chars]) returned failure (rc [hex])

**Explanation**  Plugin notify message returned failure.

**Recommended Action**  No action is required.
Message PLUGIN-2-NO_MEMORY: Memory allocation failed (size [dec])

Explanation The service failed to allocate memory.

Recommended Action No action is required.

Message PLUGIN-2-PLUGIN_EXTRACT_FAILED_ON_STANDBY: Plugin extraction failed on standby. rc ([hex])

Explanation Plugin extraction failed on standby

Recommended Action No action is required.

Message PLUGIN-2-PLUGIN_LOAD_INTERNAL_ERROR: Plugin has internal error during load operation. Reason: [chars]

Explanation Plugin has internal error

Recommended Action No action is required.

Message PLUGIN-2-PLUGIN_UNLOAD_INTERNAL_ERROR: Plugin has internal error during unload operation. Reason: [chars]

Explanation Plugin has internal error

Recommended Action No action is required.

Message PLUGIN-2-SEND_NOTIFY_MSG_FAILED: Failed to send plugin notify message ([chars]). Reason: [chars]

Explanation Failed to send plugin notify message

Recommended Action No action is required.

Message PLUGIN-2-UNEXPECTED_LOAD_SYNC: Received unexpected plugin load sync. Current plugin request ([dec])

Explanation Standby received load sync and current standby does not have an outstanding load request

Recommended Action No action is required.

Message PLUGIN-2-UNEXPECTED_UNLOAD_SYNC: Received unexpected plugin unload sync. Current plugin request ([dec])

Explanation Standby received unload sync and current standby does not have an outstanding unload request

Recommended Action No action is required.
Message PLUGIN-2-UNLOAD_REQUEST_FAILED_ON_STANDBY: Unload request failed on standby. rc ([hex])

Explanation Unload request failed on standby

Recommended Action No action is required.

Message PLUGIN-2-UPDATE_SYS_INFO_FAILED: Failed to update system information ([chars])

Explanation Failed to update system information

Recommended Action No action is required.

PLUGIN-3

Message PLUGIN-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]/[dec]: [chars]

Explanation Failed to send a message

Recommended Action No action is required.

PMON Messages

This section contains the PMON messages.

PMON-2

Message PMON-2-PGMON_RISING_THRESHOLD: [chars].

Explanation Port Group Rising Threshold Crossed

Recommended Action No action is required.

Message PMON-2-PMON_CRIT_INFO: Port Monitor Critical Information: [chars].

Explanation Port Monitor Critical Information

Recommended Action No action is required.

Message PMON-2-PMON_INIT_FAIL: Port Monitor: [chars].

Explanation Initialization failed, need to exit.

Recommended Action No action is required.
Message PMON-2-PMON_MTS_FAIL: Port Monitor MTS Error: [chars].

Explanation There's mts error.'

Recommended Action No action is required.

Message PMON-2-PMON_PORTGUARD_ACTION: [chars].

Explanation Port Guard config Applied

Recommended Action No action is required.

PMON-3

Message PMON-3-PMON_ERR_INFO: Port Monitor Error: [chars].

Explanation Port Monitor error

Recommended Action No action is required.

PMON-5

Message PMON-5-PGMON_FALLING_THRESHOLD: [chars].

Explanation Port Group Falling Threshold Crossed

Recommended Action No action is required.

PMON-6

Message PMON-6-PMON_LOG_INFO: Port Monitor Log Information: [chars].

Explanation Port Monitor Log Information

Recommended Action No action is required.

PMON-SLOT-[num]-3-RISING_THRESHOLD_REACHED

Message PMON-SLOT[num]-3-RISING_THRESHOLD_REACHED: [port-monitor counter] has reached the rising threshold (port=fc[num] [num], value={num}).

Explanation [port-monitor counter] rising threshold value was reached.

Recommended Action No action is required.
**PMON-SLOT-[num]-3-FALLING_THRESHOLD_REACHED**

**Message**  PMON-SLOT[num]-3-FALLING_THRESHOLD_REACHED: [port-monitor counter] has reached the falling threshold (port=[num] [num], value=[num]).

**Explanation**  [port-monitor counter] falling threshold value was reached.

**Recommended Action**  No action is required.

**POAP Messages**

This section contains the POAP messages.

**POAP-2**

**Message**  POAP-2-POAP_DHCP_DISCOVER_RECVD_NAK: Received DHCP NAK

**Explanation**  Received DHCP NAK

**Recommended Action**  No action is required.

**Message**  POAP-2-POAP_DHCP_DISCOVER_START: POAP DHCP Discover phase started

**Explanation**  POAP DHCP Discover phase started

**Recommended Action**  No action is required.

**Message**  POAP-2-POAP_FAILURE: [chars]

**Explanation**  POAP failure

**Recommended Action**  No action is required.

**Message**  POAP-2-POAP_INFO: [chars]

**Explanation**  POAP Info

**Recommended Action**  No action is required.

**Message**  POAP-2-POAP_INITED: POAP process initialized

**Explanation**  POAP process initialized

**Recommended Action**  No action is required.
Message  POAP-2-POAP_SCRIPT_DOWNLOADED: Successfully downloaded POAP script file
Explanation  Successfully downloaded POAP script file
Recommended Action  No action is required.

Message  POAP-2-POAP_SCRIPT_EXEC_SUCCESS: POAP script execution success
Explanation  POAP script execution success
Recommended Action  No action is required.

Message  POAP-2-POAP_SCRIPT_STARTED_MD5_NOT_VALIDATED: POAP script execution started(MD5 not validated)
Explanation  POAP script execution started(MD5 not validated)
Recommended Action  No action is required.

Message  POAP-2-POAP_SCRIPT_STARTED_MD5_VALIDATED: POAP script execution started(MD5 validated)
Explanation  POAP script execution started(MD5 validated)
Recommended Action  No action is required.

Message  POAP-2-POAP_SCRIPT_STARTED_MD5_VALIDATION_FAIL: POAP boot file validation failed
Explanation  POAP boot file validation failed.
Recommended Action  No action is required.

POAP-5

Message  POAP-5-POAP_DISABLED: POAP Disabled
Explanation  POAP Service Disabled
Recommended Action  No action is required.

Message  POAP-5-POAP_ENABLED: POAP Enabled
Explanation  POAP Service enabled
Recommended Action  No action is required.
PONG Messages

This section contains the PONG messages.

PONG-5

Message PONG-5-PONG_DISABLED: Ping Manager disabled
Explanation Pong Service Enabled
Recommended Action No action is required.

Message PONG-5-PONG_ENABLED: Pong Manager enabled
Explanation Pong Service Enabled
Recommended Action No action is required.

Message PONG-5-PONG_INJECTED: Pong packet injected
Explanation Pong packet injected
Recommended Action No action is required.

PORT-CHANNEL Messages

This section contains the PORT-CHANNEL messages.

PORT-CHANNEL-1

Message PORT-CHANNEL-1-LC_CFG_FAILURE: configuring module [dec] failed [[chars]]
Explanation Module configuration failed
Recommended Action Module will be automatically reset

Message PORT-CHANNEL-1-MALLOC_FAILED: cannot allocate memory (size [dec])
Explanation No enough memory
Recommended Action No action is required.
Message  PORT-CHANNEL-1-MAP_PARAM_FAILURE: mapping parameter failed for [chars] [[chars]]

Explanation  Parameter mapping failed

Recommended Action  Specified service is misbehaving; check its status

Message  PORT-CHANNEL-1-MCAST_SEND_FAILURE: failed to send multicast [chars]: [chars]

Explanation  Failed to send a multicast message to all modules, usually because some module went down

Recommended Action  Run show port-channel consistency to check consistency

PORT-CHANNEL-2

Message  PORT-CHANNEL-2-AUTO_CREATE_DISABLED: [chars] has been deprecated; [chars] [chars]

Explanation  Auto create port-channel is deprecated and disabled

Recommended Action  Convert the auto created channel to persistent by doing port-channel <n

Message  PORT-CHANNEL-2-RESET_MODULE: reset module [dec] for not responding or returning error

Explanation  A module is reset for not responding or returning error

Recommended Action  No action is required.

PORT-CHANNEL-3

Message  PORT-CHANNEL-3-COMPAT_CHECK_FAILURE: [chars] is not compatible

Explanation  Compatibility check failed when adding ports to port-channel

Recommended Action  Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

Message  PORT-CHANNEL-3-GENERAL_ERROR: [chars]

Explanation  General error

Recommended Action  No action is required.
Message PORT-CHANNEL-3-LC_CFG_TIMEOUT_ENTRY_PORT_ERR_DISABLE: Failed to send LC config due to timeout, Port [chars] Err disabled

Explanation Failed to send a lc_config message

Recommended Action No action is required.

Message PORT-CHANNEL-3-LC_CFG_UCAST_FAILED_PORT_ERR_DISABLE: Failed to send LC config unicast msg, PORT [chars] Err disabled

Explanation Failed to send a lc_config unicast message

Recommended Action No action is required.


Explanation Failed to send a lc_config unicast message

Recommended Action No action is required.

Message PORT-CHANNEL-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]

Explanation Failed to send a message

Recommended Action No action is required.

Message PORT-CHANNEL-3-PORT_CHANNEL_NOT_FOUND: [chars] is not found

Explanation Cannot find port-channel in its database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Message PORT-CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars]], state [chars]

Explanation Some operation timed out

Recommended Action Run show port-channel consistency to check all module connectivity and consistency
PORT-CHANNEL-4

Message PORT-CHANNEL-4-PORT_CFP_DELETED: [chars] removed from [chars]

Explanation Port is removed from a port-channel because different module was inserted or module config purged

Recommended Action You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

Message PORT-CHANNEL-4-PORT_INDIVIDUAL: port [chars] is operationally individual

Explanation The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

Recommended Action Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

Message PORT-CHANNEL-4-PORT_NOT_FOUND: port [chars] is not part of port-channel

Explanation Cannot find the port in port-channel database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Message PORT-CHANNEL-4-RACE_WARN: [chars]

Explanation Warning of possible race condition

Recommended Action No action is required.

Message PORT-CHANNEL-4-UNEXPECTED_RESPONSE: unexpected response [chars] from [chars]

Explanation Received an unexpected response and discarded

Recommended Action No action is required.

PORT-CHANNEL-5

Message PORT-CHANNEL-5-AUTO_CREATE_FAILURE: [chars] [chars]

Explanation Auto create process on the port failed

Recommended Action No action is required.
Message PORT-CHANNEL-5-CREATED: [chars] created

Explanation A port-channel is created

Recommended Action No action is required.

Message PORT-CHANNEL-5-DELETED: [chars] deleted

Explanation A port-channel is deleted

Recommended Action No action is required.

Message PORT-CHANNEL-5-FOP_CHANGED: [chars]: first operational port changed from [chars] to [chars]

Explanation The first operational port in a port-channel is changed

Recommended Action No action is required.

Message PORT-CHANNEL-5-MAX_CHANNEL_DISALLOWED: Module failed to come online because port channel interface <port-channel number>

Explanation The port-channel number configured on the switch is larger than 128

Recommended Action Delete the set of port channel interface <port-channel interface>

Message PORT-CHANNEL-5-PORT_ADDED: [chars] added to [chars]

Explanation Ports are added to a port-channel

Recommended Action No action is required.

Message PORT-CHANNEL-5-PORT_DOWN: [chars]: [chars] is down

Explanation Port goes down in a port-channel

Recommended Action No action is required.

Message PORT-CHANNEL-5-PORT_REMOVED: [chars] removed from [chars]

Explanation Ports are removed from a port-channel

Recommended Action No action is required.

Message PORT-CHANNEL-5-PORT_UP: [chars]: [chars] is up

Explanation Port comes up in a port-channel

Recommended Action No action is required.
PORT-CHANNEL-6

Message PORT-CHANNEL-6-RESYNC: resyncing [chars] with all modules
Explanation Resync modules with sup after an error or switchover
Recommended Action No action is required.

PORT-CHANNEL-7

Message PORT-CHANNEL-7-GSYNC_DONE: global synchronization is done
Explanation Port-channel manager finished global synchronization
Recommended Action No action is required.

Message PORT-CHANNEL-7-GSYNC_REQ: requesting global synchronization
Explanation Port-channel manager requested a global synchronization from active sup
Recommended Action No action is required.

Message PORT-CHANNEL-7-START_ACTIVE: started in active mode
Explanation Port-channel manager started in active mode
Recommended Action No action is required.

Message PORT-CHANNEL-7-START_DEFAULT: started with default configuration
Explanation Port-channel manager started with default configuration
Recommended Action No action is required.

Message PORT-CHANNEL-7-START_STANDBY: started in standby mode
Explanation Port-channel manager started in standby mode
Recommended Action No action is required.

Message PORT-CHANNEL-7-START_STATEFUL: started statefully
Explanation Port-channel manager started with running configuration
Recommended Action No action is required.
Message  PORT-CHANNEL-7-START_STATELESS: started statelessly

Explanation  Port-channel manager started with startup configuration

Recommended Action  No action is required.

PORT-PROFILE Messages

This section contains the PORT-PROFILE messages.

PORT-PROFILE-2

Message  PORT-PROFILE-2-IF_REFRESH_FAILED: Interface Database Refresh failed for [chars]

Explanation  Interface Database Refresh failed

Recommended Action  No action is required.

PORT-PROFILE-3


Explanation  SDM process could not allocate heap memory in File: [chars], at line: [dec], for memory-type:[dec] of Size:[dec]

Recommended Action  No action is required.

Message  PORT-PROFILE-3-ASSERTION_FAILED: Failed in File: [chars] Line: [dec]

Explanation  PPM Process assertion failed in File: [chars], at line: [dec]

Recommended Action  No action is required.

Message  PORT-PROFILE-3-CREATE_IF_FAILED: Running-config collection Failed for intf range [chars]

Explanation  Running-config collection failed for: [chars]

Recommended Action  No action is required.

Message  PORT-PROFILE-3-IF_APPLY_FAILED: Config Apply Failed

Explanation  Config Apply Failed

Recommended Action  No action is required.
Message PORT-PROFILE-3-INTERFACE_NO_SHUTDOWN_FAILED: Interface no shutdown failed for [chars] after profile re-inherit

Explanation Interface could not be shutdown after profile re-inherit

Recommended Action No action is required.

Message PORT-PROFILE-3-INTERFACE_SHUTDOWN_FAILED: Interface shutdown failed for [chars] after failure to apply commands

Explanation Interface could not be shutdown after failure to apply commands

Recommended Action No action is required.

Message PORT-PROFILE-3-PROFILE_CREATE_FAILED: Port-profile [chars] creation failed with error "[chars]"

Explanation Port-profile:[chars] creation failed with [:chars]

Recommended Action No action is required.

Message PORT-PROFILE-3-PROFILE_DEINHERIT_FAILED: Port-profile [chars] de-inherit failed with error [chars] on [chars]

Explanation Port-profile:[chars] de-inherit failed with [:chars] on [:chars]

Recommended Action No action is required.

Message PORT-PROFILE-3-PROFILE_DELETE_FAILED: Port-profile [chars] is deletion failed with error "[chars]"

Explanation Port-profile:[chars] deletion failed with [:chars]

Recommended Action No action is required.

Message PORT-PROFILE-3-PROFILE_DISABLE_FAILED: Port-profile [chars] disable failed with error "[chars]"

Explanation Port-profile:[chars] disable failed with [:chars]

Recommended Action No action is required.

Message PORT-PROFILE-3-PROFILE_ENABLE_FAILED: Port-profile [chars] enable failed with error "[chars]"

Explanation Port-profile:[chars] enable failed with [:chars]

Recommended Action No action is required.
PORT-PROFILE-3

Message PORT-PROFILE-3-PROFILE_INHERIT_FAILED: Port-profile [chars] inherit failed with error [chars] on [chars]

Explanation Port-profile:[chars] inherit failed with [:chars] on [:chars]

Recommended Action No action is required.

PORT-PROFILE-6

Message PORT-PROFILE-6-PROFILE_CREATED: Port-profile [chars] is created successfully

Explanation Port-profile:[chars] is created

Recommended Action No action is required.

Message PORT-PROFILE-6-PROFILE_DEINHERITED: Port-profile [chars] is de-inherited successfully on [chars]

Explanation Port-profile:[chars] is de-inherited on [:chars]

Recommended Action No action is required.

Message PORT-PROFILE-6-PROFILE_DELETED: Port-profile [chars] is deleted successfully

Explanation Port-profile:[chars] is deleted

Recommended Action No action is required.

Message PORT-PROFILE-6-PROFILE_DISABLED: Port-profile [chars] is disabled successfully

Explanation Port-profile:[chars] is disabled

Recommended Action No action is required.

Message PORT-PROFILE-6-PROFILE_ENABLED: Port-profile [chars] is enabled successfully

Explanation Port-profile:[chars] is enabled

Recommended Action No action is required.
**Message**  PORT-PROFILE-6-PROFILE_INHERITED: Port-profile [chars] is inherited successfully on [chars]

**Explanation**  Port-profile:[chars] is inherited on [:chars]

**Recommended Action**  No action is required.

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**PORT-RESOURCES Messages**

This section contains the PORT-RESOURCES messages.

**PORT-RESOURCES-3**

**Message**  PORT-RESOURCES-3-PRM_MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation**  Failed to send a message

**Recommended Action**  No action is required.

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**PORT-RESOURCES-5**

**Message**  PORT-RESOURCES-5-INVALID_PORT_ACTIV_PKG_LICENSE_FILE_INSTALLED: Invalid on demand port activation license file is installed for module [dec] (number of port licenses = [dec])

**Explanation**  Interfaces may not acquire port activation license during installation

**Recommended Action**  Install a valid port activation license file

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**PORT-SECURITY Messages**

This section contains the PORT-SECURITY messages.

**PORT-SECURITY-2**

**Message**  PORT-SECURITY-2-ALLOC_FAILED: Memory allocation failed for size:[dec] for [chars]

**Explanation**  Memory allocation failed for size [dec] for [chars]

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
PORT-SECURITY-2-FEATURE_DISABLED: Feature [chars] disabled due to [chars]

Explanation  Feature [chars] is unavailable and will be disabled now

Recommended Action  Please install the correct license and reenable

PORT-SECURITY-3

Message  PORT-SECURITY-3-BINDING_CONFLICT: [chars]

Explanation  An already logged in device is in conflict with the PSM active binding configurations. [chars] indicates the WWN of the login entity, interface

Recommended Action  For port-security, the auto-learn feature can be used with activation to prevent this. This violating device or switch will be logged out

Message  PORT-SECURITY-3-BINDING_VIOLATION: [chars]

Explanation  A login happened that violates PSM binding configurations [chars] indicates the WWN of the login entity

Recommended Action  Only entries in the activated database of PSM can login. Change the config and activate it again

Message  PORT-SECURITY-3-CFS_NOTIF_ERR: [chars]

Explanation  An error occurred during the processing of a CFS notification. [chars] indicates the actual cause for the error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  PORT-SECURITY-3-DB_ERR: [chars]

Explanation  An error occurred during an PSM database operation. [chars] indicates the reason for the error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  PORT-SECURITY-3-EFMD_FC2_OPER_FAILED: [chars]

Explanation  EFMD fc2 operation failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message PORT-SECURITY-3-EFMD_INIT_FAILED: [chars]

Explanation EFMD initiate failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message PORT-SECURITY-3-EFMD_MERGE_UNKNOWN_FORMAT: [chars]

Explanation Received a corrupted EFMD Request Packet

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message PORT-SECURITY-3-INIT_FAIL: [chars]

Explanation An error happened during PSM Initialization. [chars] indicates the reason for failure

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message PORT-SECURITY-3-LEARNT_BINDING_CONFLICT: [chars]

Explanation An already logged in device that is learnt during activation is in conflict with the PSM active binding configurations. [chars] indicates the WWN of the login entity, interface

Recommended Action Copy the active-db to config-db and reactivate. Not doing so could result in unexpected login rejects later on that interface.

Message PORT-SECURITY-3-MTS_ERR: [chars]

Explanation An error occurred in processing of an MTS message. [chars] indicates the error that occurred

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message PORT-SECURITY-3-PSS_ERR: [chars]

Explanation An error occurred during an PSM PSS operation. [chars] indicates the PSS operation that caused the error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
PORT-SECURITY-3

Message PORT-SECURITY-3-PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

Explanation There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

PORT-SECURITY-4

Message PORT-SECURITY-4-ACTIVATION_FAIL: [chars]

Explanation Activation of bindings failed due to [chars]

Recommended Action Correct the error and reactivate it again

PORT-SECURITY-6

Message PORT-SECURITY-6-INFO: [chars]

Explanation An event happened that affects PSM. [chars] indicates the event

Recommended Action No action is required.

PORT Messages

This section contains the PORT messages.

PORT-2

Message PORT-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled) [chars] [chars]

Explanation The interface encountered an error while configuring it. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Collect more information about failed interface using command ‘show port internal all interface [char]’. In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface or removing and re-inserting the fibre optic cable
Message PORT-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down

PORT-3

Message PORT-3-IF_SFP_ALARM: Interface [chars], [chars] [chars] [chars]

Explanation There was an alarm on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please do show interface transceiver details to obtain more information

Message PORT-3-IF_TRANSCEIVER_READ_ERROR: Transceiver read error for interface [chars] [chars] [chars]

Explanation Transceiver error read failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Remove and insert the SFP back again. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

Message PORT-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver for interface [chars] is not supported

Explanation Transceiver is not from an authorized vendor

Recommended Action This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of authorized transceiver vendors

PORT-4

Message PORT-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

Explanation The transceiver for the interface specified has not been qualified on this platform for this software release

Recommended Action Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details
Message PORT-4-IF_SFP_CLK_RATE_ERROR: SFP clock rate error for interface [chars] [chars] [chars]

Explanation SFP clock rate mismatch/failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Remove the SFP and insert a new one with a different frequency type. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

Message PORT-4-IF_SFP_WARNING: Interface [chars], [chars] [chars] [chars]

Explanation There was a warning on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please do show interface transceiver details to obtain more information

Message PORT-4-IF_TRUSTSEC_VIOLATION: Interface [chars] encountered port security violation [chars] [chars]

Explanation The port has detected port security violation. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check port security configuration on interface

PORT-5

Message PORT-5-EPP_DISABLED: Interface [chars] (EPP disabled in the [chars] switch) [chars]

Explanation Trunk protocol, EPP is disabled in the local/peer switch

Recommended Action Perform the following commands on the local/peer switch to enable EPP: config terminal, 'trunk protocol enable"

Message PORT-5-EC_DISABLED_AS_LICENSE_NOT_PRESENT: Extended credit feature has been disabled as Enterprise Package license could not be checked out

Explanation The Enterprise Package license is not available, so the extended credit feature has been disabled even though it was present in startup config

Recommended Action Install the Enterprise Package license and re-enable the extended credit feature
Message PORT-5-IF_FEC_NEGOTIATION_FAILURE: FEC negotiation failed for interface %s

Explanation The Forward Correction Error (FEC) is not enabled on this link because the FEC may not have been configured at the peer.

Recommended Action Check the FEC configuration on both sides of the link.

Message PORT-5-IF_BRINGUP_ALLOWED_FCOT_CHECKSUM_ERR: Interface [chars] is allowed to come up even with SFP checksum error [chars] [chars]

Explanation SFP checksum on this interface failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Try to replace the SFP on this interface

Message PORT-5-IF_BRINGUP_FAILED_ALL_ZERO_PEER_WWN_RCVD: Interface [chars], is not allowed to come up (received as all zeros wwn from peer [chars] [chars]

Explanation Check peer interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_BRINGUP_NOT_ALLOWED_PORT_CONFIG_FAILURE: Interface [chars] is not allowed to be operational due to port config failure for reason: [chars] ([hex]) [chars] [chars]

Explanation Check interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Try to change the configuration on the interface with the current available hardware capability

Message PORT-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down) [chars] [chars]

Explanation Interface has been configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Perform the following commands to bring up the interface: config terminal', 'interface [char]', 'no shutdown"
Message  PORT-5-IF_DOWN_BIT_ERR_RT_THRES_EXCEEDED: Interface [chars] is down (Error disabled - bit error rate too high) [chars] [chars]

Explanation  The port has detected too high bit error rate in frames received from attached device. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Check the attached device; replace it if needed

Message  PORT-5-IF_DOWN_BUNDLE_MISC_CFG: Interface [chars] is down (Isolation due to channel mis-configuration on local or remote switch) [chars] [chars]

Explanation  One port across a link is part of a PortChannel while the other is not. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  While adding or deleting a member port from a PortChannel, both ports across the link should be added/deleted. No operation should be performed on either ports until they are both added/deleted.

Message  PORT-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down (Config change) [chars] [chars]

Explanation  FCIP interface temporarily down due to reconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message  PORT-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down) [chars] [chars]

Explanation  This interface belongs to a PortChannel and the PortChannel is configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Perform the following commands on the PortChannel interface to which it belongs to bring the interface up: 'config terminal', 'interface [char]', 'shutdown', 'noshutdown''

Message  PORT-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress) [chars] [chars]

Explanation  The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Retry the configuration again
Message  PORT-5-IF_DOWN_DENIED_DUE_TO_PORT_BINDING: Interface [chars] is down (Suspended due to port binding) [chars] [chars]

Explanation  The F port is suspended due to being denied by port binding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Please check the port binding database to allow the host port to log in.

Message  PORT-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure) [chars] [chars]

Explanation  Isolated due to a failure while assigning a domain. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message  PORT-5-IF_DOWN_DOMAIN_ID_MISMATCH_ISOLATION: Interface [chars] is isolated (configured fcdomain ID is different from runtime config) [chars] [chars]

Explanation  The runtime fcdomain ID does not equal the static configured fcdomain ID. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Ensure that the fcdomain ID configuration matches the runtime config.

Message  PORT-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration) [chars] [chars]

Explanation  Invalid RCF received. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message  PORT-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled) [chars] [chars]

Explanation  Isolated due to domain manager being disabled. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.
Message PORT-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding) [chars] [chars]

Explanation Remote end domain manager not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message PORT-5-IF_DOWN_DOMAIN_NOT_ALLOWED_ISOLATION: Interface [chars] is isolated (domain not allowed) [chars] [chars]

Explanation There are not enough allowed domains to merge the VSANs across the link. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Ensure that all assigned domain ids are in the configured allowed domains on both sides of the link.

Message PORT-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated) [chars] [chars]

Explanation Isolating this interface due to the remote end being isolated. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message PORT-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap) [chars] [chars]

Explanation Isolated due to domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message PORT-5-IF_DOWN_DPVM_VSAN_NOT_FOUND: Interface [chars] is down (dynamic vsan not present) [chars] [chars]

Explanation The specified dynamic vsan is not configured on this switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Configure the dynamic vsan.
<table>
<thead>
<tr>
<th>Message</th>
<th>PORT-5-IF_DOWN_DPVM_VSAN_SUSPENDED: Interface [chars] is down (dynamic vsan in suspended state) [chars] [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation</td>
<td>The specified dynamic vsan is in suspended state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]</td>
</tr>
<tr>
<td>Recommended Action</td>
<td>Un-suspend the dynamic vsan.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Message</th>
<th>PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_CLASSF_PARAM_ERR: Interface [chars] is down (Isolation due to ELP failure: class F param error) [chars] [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation</td>
<td>ELP failed on the interface due to class F param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]</td>
</tr>
<tr>
<td>Recommended Action</td>
<td>Configure the attached switchport correctly and try again</td>
</tr>
</tbody>
</table>

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<tr>
<th>Message</th>
<th>PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_CLASSN_PARAM_ERR: Interface [chars] is down (Isolation due to ELP failure: class N param error) [chars] [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation</td>
<td>ELP failed on the interface due to class N param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]</td>
</tr>
<tr>
<td>Recommended Action</td>
<td>Configure the attached switchport correctly and try again</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Message</th>
<th>PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_PAYLOAD_SIZE: Interface [chars] is down (Isolation due to ELP failure: invalid payload size)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation</td>
<td>ELP failed on the interface due to invalid payload size</td>
</tr>
<tr>
<td>Recommended Action</td>
<td>Configure the attached switchport correctly and try again</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Message</th>
<th>PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_PORT_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid port name) [chars] [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation</td>
<td>ELP failed on the interface due to invalid port name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]</td>
</tr>
<tr>
<td>Recommended Action</td>
<td>Configure the attached switchport correctly and try again</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Message</th>
<th>PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_SWITCH_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid switch name) [chars] [chars]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation</td>
<td>ELP failed on the interface due to invalid switch name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]</td>
</tr>
<tr>
<td>Recommended Action</td>
<td>Configure the attached switchport correctly and try again</td>
</tr>
</tbody>
</table>
Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_TX_BBCREDIT: Interface [chars] is down (Isolation due to ELP failure: loopback detected) [chars] [chars]

Explanation ELP failed on the interface due to loopback connection detected. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Connect to a port on another switch and try again

Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_LOOPBACK_DETECTED: Interface [chars] is down (Isolation due to ELP failure: invalid transmit B2B credit) [chars] [chars]

Explanation ELP failed on the interface due to invalid transmit B2B credit. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_RATOV_EDTOV_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: R_A_TOV or E_D_TOV mismatch) [chars] [chars]

Explanation ELP failed on the interface due to R_A_TOV or E_D_TOV mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure R_A_TOV and E_D_TOV values correctly and try again

Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_REVISION_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: revision mismatch) [chars] [chars]

Explanation ELP failed on the interface due to revision mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_UNKNOWN_FLOW_CTL_CODE: Interface [chars] is down (Isolation due to ELP failure: invalid flow control code) [chars] [chars]

Explanation ELP failed on the interface due to invalid flow control code. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again
Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_UNKNOWN_FLOW_CTL_PARAM: Interface [chars] is down (Isolation due to ELP failure: invalid flow control param) [chars] [chars]

Explanation ELP failed on the interface due to invalid flow control param. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure) [chars] [chars]

Explanation ELP failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the output of 'show port internal info' in the ELP failure reason field

Message PORT-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure) [chars] [chars]

Explanation Trunk protocol failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action 'show port internal even history msgs' will indicate the trunk protocol exchanges to determine why it failed.

Message PORT-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure) [chars] [chars]

Explanation ESC failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed.

Message PORT-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down (Tunnel port src interface down) [chars] [chars]

Explanation Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the ethernet cable is connected, the interface is administratively enabled
**Message** PORT-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down (Tunnel port src interface link down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** PORT-5-IF_DOWN_FABRIC_BIND_FAILURE: Interface [chars] is down (Isolation due to fabric bind failure) [chars] [chars]

**Explanation** Fabric binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the fabric binding database to ensure that the remote port is allowed to connect to this port

**Message** PORT-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Message** PORT-5-IF_DOWN_FCOT_REMOVED: Interface [chars] is down (FCOT has been removed) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Message** PORT-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - FCOT vendor not supported) [chars] [chars]

**Explanation** FCOT inserted is not a supported one. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors
Message   PORT-5-IF_DOWN_FCSP_AUTHENT_FAILURE: Interface [chars] is down (FC-SP authentication failure) [chars] [chars]

Explanation   The port failed FC-SP authentication with its peer. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action   Please check the FC-SP configuration.

Message   PORT-5-IF_DOWN_FICON_BEING_ENABLED: Interface [chars] is down (FICON being enabled) [chars] [chars]

Explanation   FICON is being enabled on the port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action   Please wait. This might take a while

Message   PORT-5-IF_DOWN_FICON_NOT_ENABLED: Interface [chars] is down (Error disabled - FICON not enabled) [chars] [chars]

Explanation   FICON not enabled on port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action   Please enable FICON on port

Message   PORT-5-IF_DOWN_FICON_VSAN_DOWN: Interface [chars] is down (FICON vsan down) [chars] [chars]

Explanation   FICON is being enabled on the port VSAN of this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action   This is an intermediary state, whereby the port VSAN of the port is being enabled to be a FICON VSAN.

Message   PORT-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure) [chars] [chars]

Explanation   The modules hardware has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action   Collect more information about failed module using command 'show module internal all module'
**Message**  PORT-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive) [chars] [chars]

**Explanation**  The port VSAN has been suspended or deleted. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action**  Assign a new active port VSAN to the interface

**Message**  PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode) [chars] [chars]

**Explanation**  The configured mode is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action**  Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message**  PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit) [chars] [chars]

**Explanation**  The configured receive B2B credit size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action**  Get the allowed receive B2B credit size from show port internal info

**Message**  PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize) [chars] [chars]

**Explanation**  The configured receive buffer size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action**  Get the allowed receive buffer size from 'show port internal info'

**Message**  PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed) [chars] [chars]

**Explanation**  The configured speed is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action**  Perform a 'show port internal info' to determine the range of speed supported on this interface
Message  PORT-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing) [chars] [chars]  

Explanation  The interface is in the process of coming up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message  PORT-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed) [chars] [chars]  

Explanation  Interface removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message  PORT-5-IF_DOWN_INVALID_ATTACHMENT: Interface [chars] is down (Invalid attachment) [chars] [chars]  

Explanation  The peer port does not have the compatible security attributes. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Please ensure that the peer port has compatible security attributes as the local port.

Message  PORT-5-IF_DOWN_INVALID_CONFIG: Interface [chars] is down (Error disabled - Possible PortChannel misconfiguration) [chars] [chars]  

Explanation  The local and peer port have a PortChannel membership misconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Ensure that both the local and peer ports are either both members of the same PortChannel or are not both part of PortChannel

Message  PORT-5-IF_DOWN_INVALID_FABRIC_BINDING: Interface [chars] is down (Invalid fabric binding exchange) [chars] [chars]  

Explanation  Fabric binding failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Please check fabric binding database
Message PORT-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure [chars]) [chars] [chars]

Explanation The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Message PORT-5-IF_DOWN_LOCALLY_DISRUPTIVE_RECONFIGURATION: Interface [chars] is down (fcdomain applied a locally disruptive reconfiguration) [chars] [chars]

Explanation Fcdomain applied a locally disruptive reconfiguration (local domain became invalid. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure) [chars] [chars]

Explanation Diag failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Collect more information about failed interface using command 'attach module' to connect to module

Message PORT-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch) [chars] [chars]

Explanation The interface is looped back to another interface on the same switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the connectivity of this interface and ensure that it is connected to another switch

Message PORT-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed) [chars] [chars]

Explanation Interface is down because the module was removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.
Message  PORT-5-IF_DOWN_NONE: Interface [chars] is down (None) [chars] [chars]

Explanation  There is no apparent reason the interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Collect more information about port using command show port internal all interface [char]' to determine why it went down

Message  PORT-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating) [chars] [chars]

Explanation  The loop port has been put into non participating mode. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.

Message  PORT-5-IF_DOWN_NOS_RCVD: Interface [chars] is down (NOS received) [chars] [chars]

Explanation  The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Ensure that the cable is connected and the remote end is not shut down

Message  PORT-5-IF_DOWN_NO_TRUNK_OPER_VSANS_ISOLATION: Interface [chars] is down(Isolation due to no common vsans with peer on trunk) [chars] [chars]

Explanation  The trunk port is isolated as there are no common VSANs to be brought up with the peer port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Please check that there are common VSANs configured and allowed to come up between the ports.

Message  PORT-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline) [chars] [chars]

Explanation  The interface has been placed into the offline state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  No action is required.
Message PORT-5-IF_DOWN_OHMS_EXTERNAL_LB_TEST: Interface [chars] is down (Loopback test) [chars] [chars]

Explanation Loopback tests. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please wait. This might take a while

Message PORT-5-IF_DOWN_OLS_RCVD: Interface [chars] is down (OLS received) [chars] [chars]

Explanation The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Message PORT-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down) [chars] [chars]

Explanation Parent interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down(TCP conn. closed by peer) [chars] [chars]

Explanation The FCIP peer connected to this interface closed the TCP connection. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

Message PORT-5-IF_DOWN_PEER_RESET: Interface [chars] is down(TCP conn. reset by peer) [chars] [chars]

Explanation TCP connection to the FCIP peer got reset. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection
Message PORT-5-IF_DOWN_PORT_ACT_LICENSE_NOT_AVAILABLE: Interface [chars] is not allowed to come up (port activation license not available [chars] [chars])

Explanation Assign a port activation license to this port or install additional port activation licenses as needed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_PORT_BIND_FAILURE: Interface [chars] is down (Isolation due to port bind failure) [chars] [chars]

Explanation Port binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the port binding database to ensure that the remote port is allowed to connect to this port

Message PORT-5-IF_DOWN_PORT_BLOCKED: Interface [chars] is down (Port blocked due to FICON) [chars] [chars]

Explanation The port has been blocked by FICON configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please unblock the port in FICON configuration.

Message PORT-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members) [chars] [chars]

Explanation This is a PortChannel interface and all its members are operationally down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Enable at least one of the PortChannel members'

Message PORT-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port VSAN mismatch) [chars] [chars]

Explanation Isolated due to a mismatch in the configured port VSAN of the local and remote ends. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'no shutdown'.
Message PORT-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress) [chars] [chars]

Explanation There is an RCF in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure) [chars] [chars]

Explanation The software servicing the data path on the port has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down (Tunnel source module not online) [chars] [chars]

Explanation Module that has the tunnel source port of this FCIP interface is not fully online. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The module that has the tunnel src port is coming online. Please use show mod to find module status.

Message PORT-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound) [chars] [chars]

Explanation Tunnel port source interface unbound. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down (Tunnel src port removed) [chars] [chars]

Explanation Tunnel source port of this FCIP interface has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed.
Message  PORT-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode) [chars] [chars]

Explanation  This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  PORT-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed) [chars] [chars]

Explanation  This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  PORT-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN) [chars] [chars]

Explanation  This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

Message  PORT-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended) [chars] [chars]

Explanation  This interface belongs to a PortChannel and has been suspended to an error while bringing it up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action  In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface. If this happens again obtain output of 'show port internal all interface [char]' on the interface
**Message** PORT-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down (TCP conn. closed - Keep alive expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down (TCP conn. closed - retransmit failure) [chars] [chars]

**Explanation** Interface is down due to maximum retransmission failure. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down (TCP conn. closed - Persist timer expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF_DOWN_TOO_MANY_INTR: Interface [chars] is down (Error disabled - too many interrupts) [chars] [chars]

**Explanation** The port has received too many interrupts in the hardware. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed
Message PORT-5-IF_DOWN_TOO_MANY_INVALID_FLOGIS: Interface [chars] is down (Suspended due to too many invalid flogis [chars] [chars]

Explanation The port is suspended due to receiving a large number of invalid FLOGIs. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the HBA and perform a shut, followed by no shut on the port.

Message PORT-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress) [chars] [chars]

Explanation Upgrade of the linecard software is in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_VIRTUAL_IVR_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to virtual IVR domain overlap) [chars] [chars]

Explanation Isolated due to virtual IVR domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch) [chars] [chars]

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the VSANs configured on the local end with the remote end.

Message PORT-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure) [chars] [chars]

Explanation Isolated due to a failure during zone merge. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.
**Message** PORT-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding) [chars] [chars]

**Explanation** Isolated due to remote zone server not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF_PORT_GUARD_DOWN: Interface [chars] is down ([chars]) [chars]

**Explanation** The interface is down due to port guard configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a shut followed by no shut to bring up the interface

**Message** PORT-5-IF_PORTQUIESCE_FAILED: Interface [chars] port quiesce failed due to failure reason: [chars] ([hex])

**Explanation** There may be few packet drops due to this failure

**Recommended Action** No action is required.

**Message** PORT-5-IF_PSS_DUPLICATE_KEY: Duplicate key found for Interface [chars]

**Explanation** Duplicate pss key detected

**Recommended Action** No action is required.

**Message** PORT-5-IF_TRUNK_DOWN: Interface [chars], vsan [chars] is down ([chars]) [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is down with reason in (). [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface VSAN

**Message** PORT-5-IF_TRUNK_UP: Interface [chars], vsan [chars] is up [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.
Message PORT-5-IF_UP: Interface [chars] is up [chars] [chars] [chars]

Explanation Interface is up in mode specified, if applicable. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Message PORT-5-MODULE_BRINGUP_NOT_ALLOWED: Not allowing module [dec] to come up for reason: [chars] ([hex])

Explanation Module is not allowed to be operational due to the current system state

Recommended Action Use command show module <x>

Message PORT-5-MODULE_INDEX_RESTORE_ERROR: Error in restoring indices for module [dec]: reason [chars] ([hex])

Explanation Restore of module index may fail due to overlap of indices

Recommended Action No action is required.

Message PORT-5-MODULE_UNLIMITED_OSM_SEQ_FAILED: Enable/Disable of unlimited over subscription failed for module [dec]

Explanation Interfaces of the module may be in indeterminate state

Recommended Action Reload the module

PREFPATH Messages

This section contains the PREFPATH messages.

PREFPATH-1

Message PREFPATH-1-LC_CFG_FAILURE: configuring module [dec] failed [[chars]]

Explanation Module configuration failed

Recommended Action No action is required.

Message PREFPATH-1-MCAST_SEND_FAILURE: failed to send multicast [chars]: [chars]

Explanation Failed to send a multicast message to all modules, usually because some module went down

Recommended Action No action is required.
PREFPATH-2

Message  PREFPATH-2-INITFAIL: Preferred Path Initialization failed: [chars]

Explanation  Preferred Path initialization failed. [chars] explains the reason for the failure.

Recommended Action  No action is required.

Message  PREFPATH-2-IPC_PROCESSING_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

Explanation  Preferred Path component encountered an error in processing an MTS message. The error and message are specified in the Message

Recommended Action  No action is required.

Message  PREFPATH-2-PREFPATH_INIT: Preferred Path initialization of [chars]

Explanation  Preferred Path initialization failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

PREFPATH-3


Explanation  The Preferred Path has failed to program or erase Preferred Path related ACL. The error code returned by ACL module is [int.].

Recommended Action  No action is required.

Message  PREFPATH-3-DBERROR: [chars]

Explanation  Preferred Path encountered a database error. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

Message  PREFPATH-3-FAILURE_RESPONSE: [chars] [dec]

Explanation  Preferred Path failed to get response [chars] [int.] specify the context where the failure occurred.

Recommended Action  No action is required.
**Message**  PREFPATH-3-GENERAL_ERROR: General Error: [chars]

**Explanation**  General error

**Recommended Action**  No action is required.

**Message**  PREFPATH-3-MTSERROR: [chars]

**Explanation**  Preferred Path encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action**  No action is required.


**Explanation**  The Preferred Path has failed to activate route. The reason is [str.].

**Recommended Action**  No action is required.

**Message**  PREFPATH-3-PSSERROR: [chars]

**Explanation**  Preferred Path encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action**  No action is required.

**Message**  PREFPATH-3-RIB_ERR: Error in RIB: [chars]

**Explanation**  Failed to interact with RIB for static route update, error description in [chars].

**Recommended Action**  No action is required.

**Message**  PREFPATH-3-TIMEOUT_ERROR: [chars] [dec]

**Explanation**  Preferred Path encountered a timeout [chars] [int.] specify the context where the failure occurred.

**Recommended Action**  No action is required.

**PREFPATH-4**

**Message**  PREFPATH-4-UNEXPECTED_RESPONSE: unexpected response [chars] from [chars]

**Explanation**  Received an unexpected response and discarded

**Recommended Action**  No action is required.
### PREFPATH-6

**Message**  

**Explanation**  
The Preferred Path has successfully programmed or erased Preferred Path related ACL.

**Recommended Action**  
No action is required.

**Message**  
PREFPATH-6-SERVICE_UP: Initialized [chars]

**Explanation**  
Preferred Path Service Up

**Recommended Action**  
No action is required.

**Message**  
PREFPATH-6-STATE_CREATED: Internal state created [chars]

**Explanation**  
Preferred Path has created its internal state stateless/stateful [chars].

**Recommended Action**  
No action is required.

### PRIVATE_VLAN Messages

This section contains the PRIVATE_VLAN messages.

### PRIVATE_VLAN-2

**Message**  
PRIVATE_VLAN-2-PVLAN_ASSOC_DOWN_FAILED: Failed to bring down the association between [dec] & [dec]

**Explanation**  
Association bring down failed

**Recommended Action**  
No action is required.

**Message**  
PRIVATE_VLAN-2-PVLAN_ASSOC_UP_FAILED: Failed to bring up the association between [dec] & [dec]

**Explanation**  
Association bringup failed

**Recommended Action**  
No action is required.
Message  PRIVATE_VLAN-2-PVLAN_ELTM_MTS_SEND_FAILED: MTS send failed while communicating with ELTM.

Explanation  ELTM MTS send failed

Recommended Action  No action is required.

Message  PRIVATE_VLAN-2-PVLAN_ELTM_TIMED_OUT: ELTM timed out while configuring hardware.

Explanation  ELTM timed out

Recommended Action  No action is required.

Message  PRIVATE_VLAN-2-PVLAN_ETHPM_TIMED_OUT: ETHPM timed out while configuring/unconfiguring hardware

Explanation  ETHPM timed out

Recommended Action  No action is required.

Message  PRIVATE_VLAN-2-PVLAN_HW_ERROR: Error [hex] occurred for ifindex [hex] while programming hardware: [chars]

Explanation  Hardware Configuration Error

Recommended Action  No action is required.

Message  PRIVATE_VLAN-2-PVLAN_PIXM_MTS_SEND_FAILED: MTS send failed while communicating with PIXM

Explanation  PIXM MTS send failed

Recommended Action  No action is required.

Message  PRIVATE_VLAN-2-PVLAN_PIXM_TIMED_OUT: PIXM timed out while configuring hardware.

Explanation  PIXM timed out

Recommended Action  No action is required.
PRIVATE_VLAN-3

Message  PRIVATE_VLAN-3-PVLAN_ASSOC_SDB_UPDATE_FAILED: Failed to update SDB while [chars] association for vlan [dec]

Explanation  SDB Update failed

Recommended Action  No action is required.

Message  PRIVATE_VLAN-3-PVLAN_IN_USE: PVLAN [dec] in use by interface [chars], please do "no switchport access vlan" or "no switchport private-vlan host-association"

Explanation  PVLAN in use

Recommended Action  No action is required.

Message  PRIVATE_VLAN-3-PVLAN_VLANMGR_FAILURE: Cannot restore association operational state. Failed to communicate with VLAN manager

Explanation  Restoring association operational status failed

Recommended Action  No action is required.

PRIVATE_VLAN-5

Message  PRIVATE_VLAN-5-PVLAN_DISABLED: PVLAN Disabled

Explanation  PVLAN Service Disabled

Recommended Action  No action is required.

Message  PRIVATE_VLAN-5-PVLAN_DISABLE_FAILED: Disabling of private-vlan failed. Either shutdown these ports or remove them from private-vlan mode: [chars]

Explanation  Disabling of private-vlan failed

Recommended Action  No action is required.

Message  PRIVATE_VLAN-5-PVLAN_ENABLED: PVLAN Enabled

Explanation  PVLAN Service Enabled

Recommended Action  No action is required.
PROC_MGR Messages

This section contains the PROC_MGR messages.

PROC_MGR-SLOT#-2

Message  PROC_MGR-SLOT#-2-ERR_MSG: [chars]

Explanation  Process manager error.

Recommended Action  No action is required.

Message  PROC_MGR-SLOT#-2-MESG: [chars]

Explanation  Process manager information.

Recommended Action  Process manager information.

Message  PROC_MGR-SLOT#-2-PROC_MGR_APP_CRIT_ERROR: ERROR: Critical error determined for app ([chars]) status=[dec] signal=[dec]

Explanation  Application caused critical error.

Recommended Action  Restart the linecard.

Message  PROC_MGR-SLOT#-2-PROC_MGR_APP_EXITED: ERROR: Application ([chars]) exited with status=[dec] signal=[dec]

Explanation  Application exited.

Recommended Action  Check the application.

Message  PROC_MGR-SLOT#-2-PROC_MGR_COMP_CATASTROPHIC_ERROR: ERROR: Component ([chars]) caused critical error and linecard will be rebooted

Explanation  Component caused critical error.

Recommended Action  Restart the linecard.

Message  PROC_MGR-SLOT#-2-PROC_MGR_COMP_CRIT_ERROR: ERROR: Critical error determined for component ([chars]) errno=[dec]

Explanation  Critical error for component.

Recommended Action  Restart the linecard.
**Message**  PROC_MGR-SLOT#-2-PROC_MGR_COMP_DEP_FAIL: ERROR: Dependency failure - Component ([chars]) depends on ([chars])

**Explanation**  Component dependency failure.

**Recommended Action**  Check whether the component exists.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_COMP_NOT_INSTALLED: ERROR: Component ([chars]) could not be installed errno=[dec]

**Explanation**  Component not installed.

**Recommended Action**  Check whether the component exists.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_COMP_TIMEOUT: ERROR: Component ([chars]) did not exit and time out occurred

**Explanation**  Component initialization timed out.

**Recommended Action**  Check the component.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_MTS_CORE_CLIENT_FAIL: ERROR: MTS message to core_client FAILED errno=[dec]

**Explanation**  Message to core client failed.

**Recommended Action**  Restart the linecard.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR.Quit: Process manager quitting because: [chars]

**Explanation**  Process manager quitting.

**Recommended Action**  No action is required.


**Explanation**  Removed KLM/Script.

**Recommended Action**  No action is required.


**Explanation**  Process stopped.

**Recommended Action**  No action is required.
**Message**  PROC_MGR-SLOT#-2-PROC_MGR_TERM_TIME: * Termination took [dec] sec [dec] usec *

**Explanation**  Process manager termination time.

**Recommended Action**  No action is required.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_UT_PEEK_FAIL: ERROR: Unable to peek on utaker queue

**Explanation**  Peek at utaker queue failed.

**Recommended Action**  Restart the linecard.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_UT_SEM_ALLOC_FAIL: ERROR:Failed to allocate utaker semaphore: [dec]

**Explanation**  Utaker semaphore allocation failed.

**Recommended Action**  Restart the linecard.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_UT_SEM_GET_FAIL: ERROR:[chars] [dec]: Failed to get utaker semaphore: [dec]

**Explanation**  Utaker semaphore get failed.

**Recommended Action**  Restart the linecard.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_UT_SEM_GIVE_FAIL: ERROR:[chars] [dec]: Failed to give utaker semaphore: [dec]

**Explanation**  Utaker semaphore give failed.

**Recommended Action**  Restart the linecard.

**Message**  PROC_MGR-SLOT#-2-PROC_MGR_UT_SEM_TAKE_FAIL: ERROR:[chars] [dec]: Failed to take utaker semaphore: [dec]

**Explanation**  Utaker semaphore take failed.

**Recommended Action**  Restart the linecard.

**PROC_MGR-SLOT#-3**

**Message**  PROC_MGR-SLOT#-3-PROC_MGR_ERROR_MSG: [chars]

**Explanation**  Process manager Message

**Recommended Action**  No action is required.
PROC_MGR-SLOT#-4

**Message** PROC_MGR-SLOT#-4-PROC_MGR_APP_NOT_RESP: ERROR: Process ([chars]) is not responding, it will be terminated

**Explanation** Application not sending heartbeat.

**Recommended Action** Check the application.

PROC_MGR-SLOT#-6

**Message** PROC_MGR-SLOT#-6-PROC_MGR_INFO_MSG: [chars]

**Explanation** Process manager info message

**Recommended Action** No action is required.

**PROFILER Messages**

This section contains the PROFILER messages.

PROFILER-0

**Message** PROFILER-0-EMERGENCY_MSG: [chars]

**Explanation** Profiler Emergency Message

**Recommended Action** Please file the bug for Profiler Library Component through CDETS

PROFILER-1

**Message** PROFILER-1-ALERT_MSG: [chars]

**Explanation** Profiler Alert Message

**Recommended Action** Profiler Internal Operation Alert

PROFILER-2

**Message** PROFILER-2-CRITICAL_MSG: [chars]

**Explanation** Profiler Critical Message

**Recommended Action** No action is required.
**PROFILER-3**

**Message**  
PROFILER-3-ERROR_MSG: [chars]

**Explanation**  
Profiler Message

**Recommended Action**  
No action is required.

**PROFILER-4**

**Message**  
PROFILER-4-WARN_MSG: [chars]

**Explanation**  
Profiler Warning Message

**Recommended Action**  
No action is required.

**PROFILER-5**

**Message**  
PROFILER-5-NOTIF_MSG: [chars]

**Explanation**  
Profiler Notification Message

**Recommended Action**  
No action is required.

**PROFILER-6**

**Message**  
PROFILER-6-INFO_MSG: [chars]

**Explanation**  
Profiler Informational Message

**Recommended Action**  
No action is required.

**PROFILER-7**

**Message**  
PROFILER-7-DEBUG_MSG: [chars]

**Explanation**  
Profiler Debug Message

**Recommended Action**  
No action is required.
PSS Messages

This section contains the PSS messages.

PSS-0

Message  PSS-0-PSS_NO_MORE_PAGES: [chars]: needs more working pages

Explanation  Service needs more working page buffers

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  PSS-0-PSS_READ_DATA_FAILURE: [chars]: failed to read data to [chars] block [dec]: [chars]

Explanation  PSS cannot read data

Recommended Action  No action is required.

Message  PSS-0-PSS_SYNC_DATA_FAILURE: [chars]: failed to sync data to [chars]: [chars]

Explanation  PSS cannot sync data due to filesystem or disk error

Recommended Action  No action is required.

Message  PSS-0-PSS_SYNC_LOG_FAILURE: [chars]: failed to sync log: [chars]

Explanation  PSS cannot sync log due to filesystem or disk error

Recommended Action  No action is required.

Message  PSS-0-PSS_UNKNOWN_LOG: [chars]: unknown log type [hex] at offset [dec]

Explanation  Unknown logging entry found

Recommended Action  No action is required.

Message  PSS-0-PSS_WRITE_DATA_FAILURE: [chars]: failed to write data to [chars] block [dec]: [chars]

Explanation  PSS cannot write data due to filesystem or disk error

Recommended Action  No action is required.
Message: PSS-0-PSS_WRITE_FAILURE: [chars]: failed to write data: [chars]

Explanation: PSS cannot write data due to filesystem or disk error

Recommended Action: No action is required.

Message: PSS-0-PSS_WRITE_LOG_FAILURE: [chars]: failed to write log: [chars]

Explanation: PSS cannot write log due to filesystem or disk error

Recommended Action: No action is required.

PSS-1

Message: PSS-1-PSS_INVALID_MAGIC: [chars]: database [chars] has invalid magic number [hex]

Explanation: PSS found a corrupted database with invalid magic number

Recommended Action: No action is required.

Message: PSS-1-PSS_META_READ_ERROR: [chars]: cannot read meta page from [chars]: [chars]

Explanation: PSS cannot read meta page of a database

Recommended Action: No action is required.

Message: PSS-1-PSS_STAT_ERROR: [chars]: cannot stat [chars]: [chars]

Explanation: PSS cannot do fstat on a database

Recommended Action: No action is required.

Message: PSS-1-PSS_VERSION_MISMATCH: [chars]: found version mismatch in [chars]

Explanation: PSS found a database whose format it cannot interpret due to version mismatch

Recommended Action: The image upgrade was not done properly; write erase should cure it as a last step.

PSS-2

Message: PSS-2-PSS_INFRACONVERT: [chars]

Explanation: Error in lib infra convert during pss conversion

Recommended Action: No action is required.
Message  PSS-2-PSS_INVALID_SIZE: [chars]: database [chars] ([chars]) has invalid size\ld (block size [dec])

   Explanation  PSS found a database with invalid size - probably due to a crash

   Recommended Action  No action is required.


   Explanation  PSS database is incomplete; probably due to a crash

   Recommended Action  No action is required.

Message  PSS-2-PSS_RECOVERY_FAILED: [chars]: failed to recover [chars]

   Explanation  PSS recovery failed

   Recommended Action  No action is required.

PSS-4

Message  PSS-4-PSS_CLEANUP: [chars]: cleaning up [chars]

   Explanation  PSS removed a leftover or corrupted file

   Recommended Action  No action is required.

Message  PSS-4-PSS_RECOVERY_ENDED: [chars]: recovered [chars] successfully

   Explanation  PSS recovery finished

   Recommended Action  No action is required.

Message  PSS-4-PSS_RECOVERY_STARTED: [chars]: recovering [chars]: [dec] valid transactional records

   Explanation  PSS started recovery of previous aborted transaction

   Recommended Action  No action is required.

PSS-5

Message  PSS-5-PSS_CONVERT_FORMAT: [chars]: converting pss format: [chars]

   Explanation  PSS format is being converted

   Recommended Action  No action is required.
Message  PSS-5-PSS_CONVERT_LAYOUT: [chars]: converting pss layout: [chars] (params [dec]/[dec]/[dec] -

Explanation  PSS layout is being converted

Recommended Action  No action is required.

Message  PSS-5-PSS_SHRINK: [chars]: shrinking pss: [chars]

Explanation  PSS is being shrunk to remove free space

Recommended Action  No action is required.

Message  PSS-5-SDB_CLOSED_AT_COMMIT: [chars]: sdb [chars] is closed: token [dec] is not committed

Explanation  Publisher received SDB commit but sdb was already closed

Recommended Action  No action is required.

PTPLC Messages

PTPLC-3

Message  PTPLC-3-PTPLC_PORT_CFG_FAILED: Configuration failed on port [hex], [chars]: [hex], [chars]

Explanation  PTP interface configuration error

Recommended Action  No action is required.

Message  PTPLC-3-PTPLC_PTP_INTF_CONFIG_ERROR: Failed to configure PTP/PONG on port [dec]: [hex], [chars]

Explanation  PTP interface configuration error

Recommended Action  No action is required.

PTP Messages

This section contains the PTP messages.
PTP-5

Message   PTP-5-PTP_DISABLED: PTP disabled
Explanation PTP Service Enabled
Recommended Action   No action is required.

Message   PTP-5-PTP_DOMAIN_CHANGE: PTP domain changed to [dec]
Explanation PTP domain changed
Recommended Action   No action is required.

Message   PTP-5-PTP_ENABLED: PTP enabled
Explanation PTP Service Enabled
Recommended Action   No action is required.

PTP-6

Message   PTP-6-PTP_ANNOUNCE_INTERVAL_CHANGE: PTP announce interval for [hex] changed to [dec]
Explanation PTP announce interval for [chars] changed
Recommended Action   No action is required.

Message   PTP-6-PTP_ANNOUNCE_TIMEOUT_CHANGE: PTP announce timeout interval for [hex] changed to [dec]
Explanation PTP announce timeout interval for [chars] changed
Recommended Action   No action is required.

Message   PTP-6-PTP_DELAY_REQ_INTERVAL_CHANGE: PTP delay-req interval for [hex] changed to [dec]
Explanation PTP delay-req interval for [chars] changed
Recommended Action   No action is required.
Message  PTP-6-PTP_PRIORITY1_CHANGE: PTP priority1 changed to [dec]

Explanation  PTP priority1 changed

Recommended Action  No action is required.

Message  PTP-6-PTP_PRIORITY2_CHANGE: PTP priority2 changed to [dec]

Explanation  PTP priority2 changed

Recommended Action  No action is required.

Message  PTP-6-PTP_SYNC_INTERVAL_CHANGE: PTP sync interval for [hex] changed to [dec]

Explanation  PTP sync interval for [chars] changed

Recommended Action  No action is required.

Message  PTP-6-PTP_VLAN_CHANGE: PTP vlan for [hex] changed to [dec]

Explanation  PTP vlan for [chars] changed

Recommended Action  No action is required.

PULSE Messages

This section contains the PULSE messages.

PULSE-0

Message  PULSE-0-EMERGENCY_MSG: [chars]

Explanation  Pulse Emergency Message

Recommended Action  Please file the bug for Pulse Library Component through CDETS'

PULSE-1

Message  PULSE-1-ALERT_MSG: [chars]

Explanation  Pulse Alert Message

Recommended Action  Pulse Internal Operation Alert
PULSE-2

Message  PULSE-2-CRITICAL_MSG: [chars]
Explanation  Pulse Critical Message
Recommended Action  No action is required.

PULSE-3

Message  PULSE-3-ERROR_MSG: [chars]
Explanation  Pulse Message
Recommended Action  No action is required.

PULSE-4

Message  PULSE-4-WARN_MSG: [chars]
Explanation  Pulse Warning Message
Recommended Action  No action is required.

PULSE-5

Message  PULSE-5-NOTIF_MSG: [chars]
Explanation  Pulse Notification Message
Recommended Action  No action is required.

PULSE-6

Message  PULSE-6-INFO_MSG: [chars]
Explanation  Pulse Informational Message
Recommended Action  No action is required.
PULSE-7

Message  PULSE-7-DEBUG_MSG: [chars]

Explanation  Pulse Debug Message

Recommended Action  No action is required.

QD Messages

This section contains the QD messages.

QD-3

Message  QD-3-QD_COSMAP_TMO: Cos map update for [chars] timed out

Explanation  Cos map update timed out.

Recommended Action  No action is required.

QOS Messages

This section contains the QOS messages.

QOS-2

Message  QOS-2-EXITING: Exit reason: [chars]

Explanation  The QOS Manager process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action  No action is required.

Message  QOS-2-GENERAL_ERROR: [chars]

Explanation  The QOS Manager has encountered a critical error. The description of error is [str.].

Recommended Action  No action is required.

Message  QOS-2-INITFAIL: QoS Manager Initialization failed: [chars]

Explanation  QoS Manager initialization failed. [chars] explains the reason for the failure.

Recommended Action  No action is required.
Message  QOS-2-MALLOC_ERROR: Size [dec] bytes

Explanation  The QOS Manager could not allocate memory.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  QOS-2-PSS_ERROR: [chars]: PSS returned value=[dec]

Explanation  The QOS Manager encountered error while operating on a persistent storage database.

Recommended Action  No action is required.

Message  QOS-2-STDOUT_ROTATE_FAILURE: Failed to rotate stdout file: [chars]

Explanation  The QOS Manager has failed to rotate its current stdout file with filename [str.]. The file size could grow beyond its maximum limit.

Recommended Action  No action is required.

QOS-3

Message  QOS-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

Explanation  QoS Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

Message  QOS-3-DBERROR: [chars]

Explanation  QoS Manager encountered a database error. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

Message  QOS-3-E_PORT_ACL_FAILURE: Failed to [chars] QOS ACL for interface [chars] (ACL return code=[hex])

Explanation  The QOS Manager has failed to program or erase QoS related ACL when an E-Port came up or went down for interface [str.]. The error code returned by ACL module is [int.].

Recommended Action  No action is required.
Message QOS-3-FAILURE_RESPONSE: [chars] [hex]

Explanation QoS Manager failed to get response [chars][hex] specify the context where the failure occurred.

Recommended Action No action is required.

Message QOS-3-GENERROR: [chars]

Explanation QoS Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

Recommended Action No action is required.

Message QOS-3-LICERR: [chars]

Explanation QoS Manager failed to get license.

Recommended Action No action is required.

Message QOS-3-MTSERROR: [chars]

Explanation QoS Manager encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

Message QOS-3-PSSERROR: [chars]

Explanation QoS Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Message QOS-3-QOS_PSS_CORRUPTED: [chars] PSS found corrupted

Explanation The QOS Manager has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action No action is required.

Message QOS-3-TIMEOUT_ERROR: [chars] [hex]

Explanation QoS Manager encountered a timeout [chars][hex] specify the context where the failure occurred.

Recommended Action No action is required.
Message  QOS-3-UNKNOWN_MSG: Received from Node=[dec] SAP=[dec]

Explanation  The QOS Manager has received an unknown message from [dec].[dec]. This information is for debugging only.

Recommended Action  No action is required.

QOS-4

Message  QOS-4-LICEXP: [chars]

Explanation  QoS Manager license is going to expire. [chars] gives the expected time of expiry.

Recommended Action  No action is required.

Message  QOS-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]

Explanation  There was a version mismatch between the QOS Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action  No action is required.

QOS-6

Message  QOS-6-BECAME_ACTIVE: Became ACTIVE from standby mode.

Explanation  The QOS Manager on the standby supervisor became active and it is ready to serve client requests.

Recommended Action  No action is required.

Message  QOS-6-BECAME_STDBY: Became STANDBY from active mode.

Explanation  The QOS Manager became standby from active mode.

Recommended Action  No action is required.

Message  QOS-6-DISABLED_UP_MARKING: [chars]

Explanation  The QoS Manager has disabled marking of time-critical control traffic as high-priority traffic. Priority of such traffic is now not altered by QoS Manager.

Recommended Action  No action is required.
Message QOS-6-ENABLED_UP_MARKING: [chars]

Explanation The QoS Manager has enabled marking of time-critical control traffic as high-priority traffic.

Recommended Action No action is required.

Message QOS-6-EXCESSIVE_DELAY: [chars]

Explanation Excessive time taken for a processing event. The description of the event is [str.].

Recommended Action No action is required.

Message QOS-6-E_PORT_ACL_SUCCESS: Successfully [chars] QoS ACL for interface [chars]

Explanation The QOS Manager has successfully programmed or erased QoS related ACL when an E-Port came up or went down for interface [str.].

Recommended Action No action is required.

Message QOS-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

Explanation The QOS Manager was unable to send heartbeat to the system manager.

Recommended Action No action is required.

Message QOS-6-GENERAL_EVENT: [chars]

Explanation The QOS Manager has generated an important event. The description of the event is [str.].

Recommended Action No action is required.

Message QOS-6-MGRCREATED: QoS Manager created

Explanation QoS Manager was created successfully and is up and running. This is an informational message.

Recommended Action No action is required.

Message QOS-6-MGREXIT: QoS Manager shutting down gracefully

Explanation QoS Manager is shutting down gracefully. This is an informational message.

Recommended Action No action is required.
Message QOS-6-PSS_CREATED: [chars] PSS Created
Explanation One of the persistent information database of QOS Manager has been recreated.
Recommended Action No action is required.

Message QOS-6-PSS.Destroyed: [chars] PSS Destroyed
Explanation One of the persistent information databases of QoS Manager has been intentionally destroyed and would be recreated.
Recommended Action No action is required.

Message QOS-6-SERVICE_UP: Initialized [chars]
Explanation The QOS Manager is up and ready to accept client requests. The service was initialized in [char] mode.
Recommended Action No action is required.

Message QOS-6-SWITCHOVER: Switching Over to other Supervisor.
Explanation The QOS Manager has successfully switched over to the standby supervisor card.
Recommended Action No action is required.

Message QOS-6-UNKNOWNMTS: QoS Manager received an unexpected message
Explanation QoS Manager received an unexpected message.
Recommended Action No action is required.

R2D2_USD Messages
This section contains the R2D2_USD messages.

R2D2_USD-2

Message R2D2_SYSLOG_LOG_CRIT: Disabling R2D2 interrupt using EEM
Explanation Gross interrupt threshold exceeded for asic instance. So interrupts have been disabled permanently on the MAC asic.
Recommended Action Reload the module or reload the SUP will recover.
R2D2_USD-6

Message  R2D2_USD-6-R2D2_SYSLOG_INFO: [chars]
Explanation  R2D2 log message
Recommended Action  No action is required.

RADIUS Messages

This section contains the RADIUS messages.

RADIUS-2

Message  RADIUS-2-RADIUS_NO_AUTHEN_INFO: ASCII authentication not supported
Explanation  ASCII authentication not supported.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  RADIUS-2-RADIUS_PROGRAM_EXIT: RADIUS daemon exiting: [chars]
Explanation  RADIUS daemon is exiting.
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

RADIUS-3

Message  RADIUS-3-RADIUS_ERROR_MESSAGE: [chars]
Explanation  RADIUS Message
Recommended Action  No action is required.

RADIUS-4

Message  RADIUS-4-RADIUS_WARNING: [chars]
Explanation  RADIUS Warning
Recommended Action  No action is required.
RADIUS-5

Message  RADIUS-5-RADIUS_MONITOR_STATUS: [chars] [chars]

Explanation  Notifying Radius server monitor status change

Recommended Action  No action is required.

Message  RADIUS-5-RADIUS_NOTIFICATION: [chars]

Explanation  RADIUS Notification

Recommended Action  No action is required.

Message  RADIUS-5-RADIUS_SERVER_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

Explanation  Notifying Radius server status change

Recommended Action  No action is required.

RADIUS-6

Message  RADIUS-6-RADIUS_ACCOUNTING_MESSAGE: [chars]

Explanation  Accounting Message

Recommended Action  No action is required.

Message  RADIUS-6-RADIUS_MESSAGE: [chars]

Explanation  RADIUS Message

Recommended Action  No action is required.

RDL Messages

This section contains the RDL messages.
RDL-2

**Message**  RDL-2-PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation**  There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

RDL-3

**Message**  RDL-3-SYSLOG_ALLOC_FAIL: [chars]

**Explanation**  RDL memory allocation failed: [chars].

**Recommended Action**  No action is required.

**Message**  RDL-3-SYSLOG_CONTEXT_ERR: [chars] [dec]

**Explanation**  RDL context error: [chars] [dec].

**Recommended Action**  No action is required.

**Message**  RDL-3-SYSLOG_ERR:: [chars]

**Explanation**  RDL syslog errors: [chars].

**Recommended Action**  No action is required.

**Message**  RDL-3-SYSLOG_EXIT: [chars]

**Explanation**  RDL exiting on errors: [chars].

**Recommended Action**  No action is required.

**Message**  RDL-3-SYSLOG_INIT_FAIL: [chars] [chars]

**Explanation**  RDL Initialization Failed: [chars] [chars].

**Recommended Action**  No action is required.
Message  RDL-3-SYSLOG_MTS_ERR: [chars]
Explanation  RDL MTS errors: [chars].
Recommended Action  No action is required.

RDL-6

Message  RDL-6-INFORMATION: [chars]
Explanation  An event happened that affects RDL. [chars] indicates the event
Recommended Action  No action is required.

Message  RDL-6-PSS_ERR: [chars]
Explanation  An error occurred during an RDL PSS operation. [chars] indicates the PSS operation that caused the error
Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  RDL-6-SYSLOG_DEBUG_1:: [chars] [hex]
Explanation  RDL Debug logs: [chars] [dec].
Recommended Action  No action is required.

Message  RDL-6-SYSLOG_DEBUG_2:: [chars] [hex]
Explanation  RDL Debug logs: [chars] [dec].
Recommended Action  No action is required.

Message  RDL-6-SYSLOG_INFO:: [chars]
Explanation  RDL Debug logs: [chars].
Recommended Action  No action is required.

Message  RDL-6-SYSLOG_RESP_RCVD:: [chars] [dec]
Explanation  RDL context error: [chars] [dec].
Recommended Action  No action is required.
RES_MGR Messages

This section contains the RES_MGR messages.

RES_MGR-1

**Message**  RES_MGR-1-RES_MGR_HA_ERR: HA sync message received for resource [dec] which does not exist

**Explanation**  RES_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

**Recommended Action**  No action is required.

RES_MGR-2

**Message**  RES_MGR-2-RES_MGR_CONFLICTING_RESOURCE_KEYS: The [chars] resource key [dec] from node [dec] is conflicting with other nodes.

**Explanation**  The user should try and release the conflicting resource.

**Recommended Action**  No action is required.

**Message**  RES_MGR-2-RES_MGR_CRIT: RES_MGR Critical: [chars]

**Explanation**  RES_MGR generic critical condition

**Recommended Action**  No action is required.

**Message**  RES_MGR-2-RES_MGR_HA_PSS_ERR: HA sync message received for resource [dec] with wrong pss type [dec]

**Explanation**  RES_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

**Recommended Action**  No action is required.
RES_MGR-3

Message
RES_MGR-3-RES_MGR_RES_ALREADY_EXCEEDED: The VDC \[dec\] is currently already using more \[chars\] resources (total: \[dec\]) than the desired new maximum limit (\[dec\])

Explanation A limit-resource command was issued such that a VDC would be a forbidden state if we obeyed, having already allocated more resources than the new maximum limit

Recommended Action No action is required.

Message RES_MGR-3-RES_MGR_RES_MAX_LOWER_THAN_MIN: The maximum limit for \[chars\] resources is not allowed to be less than the minimum limit

Explanation A limit-resource command was issued such that the desired maximum limit was lower than the desired minimum limit

Recommended Action No action is required.

Message RES_MGR-3-RES_MGR_RES_TOO_HIGH: Limits for \[chars\] resources are not allowed to be set as high

Explanation A limit-resource command was issued such that a desired limit could not be sat is fixed because of static policies

Recommended Action No action is required.

Message RES_MGR-3-RES_MGR_RES_UNAVAIL: Missing \[dec\] \[chars\] resources currently available to satisfy the minimum limit requested for vdc \[dec\]

Explanation A limit-resource command was issued such that the desired minimum limit could not be sat is fixed because of static policies

Recommended Action No action is required.

RES_MGR-4

Message RES_MGR-4-RES_MGR_MAX_ALLOWED_VDCS_HAS_DECREASED: The maximum number of allowed VDCs has decreased from \[dec\] to \[dec\] since binary config was saved.

Explanation When startup config was saved, more VDCs were allowed in the system.

Recommended Action No action is required.
**Message**  RES_MGR-4-RES_MGR_RES_ALREADY_EXCEEDED_BUT_NOT_ENFORCED: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec]). You may experience some route loss upon switchover, when the new limits will actually take effect.

**Explanation** A limit-resource command was issued such that a VDC may not have enough memory for holding the current amount of routing entries when the new limits will be enforced upon switchover.

**Recommended Action** No action is required.

**Message**  RES_MGR-4-RES_MGR_SC_PSS_PCW_NETADMIN: Performing partial config write for resource [chars] in vdc [dec]

**Explanation** A copy running-config startup-config command was issued from a local admin resource limits for the specified resource in the specified vdc had to be saved as a side-effect of it.

**Recommended Action** No action is required.

**Message**  RES_MGR-4-RES_MGR_SC_PSS_PCW: Performing partial config write for resource [chars]

**Explanation** A copy running-config startup-config command was issued from another VDC resource limits for the specified resource had to be saved as part of it.

**Recommended Action** No action is required.

**Message**  RES_MGR-4-RES_MGR_UNEXPECTED_MSG_LEN: The size of this message was expected to be [dec] ([dec] keys of [dec] size with a [dec] bytes header) and instead was [dec].

**Explanation** A message of unexpected length was received.

**Recommended Action** No action is required.

**Message**  RES_MGR-4-RES_MGR_VLAN_RESERVED_RANGE_UNAVAILABLE: System is running with limited functionality due to restricted reserved vlan range 3968-4047 should be 3968-4096.

**Explanation** User should delete VLANS in range 4048-4093 and use following command: system vlan 3968 reserve

**Recommended Action** No action is required.
RES_MGR-5

Message  RES_MGR-5-RES_MGR.DISABLED: RES_MGR Disabled

Explanation  RES_MGR Service Disabled

Recommended Action  No action is required.

Message  RES_MGR-5-RES_MGR.ENABLED: RES_MGR Enabled

Explanation  RES_MGR Service Enabled

Recommended Action  No action is required.

RES_MGR-6

Message  RES_MGR-6-RES_MGR_CONDITION_VERIFIED: error [hex] [[chars]] during sysmgrcb_vdc_handshake_done() for vdc [dec]

Explanation  RES_MGR is spotting some issue when VDC got created

Recommended Action  No action is required.

RIB Messages

This section contains the RIB messages.

RIB-0

Message  RIB-0-EMERG: [chars]

Explanation  Rib caused a system failure

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

RIB-1

Message  RIB-1-ALERT: [chars]

Explanation  Rib caused failures in other services

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message RIB-1-LCM_FIB_ERR: RIB failed LC insertion

Explanation RIB stopped linecard from coming online due to error received from FIB during merge operation

Recommended Action Check RIB error logs to see error received from FIB

RIB-2

Message RIB-2-CRIT: [chars]

Explanation Rib encountered a catastrophic error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

RIB-3

Message RIB-3-ERR: [chars]

Explanation Rib encountered an error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message RIB-3-FIB_EXIT: fib exited

Explanation Fib had exited and may not continue operation

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message RIB-3-MISS_APPS: Missing response from service

Explanation Service not responding to rib

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message RIB-3-NO_MEM: Out of memory

Explanation Rib does not have enough memory to continue proper operation.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message RIB-3-SEND_FIB: Cannot talk to fib

Explanation Rib to fib IPC failure

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message RIB-3-SEND_SNMP: Cannot respond to snmp

Explanation Rib to snmp IPC failure

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message RIB-3-SEND_STANDBY: Cannot talk to standby rib

Explanation Lost a rib-fib transaction log due to IPC failure

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

RIB-4

Message RIB-4-CPU_HOG: Inactive or busy

Explanation Either rib was not scheduled to run, or rib was busy, and rib did not service the message or timer queue for an extended period.

Recommended Action Please perform debug rib error, then recreate the operation scenario, to find out more details.

Message RIB-4-DUP_FIB: Duplicate response from fib

Explanation Rib ignored duplicate response from fib

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message RIB-4-LATE_FIB: Late response from fib

Explanation Rib ignored late response from fib

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  RIB-4-PC_LIMIT: PC number greater than 128 (ignored by RIB)

Explanation  Rib ignored pc

Recommended Action  Please use PC number < 128 >

Message  RIB-4-WARN: [chars]

Explanation  Rib ignored the unexpected condition

Recommended Action  Please perform debug rib error, then recreate the operation scenario, to find out more details.

RIB-5

Message  RIB-5-NOTE: [chars]

Explanation  Rib does not support this operation

Recommended Action  Please perform debug rib error, then recreate the operation scenario, to find out more details.

RIB-6

Message  RIB-6-INFO: [chars]

Explanation  Rib event occurred

Recommended Action  No action is required.

RLIR Messages

This section contains the RLIR messages.

RLIR-2

Message  RLIR-2-DRLIR_REJECT: DRLIR rejected: [chars]: fcid [chars], reason code [dec]

Explanation  DRLIR rejected: [chars] fcid [chars] reason code [dec]

Recommended Action  No action is required.
**Message**  RLIR-2-FC2_FAILED: RLIR FC2 operation failed: [chars]: [chars]

**Explanation**  RLIR FC2 operation failed: [chars] [chars]

**Recommended Action**  No action is required.

**Message**  RLIR-2-INIT_FAILED: RLIR Init failed: [chars]

**Explanation**  RLIR Init failed: [chars]

**Recommended Action**  No action is required.

**Message**  RLIR-2-LINK_INCIDENT: Interface [chars] [Port [hex]], Link Status: [chars], Link Status Reason: [chars]

**Explanation**  RLIR module detected an unintentional Link Incident

**Recommended Action**  No action is required.

**Message**  RLIR-2-MALLOC_FAILED: RLIR Malloc failed: [chars]

**Explanation**  RLIR Malloc failed: [chars]

**Recommended Action**  No action is required.

**Message**  RLIR-2-MTS_FAILED: RLIR MTS operation failed: [chars]: [chars]

**Explanation**  RLIR MTS operation failed: [chars] [chars]

**Recommended Action**  No action is required.

**Message**  RLIR-2-PSS_FAILED: RLIR PSS operation failed: [chars]: [chars]

**Explanation**  RLIR PSS operation failed: [chars] [chars]

**Recommended Action**  No action is required.

**Message**  RLIR-6-SYSLOG_INFO: RLIR Syslog info: [chars]

**Explanation**  RLIR Syslog info: [chars]

**Recommended Action**  No action is required.
Message  RLIR-6-SYSLOG_STATUS: RLIR Syslog status: [chars] [chars]
Explanation  RLIR Syslog status: [chars] [chars]
Recommended Action  No action is required.

RM Messages

This section contains the RM messages.

RM-6

Message  RM-6-RMGR_INFO: [chars]
Explanation  RMGR daemon informational message
Recommended Action  No action is required.

Message  RM-6-STARTING: deamon started
Explanation  The RMGR daemon successfully started
Recommended Action  No action is required.

RM-SLOT#-2

Message  RM-SLOT#-2-CPP_CATASTROPHIC_ERROR: ERROR: Component ([chars]) caused critical error. Service Module will be reloaded
Explanation  Component caused critical error
Recommended Action  Restart the linecard

Message  RM-SLOT#-2-RM_CPP_RELOAD_TMOUT: ERROR: Component ([chars]) timed out for critical error response. Service Module will be reloaded
Explanation  Component critical error timeout
Recommended Action  No action is required.

Message  RM-SLOT#-2-RM_CRITICAL_ALERT: [chars]
Explanation  Critical Alert
Recommended Action  Restart the linecard
Message  RM-SLOT#-2-RM_PROCESS_FAILED: ERROR: [chars] failed
Explanation  Process failed
Recommended Action  No action is required.

Message  RM-SLOT#-2-RM_PROCESS_TMOUT: ERROR: [chars] did not complete. Reloading Service Module
Explanation  Component critical error timeout
Recommended Action  No action is required.

Message  RM-SLOT#-2-RM_VICPP_RECREATE_ERROR: All the fast path resources are down VICPP connectivity lost
Explanation  Component caused critical error
Recommended Action  Restart the linecard

RM-SLOT#-4

Message  RM-SLOT#-4-RM_WARNING: [chars]
Explanation  Warning
Recommended Action  No action is required.

RSCN Messages

This section contains the RSCN messages.

RSCN-2

Message  RSCN-2-FC2_FAILED: RSCN FC2 operation failed: [chars]: [chars]
Explanation  RSCN FC2 operation failed: [chars] [chars]
Recommended Action  No action is required.

Message  RSCN-2-INIT_FAILED: RSCN Init failed: [chars]
Explanation  RSCN Init failed: [chars]
Recommended Action  No action is required.
Message  RSCN-2-MALLOC_FAILED: RSCN Malloc failed: [chars]
Explanation  RSCN Malloc failed: [chars]
Recommended Action  No action is required.

Message  RSCN-2-MTS_FAILED: RSCN MTS operation failed: [chars]: [chars]
Explanation  RSCN MTS operation failed: [chars] [chars]
Recommended Action  No action is required.

Message  RSCN-2-SCR_REJECT: SCR rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]
Recommended Action  No action is required.

RSCN-3

Message  RSCN-3-PSS_FAILED: RSCN PSS operation failed: [chars]: [chars]
Explanation  RSCN PSS operation failed: [chars] [chars]
Recommended Action  No action is required.

RSCN-4

Message  RSCN-4-RSCN_REJECT: RSCN rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]
Recommended Action  No action is required.

Message  RSCN-4-SWRSCN_REJECT: SW-RSCN rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]
Recommended Action  No action is required.
RSCN-6

Message  RSCN-6-SYSLOG_INFO: RSCN Syslog info: [chars]

Explanation  RSCN Syslog info: [chars]

Recommended Action  No action is required.

Message  RSCN-6-SYSLOG_STATUS: RSCN Syslog status: [chars]: [chars]

Explanation  RSCN Syslog status: [chars] [chars]

Recommended Action  No action is required.
This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

**S to T**

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**SABRE_APP Messages**

This section contains the SABRE_APP messages.

**SABRE_APP-SLOT#-2**

Message  SABRE_APP-SLOT#-2-SABRE_APP_EXITED: Sabre driver application exited (syserr = [dec], errno = [dec])

Explanation  Sabre driver application exited

Recommended Action  No action is required.

**SAC_USD Messages**

This section contains the SAC_USD messages.

**SAC_USD-2**

Message  SAC_USD-2-JTAG_CHECK_FAILED: Xbar Driver JTAG ID check failed for slot:[dec] asic:[dec]

Explanation  Xbar Driver JTAG ID check failed

Recommended Action  No action is required.
Message  SAC_USD-2-SAC_ACCESS_FAILED: Xbar Driver Failed to access reg for [chars]
Explanation  Xbar Driver Access failed
Recommended Action  No action is required.

Message  SAC_USD-2-SAC_CATASTROPHIC: Xbar Driver catastrophic failure: [chars]
Explanation  Xbar Driver catastrophic error
Recommended Action  No action is required.

Message  SAC_USD-2-SAC_INTR_OCCURRED: Xbar ASIC interrupt occurred: [chars]
Explanation  Interrupt occurred
Recommended Action  No action is required.

Message  SAC_USD-2-SAC_INTR_THRESHLD: Xbar ASIC interrupt threshold reached: [chars]
Explanation  Interrupt threshold reached
Recommended Action  No action is required.

Message  SAC_USD-2-SAC_INTR: Xbar ASIC interrupt occurred: [chars]
Explanation  Interrupt occurred on the xbar
Recommended Action  No action is required.

Message  SAC_USD-2-SAC_MALLOC_FAILED: Xbar Driver memory allocation failed
Explanation  Xbar Driver Access failed
Recommended Action  No action is required.

Message  SAC_USD-2-SHUTDOWN: Xbar Driver software process exiting: [chars]
Explanation  Xbar Driver shutting down
Recommended Action  No action is required.

Message  SAC_USD-2-SYNC_FAILED: Xbar Driver sync failed: [chars]
Explanation  Xbar Driver Sync failed for the xbar channel
Recommended Action  No action is required.
**SAC_USD-3**

**Message** SAC_USD-3-EN_DATA_FAILED: Xbar Driver enable data failed for slot: [dec] asic: [dec] channel: [hex]

**Explanation** Xbar Driver Enable Data path failed for the xbar channel

**Recommended Action** No action is required.

**Message** SAC_USD-3-FPOE_DB_ECC: Xbar Driver FPOE DB ECC error in [chars]

**Explanation** FPOE DB ECC error

**Recommended Action** No action is required.

**SAC_USD-5**

**Message** SAC_USD-5-STARTING: Xbar Driver process starting

**Explanation** Xbar Driver process is being started

**Recommended Action** No action is required.

**Message** SAC_USD-5-XBAR_FLOW_CTRL_DIS_EN: XBAR Multicast Flow Control [chars]

**Explanation** Sacramento xbar multicast flow control on Stage3 ports

**Recommended Action** No action is required.

**SAC_USD-6**

**Message** SAC_USD-6-DIS_DATA: Xbar Driver disable datapath done for slot: [dec] asic: [dec] channel: [hex]

**Explanation** Disabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** SAC_USD-6-EN_DATA: Xbar Driver enable datapath done for slot: [dec] asic: [dec] channel: [hex]

**Explanation** Enabled Data path successfully for the xbar channel

**Recommended Action** No action is required.
**SAC-USD-6-SAC_DEBUG_MSG:** [chars]

**Explanation:** Debug log message

**Recommended Action:** No action is required.

**Message** SAC-USD-6-SPINE_HW_INIT: Xbar Driver HW initialization has been done for Fabric-Slot: [dec] Asic: [dec]

**Explanation:** Xbar Driver HW initialization has been called [dec]

**Recommended Action:** No action is required.

**Message** SAC-USD-6-SYNC_DONE: Xbar Driver sync done for slot: [dec] asic: [dec] channel: [hex]

**Explanation:** Sync completed successfully for the xbar channel

**Recommended Action:** No action is required.

**SAL Messages**

This section contains the SAL messages.

**SAL-5**

**Message** SAL-5-SAL_DISABLED: SAL Disabled

**Explanation:** SAL Service Disabled

**Recommended Action:** No action is required.

**Message** SAL-5-SAL_ENABLED: SAL Enabled

**Explanation:** SAL Service enabled

**Recommended Action:** No action is required.

**SANTAP Messages**

This section contains the SANTAP messages.
SANTAP-SLOT#-2

Message SANTAP-SLOT#-2-AVT_CREATE_FAILED: AVT PWWN: [chars], NWWN: [chars], Vsan: [dec], Host: [chars], Tgt: [chars], TgtVsan: [dec], RC: [chars]

Explanation AVT create failed because sanity check failed. Please check reason code for exact failure.

Recommended Action No action is required.

Message SANTAP-SLOT#-2-AVT_SCSI_FAILED: AVT PWWN: [chars], Host: [chars], AVT Lun: 0x%Ld AVT Vsan: [dec], OPC: [hex] RC: [chars]

Explanation SCSI command to AVT is invalid Please check reason code for exact failure.

Recommended Action No action is required.

Message SANTAP-SLOT#-2-COMMIT_FAILED: Commit Failed, status: [dec] token = [dec], vtUid = 0x%Lx, lunId = 0x%Lx

Explanation ISAPI Commit Failed, number of ITLs exceeded limit for the DPP

Recommended Action No action is required.

Message SANTAP-SLOT#-2-CVT_CREATE_FAILED: CVT PWWN: [chars], NWWN: [chars], Vsan: [dec], RC: [chars]

Explanation CVT create failed because sanity check failed. Please check reason code for exact failure.

Recommended Action No action is required.

Message SANTAP-SLOT#-2-DVT_CREATE_FAILED: DVT PWWN: [chars], FEVsan: [dec], BEVsan: [dec], io_tmo: [dec], app_io_tmo: [dec], RC: [chars]

Explanation DVT create failed because sanity check failed. Please check reason code for exact failure.

Recommended Action No action is required.

Message SANTAP-SLOT#-2-DVT_DELETE_FAILED: DVT PWWN: [chars], RC: [chars]

Explanation DVT delete failed. Please check reason code for exact failure.

Recommended Action No action is required.
Message SANTAP-SLOT#-2-DVT_LUN_CREATE FAILED: DVT: [chars], Host: [chars], DVT Lun: 0x%LX, TGTLun: 0x%LX, HIIndex: [dec], Expected HIIndex: [dec], RC: [chars]

Explanation DVT LUN create failed because of sanity checks. Please check reason code for exact failure

Recommended Action No action is required.

Message SANTAP-SLOT#-2-FIT_EXISTS_ON_DIFFERENT_DPP_ERR: CONFIG Error: Cannot Create FIT on DPP [dec] for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Same Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] is logged in to another DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] on a different DPP [dec]

Explanation Same HOST cannot log into two DVTs which are on different DPPs

Recommended Action No action is required.

Message SANTAP-SLOT#-2-FIT_EXISTS_ON_DIFFERENT_PORT_ERR: CONFIG Error: Cannot Create FIT on Ifindex [hex]. Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] logged in to DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] on a different if index [hex]

Explanation Same HOST cannot log into two DVTs which are on different ports

Recommended Action No action is required.

Message SANTAP-SLOT#-2-HOST_PWWN_EXISTS_IN_BE_VSAN: WARNING:: Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] Exists in BackEnd Vsan [dec], cannot create FIT for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

Explanation FIT cannot be created, as Host exists in the Backend Vsan.

Recommended Action No action is required.

Message SANTAP-SLOT#-2-INTERNAL_ERR: [chars]

Explanation Santap Internal Error

Recommended Action No action is required.

Message SANTAP-SLOT#-2-ISAPI_CRIT_PROCESS_CRASH: [chars]. [chars]. SANTAP VM Size: [dec]kB

Explanation ISAPI critical error - process crash.

Recommended Action No action is required.
Message  SANTAP-SLOT#-2-PSS_DELETE_AVT_REC: AVT PWWN: [chars], NWWN: [chars], Vsan: [dec], Host: [chars], Tgt: [chars], TgtVsan: [dec], RC: [chars]

   Explanation  AVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

   Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-PSS_DELETE_CVT_REC: CVT PWWN: [chars], NWWN: [chars], Vsan: [dec], RC: [chars]

   Explanation  CVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

   Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-PSS_DELETE_DVT_REC: DVT PWWN: [chars], FEvsan: [dec], BEVsan: [dec], io_tmo: [dec], app_io_tmo: [dec], RC: [chars]

   Explanation  DVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

   Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-SANTAP_UNPROVISIONING_NOT_SUPPORTED_DURING_PSS_RECOVERY: Santap can not be unprovisioned during pss recovery. Please wait for Santap to recover and retry.

   Explanation  Santap can not be unprovisioned during pss recovery. Please wait for Santap to recover and retry.

   Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-SANTAP_VERSION_NOT_SUPPORTED: Santap feature is not supported in this version of NX-OS. Please refer to NX-OS release notes for more detail.

   Explanation  Santa feature is not supported in this version of NX-OS. Please refer to NX-OS release notes for more detail.

   Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_AVT_DELETED: Santap: AVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] (avt vsan [dec]) deleted

   Explanation  Santap AVT is deleted as part of Unprovisioning or VSAN Delete

   Recommended Action  No action is required.
Message  SANTAP-SLOT#-2-ST_AV1_T_LUN_DELETED: Santap: AVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] (avt lun 0x%Lx) deleted

Explanation  Santap avt lun is deleted as part of Previsioning or VSAN Delete or CLI

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_CVT_DELETED: Santap: CVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] (cvt vsan [dec], name [chars]) deleted

Explanation  Santap CVT is deleted as part of Unprovisioning or VSAN Delete

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_DVT_DELETED: Santap: DVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] (FE vsan [dec], BE vsan [dec]) deleted

Explanation  Santap DVT is deleted as part of Unprovisioning or VSAN Delete

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_GLOBAL_DUPLICATE_AVT_REC: PSS Error: Deleting duplicate AVT %Lx PSS record

Explanation  Duplicate AVT Error

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_GLOBAL_DUPLICATE_CVT_IN_VSAN: PSS Error: VSAN: [dec] already has CVT %Lx. Deleting CVT %Lx PSS record

Explanation  Multiple CVT in VSAN Error

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_GLOBAL_DUPLICATE_DVT_REC: PSS Error: Deleting duplicate DVT %Lx PSS record

Explanation  Duplicate DVT Error

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_GLOBAL_NO_DVT_AVT_ERR: DVT %Lx does not exist for AVT

Explanation  No DVT for AVT Error

Recommended Action  No action is required.
Message SANTAP-SLOT#-2-ST_GLOBAL_NO_HIFIT_AVF_ERR: HI %Lx does not exist for AVT %Lx

Explanation No HI for AVT Error

Recommended Action No action is required.

Message SANTAP-SLOT#-2-ST_GLOBAL_NO_VSAN_DEL_AVF: PSS Error: VSAN: [dec] deleted. Deleting AVT %Lx PSS record

Explanation VSAN Deleted Error

Recommended Action No action is required.

Message SANTAP-SLOT#-2-ST_GLOBAL_NO_VSAN_DEL_CVF: PSS Error: VSAN: [dec] deleted. Deleting CVT %Lx PSS record

Explanation VSAN Deleted Error

Recommended Action No action is required.

Message SANTAP-SLOT#-2-ST_GLOBAL_NO_VSAN_DEL_DVF: PSS Error: VSAN: [dec] deleted. Deleting DVT %Lx PSS record

Explanation VSAN Deleted Error

Recommended Action No action is required.

Message SANTAP-SLOT#-2-ST_HOST_PURGED_FROM_DVF: Santap: Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] removed from DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] (FE vsan [dec], BE vsan [dec]).

Explanation Santap Host Initiator is removed from DVT

Recommended Action No action is required.

Message SANTAP-SLOT#-2-ST_MAX_32BIT_LUNS_PER_HOST_REACHED: MAX_32bit_LUNS_PER_HOST([dec]) limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

Explanation System limit reached for the number of Luns per Host. More Luns cannot be added at this point.

Recommended Action No action is required.
Message  SANTAP-SLOT#-2-ST_MAX_DVT_LUNS_PER_LC_REACHED:
MAX_DVT_LUNS_PER_LC([dec]) limit reached. Host
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Cannot Install Lun 0x%Lx

Explaination  System limit reached for the number of Luns per LC. More Luns cannot be added at this point.

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_MAX_HOSTS_PER_DVT_REACHED: MAX_HOST_PER_DVT([dec]) limit reached for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Reject Plogi/Prli from Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

Explanation  System limit reached for the number of Hosts logging into DVT. More Hosts cannot be configured at this point.

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_MAX_ITLS_PER_DPP_REACHED: MAX_LUNS_PER_DPP([dec]) limit reached on DPP [dec] for Host
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Cannot Install Lun 0x%Lx

Explanation  System limit reached for the number of ITLs per DPP. More Luns cannot be added at this point.

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_MAX_LUNS_PER_DVT_REACHED: MAX_LUNS_PER_DVT([dec]) limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

Explanation  System limit reached for the number of Luns per DVT. More Luns cannot be added at this point.

Recommended Action  No action is required.

Message  SANTAP-SLOT#-2-ST_MAX_LUNS_PER_HOST_REACHED: MAX_LUNS_PER_HOST([dec]) limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT
[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

Explanation  System limit reached for the number of Luns per Host. More Luns cannot be added at this point.

Recommended Action  No action is required.
**Message**  SANTAP-SLOT#-2-ST_REPORT_LUNS_FAILED_ZONE_MISCONFIG: ZONE MISCONFIG: Report Luns Failed for Host: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Tgt: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], dd-sts [hex], scsi-sts [hex], isapi-sts [hex]

**Explanation**  Report Luns Failed for the specified Host, Target pair due to missing zone. Please check the zone configuration.

**Recommended Action**  No action is required.

**Message**  SANTAP-SLOT#-2-ST_REPORT_LUNS_FAILED: Report Luns Failed for Host: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Tgt: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], dd-sts [hex], scsi-sts [hex], isapi-sts [hex]

**Explanation**  Report Luns Failed for the specified Host, Target pair. Please check the configuration.

**Recommended Action**  No action is required.

**Message**  SANTAP-SLOT#-2-ST_SES_DELETED: Santap: Ses [dec] deleted

**Explanation**  Santap ses is deleted as part of Unprovisioning or VSAN Delete or CLI

**Recommended Action**  No action is required.

**SANTAP-SLOT#-4**

**Message**  SANTAP-SLOT#-4-INTERNAL_WARNING: [chars]

**Explanation**  Santap Internal Warning

**Recommended Action**  No action is required.

**Message**  SANTAP-SLOT#-4-ST_16_BIT_LUNS_PRESENT: 16 Bit luns installed (current num luns [dec]) for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx !!

**Explanation**  Cannot Install 16bit and 32 bit luns for the same Host-Target pair

**Recommended Action**  No action is required.

**Message**  SANTAP-SLOT#-4-ST_32_BIT_LUNS_PRESENT: 32 Bit luns installed (current num luns [dec]) for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx !!

**Explanation**  Cannot Install 16 bit and 32 bit luns for the same Host-Target pair

**Recommended Action**  No action is required.
Message  SANTAP-SLOT#-4-ST_LUN_BLK_SIZE_GREATER_THAN_FIVE_TWELVE: Lun Block Size 0x%Lx detected is greater than 512 for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

Explanation  Santap does not support Luns with block size greater than 512

Recommended Action  No action is required.

Message  SANTAP-SLOT#-4-ST_LUN_DEVICE_TYPE_NOT_SUPPORTED: Lun Device Type [dec] detected is not supported for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

Explanation  Santap does not support devices other than DASD and ArrCntl.

Recommended Action  No action is required.

Message  SANTAP-SLOT#-4-ST_LUN_SIZE_GREATER_THAN_2_POW_48: Lun Size 0x%Lx detected is greater than 2 power 48 for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

Explanation  Santap does not support Luns greater than 2 power 48

Recommended Action  No action is required.

Message  SANTAP-SLOT#-4-ST_MISSING_LUN_IN_TARGET_AVT_LUN_EXISTS: Warning: Lun 0x%Lx deleted on Target but AVT Lun 0x%Lx exists for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], AVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Please remove relevant avtluns, as Lun no longer exists on Target

Explanation  Please remove relevant avtluns, as Lun no longer exists on Target

Recommended Action  No action is required.

Message  SANTAP-SLOT#-4-ST_MISSING_LUN_IN_TARGET_SES_EXISTS: Warning: Lun 0x%Lx deleted on Target but Session [dec] exists for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex],[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Please remove relevant sessions, as Lun no longer exists on Target

Explanation  Please remove relevant sessions, as Lun no longer exists on Target

Recommended Action  No action is required.
Message  SANTAP-SLOT#-4-ST_NEAR_MAX_HOSTS_PER_DVT: Warning: Approaching MAX_HOSTS_PER_DVT([dec]) for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Existing num hosts [dec]  

Explanation  Please be wary of the number of hosts logging in.  

Recommended Action  No action is required. 

Message  SANTAP-SLOT#-4-ST_NEAR_MAX_LUNS_PER_HOST: Warning: Approaching MAX_LUNS_PER_HOST([dec]) limit for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Existing num luns [dec]  

Explanation  Please be wary of the number of luns configured for this host.  

Recommended Action  No action is required. 

SANTAP-SLOT#-5  

Message  SANTAP-SLOT#-5-SANTAP_INFO: [chars]  

Explanation  SANTAP notification.  

Recommended Action  No action is required. 

SANTAP-SLOT#-6  

Message  SANTAP-SLOT#-6-FIT_CREATE_ERROR_TARGET_OFFLINE: Target Offline, Cannot Create FIT in vsan [dec] for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] and DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]  

Explanation  FIT Cannot be created as the target is offline  

Recommended Action  No action is required. 


Explanation  User has reset avt lun mask pacing counter  

Recommended Action  No action is required. 


Explanation  User has disabled avt lun mask pacing  

Recommended Action  No action is required.

Explanation User has enabled avt lun mask pacing

Recommended Action No action is required.


Explanation User has modified excl mask in threshold

Recommended Action No action is required.


Explanation User has modified mask all out threshold

Recommended Action No action is required.


Explanation User has modified mask out threshold

Recommended Action No action is required.

Message SANTAP-SLOT#-6-ST_RECOVER_VSAN_DATABASE: Attempting VSAN database resync

Explanation Santap force recovery of vsans has been attempted by user. This will attempt to bring back santap vsan database in sync with the switch

Recommended Action No action is required.

Message SANTAP-SLOT#-6-ST_RESYNC_VTS_IN_VSAN: ReSync Vsan [dec], changing state from [chars] to [chars]. All the VTs in this vsan will be resynced

Explanation Santap force recovery of vsans has been attempted by user. This will attempt to bring back santap vt in sync with ISAPI

Recommended Action No action is required.

Explanation  User has reset scp pacing

Recommended Action  No action is required.


Explanation  User has disabled scp pacing

Recommended Action  No action is required.


Explanation  User has enabled scp pacing

Recommended Action  No action is required.


Explanation  User has modified the scp pacing threshold

Recommended Action  No action is required.

SAN_EXT_TUNER Messages

This section contains the SAN_EXT_TUNER messages.

SAN_EXT_TUNER-3

Message  SAN_EXT_TUNER-3-SAN_EXT_TUNER_LICENSE_EXPIRED: SAN Extension License expired - Disabling SAN Extension Tuner

Explanation  SAN Extension License expired/not present - Disabling SAN Extension Tuner

Recommended Action  No action is required.

SCHEDULER Messages

This section contains the SCHEDULER messages.
SCHEDULER-2

**Message**  SCHEDULER-2-SCH_SYSLOG_MALLOC_ERR: Out of memory: [chars]

**Explanation**  Process memory exhausted. Possible memory leak.

**Recommended Action**  Contact TAC

**Message**  SCHEDULER-2-SCH_SYSLOG_MTS_ERR: MTS error: [chars]

**Explanation**  MTS operation failure

**Recommended Action**  Contact TAC

**Message**  SCHEDULER-2-SCH_SYSLOG_PSS_SNAPSHOT_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]

**Explanation**  Error while performing snapshot I/O to PSS

**Recommended Action**  Contact TAC

**Message**  SCHEDULER-2-SCH_SYSLOG_SDWRAP_ERR: Debug infrastructure initialization failed: [chars]

**Explanation**  Debug infrastructure failed to initialize

**Recommended Action**  Contact TAC

SCHEDULER-3

**Message**  SCHEDULER-3-SCH_ERR: [chars]

**Explanation**  Scheduler error

**Recommended Action**  No action is required.

**Message**  SCHEDULER-3-SCH_SYSLOG_FILE_ERR: [chars] Error: [chars]

**Explanation**  File handling error

**Recommended Action**  No action is required.

**Message**  SCHEDULER-3-SCH_SYSLOG_PSS_ERR: Purpose:[chars] URI:[chars] Error:[dec]

**Explanation**  Error while performing I/O to PSS

**Recommended Action**  Contact TAC
Message  SCHEDULER-3-SCH_SYSLOG_USER_ERR: Description: Failed to execute job for user id [chars] Error: [dec]

Explanation  Error while attempting to execute job for user. Possibly, the user is removed from the system.

Recommended Action  Ensure the user exists. Make sure he is not a remotely authenticated user.

SCHEDULER-4

Message  SCHEDULER-4-SCH_WARN: [chars]

Explanation  Scheduler warning

Recommended Action  No action is required.

SCHEDULER-6

Message  SCHEDULER-6-SCH_MSG: [chars]

Explanation  Scheduler Message

Recommended Action  No action is required.

SCM Messages

SCM-2

Message  SCM-2-SCMLCINSERTFAIL: [chars]

Explanation  SCSI-TARGET

Recommended Action  NONE

SCSI-TARGET Messages

This section contains the SCSI-TARGET messages.
SCSI-TARGET-2

Message  SCSI-TARGET-2-PROC_OPEN_VHBA_DEVICE_FAIL: Failed to communicate with SCSI-target driver error: [hex]

Explanation  SCSI-target process failed to communicate with its peer kernel driver [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'show scsi-target internal driver'

Message  SCSI-TARGET-2-PROC_SET_SCSI_INDEX_FAIL: Failed to set SCSI index SCSI-target driver error: [hex]

Explanation  SCSI-target process failed to set SCSI index with its peer kernel driver [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'show scsi-target internal driver'.

Message  SCSI-TARGET-2-PROC_WWNM_GET_WWN_FAIL: Failed to get local controller pwwn from WWN Manager error: [hex] response: [hex]

Explanation  SCSI-target process used wwnm_bwt_get_local_controller_wwn() api for the port wwn and it failed due to error [hex], response code [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using commands 'show process cpu' and 'show system internal sysmgr service all'. See WWN Manager system error codes for reason.

Message  SCSI-TARGET-2-PSS_INIT_FAIL: pss initialization failed due to error: [hex]

Explanation  SCSI-target process pss initialization failure due to error [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.'

SCSI-TARGET-3

Message  SCSI-TARGET-3-PROC_VSAN_GET_RATOV_FAIL: Failed to get vsan attribute RATOV from VSAN Manager, error: [hex]

Explanation  SCSI-target process used the vsan_get_global_value() api for RATOV and it failed due to error [hex].

Recommended Action  This is a non-fatal error. The default value for RATOV is used. Collect more information using commands 'show process cpu' and 'show system internal sysmgr service all'. See Vsan Manager system error codes for reason.
Message  SCSI-TARGET-3-PSS_CREATE_FAIL: pss create runtime database failed due to error: [hex]

Explanation  SCSI-target process pss create runtime database failure due to error [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_DELETE_FAIL: pss delete runtime entry key:[hex] failed due to error: [hex]

Explanation  SCSI-target process pss delete runtime entry key [hex] failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_MAX_KEY_FAIL: pss set runtime max key failed due to error: [hex]

Explanation  SCSI-target process pss set runtime max key failure due to error [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_MAX_VALUE_FAIL: pss set runtime max value failed due to error: [hex]

Explanation  SCSI-target process pss set runtime max value failure due to error [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_OPEN_FAIL: pss open runtime database failed due to error: [hex]

Explanation  SCSI-target process pss open runtime database failure due to error [hex]. No SCSI discovery can be performed.

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_RELOAD_FAIL: pss reload runtime database failed due to error: [hex]

Explanation  SCSI-target process pss reload runtime database failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.
Message  SCSI-TARGET-3-PSS_SNAPSHOT_DEBUG_FAIL: pss snapshot runtime debug to uri: [chars] failed due to error: [hex]

Explanation  SCSI-target process pss snapshot of runtime debug to uri [string] failed due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_SNAPSHOT_FAIL: pss snapshot runtime to uri: [chars] failed due to error: [hex]

Explanation  SCSI-target process pss snapshot of runtime to uri [string] failed due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

Message  SCSI-TARGET-3-PSS_STORE_FAIL: pss store runtime entry key: [hex] val: [hex] failed due to error: [hex]

Explanation  SCSI-target process pss store runtime entry key [hex] value [hex] failure due to error [hex].

Recommended Action  Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

SCSI-TARGET-7

Message  SCSI-TARGET-7-SCSI_TARGET_DISCOVERED: SCSI-target discovered VSAN: [dec] FCID: [hex] prlisparm: [hex]

Explanation  SCSI-target process discovered VSAN [dec] FCID [hex] prli service parameter [hex].

Recommended Action  None

SDV Messages

This section contains the SDV messages.

SDV-2

Message  SDV-2-RANDNUM_FAIL: Random number generation failed

Explanation  Random number generation failed. Process has to exit due to FIPS compliance

Recommended Action  No action is required.
**Message** SDV-3-ACL_CACHE_ERROR: ACL CACHE ERR, Trying to prig with no interface list

**Explanation** A Null interface list was generated for a ACL entry

**Recommended Action** No action is required.

**Message** SDV-3-ACL_ERROR: ACL API, [chars], failed with error [hex]

**Explanation** SDV invoked ACL API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** SDV-3-ALLOC_FAILED: Failed for type [dec] size [dec]

**Explanation** SDM process could not allocate heap memory. [dec] is the memory type and [dec] is the size of memory

**Recommended Action** No action is required.

**Message** SDV-3-ASSERTION_FAILED: [chars]:[dec]

**Explanation** SDM process has hit an assert condition at file [chars] line number [dec]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SDV-3-AUTOFAILOVER_ERROR: [chars]

**Explanation** SDV Virtual-device failed to auto-fail over due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-BCAST_NOT_SUPPORTED: Broadcast attribute will be ignored for SDV devices

**Explanation** Broadcast attribute will be ignored for SDV devices

**Recommended Action** No action is required.

**Message** SDV-3-ENQUEUE_EVENT_FAIL: Unable to enqueue event into state machine

**Explanation** Unable to enqueue event into state machine

**Recommended Action** No action is required.
Message  SDV-3-FCID_REWRITE_REQUEST_TO_ACL_FAILED: fcid rewrite [chars] request vsan [dec] vdev_id [dec] failed:[chars].

Explanation  This happens when either after SDV retrieved the request few times or ACL experienced error while processing the request.

Recommended Action  No action is required.

Message  SDV-3-INIT_FAIL: [chars]

Explanation  SDM process in it has failed due to [chars]

Recommended Action  No action is required.

Message  SDV-3-INTERNAL_ERR: [chars]

Explanation  SDM process encountered an internal error due to [chars]

Recommended Action  No action is required.

Message  SDV-3-LOCK_FAILED: [chars]

Explanation  An error occurred while acquiring the lock. The reason for the failure: [chars]

Recommended Action  No action is required.

Message  SDV-3-MERGE_ACTIVATION_FAILED: [chars]

Explanation  Error while activating the merged SDV database due to [chars]

Recommended Action  No action is required.

Message  SDV-3-MERGE_CAP_FAILED: [chars]

Explanation  SDV fabric merge failed because of incompatible capabilities [chars]

Recommended Action  Compare SDV configuration in both fabrics and resolve the conflicts if any and commit the changes.

Message  SDV-3-MERGE_FAILED: [chars]

Explanation  SDV fabric merge failed due to [chars]

Recommended Action  Check the error using show sdv merge status vsan <vsan-id
Message  SDV-3-MTS_ERR: [chars]

Explanation  SDM process encountered an MTS error due to [chars]

Recommended Action  No action is required.

SDV-4

Message  SDV-4-FCID_REWRITE_REQUEST_TO_ACL_FAILED_AND_RETRYING: failed:[chars]. Retrying the request again.

Explanation  This happens when either any of the linecard being upgraded or ACL experienced error while processing the request.

Recommended Action  No action is required.

SDV-6

Message  SDV-6-INTERNAL_ERR_INFO: [chars]

Explanation  SDM process encountered ignorable error due to [chars]

Recommended Action  No action is required.

SDV-7

Message  SDV-7-SRVCREATED: SDM Process started

Explanation  SDM process has started

Recommended Action  No action is required.

SECURITYD Messages

This section contains the SECURITYD messages.

SECURITYD-2

Message  SECURITYD-2-FIPS_BYPASS_SELF_TEST_STATUS: FIPS Bypass self-test status: [chars]

Explanation  Status of FIPS self-test [chars]

Recommended Action  No action is required.
Message SECURITYD-2-FIPS_CRNG_SELF_TEST_STATUS: FIPS CRNG self-test status: [chars]

Explanation Status of FIPS self-test [chars]

Recommended Action No action is required.


Explanation Status of FIPS [chars] self-test [chars]

Recommended Action No action is required.

Message SECURITYD-2-FIPS_IMAGE_INTEGRITY_SELF_TEST_STATUS: FIPS Image Integrity self-test status: [chars]

Explanation Status of FIPS [chars] self-test [chars]

Recommended Action No action is required.

Message SECURITYD-2-FIPS_POST_ERROR_MSG: [chars]

Explanation Fips post Message

Recommended Action No action is required.

Message SECURITYD-2-FIPS_POST_MAINTENANCE: FIPS Test failed. Moving to maintenance mode

Explanation FIPS Test failed. Moving to maintenance mode

Recommended Action No action is required.

Message SECURITYD-2-FIPS_POST_TEST_FAILED: FIPS crypto-test failure: [dec]

Explanation FIPS crypto-test failed [chars]

Recommended Action No action is required.

Message SECURITYD-2-FIPS_POWERUP_SELF_TESTS_STATUS: FIPS power-up self-test status: [chars]

Explanation Status FIPS self-test [chars]

Recommended Action No action is required.
Message  SECURITYD-2-FIPS_POWERUP_SELF_TEST_STATUS: FIPS [chars] power-up self-test status: [chars]

Explanation  Status of FIPS [chars] power-up self-test [chars]

Recommended Action  No action is required.

Message  SECURITYD-2-FIPS_SELF_TEST_FAILED: FIPS self-test failure: [chars]: [chars]

Explanation  FIPS self-test failed [chars] for service [chars]

Recommended Action  No action is required.

Message  SECURITYD-2-PROGRAM_EXIT: security/accounting daemon exiting: [chars]

Explanation  Security/accounting daemon is exiting.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SECURITYD-3

Message  SECURITYD-3-SECURITY_ERR_MSG: [chars]

Explanation  Security Message

Recommended Action  No action is required.

Message  SECURITYD-3-NVRAMFAILURE: nvram failure

Explanation  Nvram can not be read/written to. Hence accounting log can not be stored there

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SECURITYD-6

Message  SECURITYD-6-ACCOUNTING_MESSAGE: [chars]

Explanation  Accounting Message

Recommended Action  No action is required.
Message SECURITYD-6-CHANGE_PASSWD: changing passwd for [chars]

Explanation Changing passwd for [chars]

Recommended Action No action is required.

Message SECURITYD-6-DELETE_STALE_USER_ACCOUNT: deleting expired user account: [chars]

Explanation Deleting expired user account of [chars]

Recommended Action No action is required.

Message SECURITYD-6-FIPS_MODE_SET_FAILED: Error when setting FIPS mode: [chars]

Explanation FIPS mode failed [chars]

Recommended Action No action is required.

Message SECURITYD-6-FIPS_MODE_SET: FIPS mode is [chars] for service [chars]

Explanation FIPS mode is changed [chars] [chars]

Recommended Action No action is required.

Message SECURITYD-6-FIPS_POST_INFO_MSG: [chars]

Explanation Fips post Information Message

Recommended Action No action is required.

Message SECURITYD-6-SECURITY_INFO_MSG: [chars]

Explanation Security Info Message

Recommended Action No action is required.

SECURITYD-7

Message SECURITYD-7-SECURITY_DBG_MSG: [chars]

Explanation Security Debug Message

Recommended Action No action is required.
Chapter 6      S to T

SENSOR_USD Messages

This section contains the SENSOR_USD messages.

SENSOR_USD-2

Component [chars]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-2-SNSM_SYSLOG_SHUTDOWN: Sensor Mgr process shutting down:
[chars]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-2-SNSM_SYSLOG_ALLOC_MEMORY: Sensor Mgr Memory allocation
failed

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

SENSOR_USD-3

Message  SENSOR_USD-3-MSG_SNSM_SYS_MEM_ALOC_FAILURE: Sensor Mgr Error in allocing
mem: [dec], Error code = [dec]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-3-SNSM_API_CALL_FAILURE: Sensor Mgr Error in [chars] call
erro=[dec]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.
Message  SENSOR_USD-3-SNSM_SYSLOG_BAD_MTS_MSG: Sensor Mgr Received bad MTS message: [dec]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-3-SNSM_SYSLOG_MTS_PROCESS_ERROR: Sensor Mgr Error in processing MTS message: [dec], Error code = [hex]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-3-SNSM_SYS_DEQUE_PENDING_QUE_FAILURE: Sensor Mgr Error in Dequing pend Que: %p, Error code = [hex]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-3-SNSM_SYS_ENQUE_PENDING_QUE_FAILED: Sensor Mgr Error in queuing to pending queue: %p, Error code = [hex]

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

Message  SENSOR_USD-3-SNSM_SYS_MTS_RECV_FAILURE: Sensor Mgr Error in receving MTS msg

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

SENSOR_USD-5

Message  SENSOR_USD-5-SNSM_SYSLOG_STARTING: Sensor Mgr process started

Explanation  Sensor Manager syslog message

Recommended Action  No action is required.

SENSOR_MGR Messages

This section contains the SENSOR_MGR messages.
SENSOR_MGR-2

Message  SESSION-MGR-2-DB_UNLOCK_FAILED: Failed to unlock the database for session: [chars]

Explanation  Session-Manager failed to unlock the database for session: [chars]

Recommended Action  No action is required.

SENSOR_MGR-3


Explanation  Session-mgr process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action  No action is required.

SENSOR_MGR-4

Message  SESSION-MGR-4-ISSU_FAILED: [chars]:[hex]

Explanation  Session manager failed ISSU because of [string] and error: [hex]

Recommended Action  No action is required.

SENSOR Messages

This section contains the SENSOR messages.

SENSOR-0

Message  SENSOR-0-DC3_SENSOR_MSG: [chars]

Explanation  SENSOR log emergency message

Recommended Action  No action is required.
SENSOR-3

Message  SENSOR-3-DC3_SENSOR_MSG1: [chars]

Explanation  SENSOR log message

Recommended Action  No action is required.

SESSION-MGR Messages

This section contains the SESSION-MGR messages.

SESSION-MGR-2

Message  SESSION-MGR-2-DB_UNLOCK_FAILED: Failed to unlock the database for reason: [chars]

Explanation  Session-Manager failed to unlock the database for session: [chars]

Recommended Action  No action is required.

SESSION-MGR-3


Explanation  Session-mgr process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action  No action is required.

SESSION-MGR-4

Message  SESSION-MGR-4-ISSU_FAILED: [chars]:[hex]

Explanation  Session manager failed ISSU because of: [string] and error: [hex]

Recommended Action  No action is required.

SFC Messages

This section contains the SFC messages.
SFC-3

**Message**  SFC-3-ERROR: [chars]

**Explanation**  SCSI Flow Client encountered an error

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SFM Messages

This section contains the SFM messages.

SFM-2

**Message**  SFM-2-NO_LICENSE_WARNING: SCSI Flow Manager is shutting down as no license is available.

**Explanation**  License required for continued SCSI Flow Manager operation is not available.

**Recommended Action**  No action is required.

SFM-6

**Message**  SFM-6-LICENSE_VALID: A valid license for SCSI Flow Manager has been obtained

**Explanation**  A valid license for SCSI Flow Manager has been obtained

**Recommended Action**  No action is required.

SIM Messages

This section contains the SIM messages.

SIM-2

**Message**  SIM-2-IF_CRITICAL_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation**  There was a critical failure in the component.

**Recommended Action**  Please follow instructions on the syslog.
**Message** SIM-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface or removing and re-inserting the fibre optic cable.

**Message** SIM-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** SIM-2-SEQ_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** SIM-2-SYSLOG_SIM_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

**SIM-3**

**Message** SIM-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform 'shut' and 'noshutdown' on the Port Channel interface that it belongs to

**Message** SIM-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.
Message  SIM-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

Explanation  The VLANs on an interface are being suspended due to some protocol action

Recommended Action  No action is required.

Message  SIM-3-IF_SFP_ALARM: Interface [chars], [chars]

Explanation  There was an alarm on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information

Message  SIM-3-IF_SFP_ERROR: Interface [chars], [chars]

Explanation  There was an error on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information

Message  SIM-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported

Explanation  The transceiver for the interface specified in the Message is not a Cisco supported module

Recommended Action  Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

Message  SIM-3-IF_XCVR_ALARM: Interface [chars], [chars]

Explanation  There was an alarm on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information

Message  SIM-3-IF_XCVR_ERROR: Interface [chars], [chars]

Explanation  There was an error on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information
**SIM-4**

**Message**  SIM-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation**  The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action**  Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message**  SIM-4-IF_SFP_WARNING: Interface [chars], [chars]

**Explanation**  There was an warning on the transceiver module

**Recommended Action**  Please do show interface transceiver details to obtain more information

**Message**  SIM-4-IF_XCVR_WARNING: Interface [chars], [chars]

**Explanation**  There was an warning on the transceiver module

**Recommended Action**  Please do show interface transceiver details to obtain more information

**SIM-5**

**Message**  SIM-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]

**Explanation**  Interface is admin up

**Recommended Action**  No action is required.

**Message**  SIM-5-IF_BANDWIDTH_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation**  Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action**  No action is required.

**Message**  SIM-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)

**Explanation**  Interface has been configured to be administratively down

**Recommended Action**  Perform noshutdown
Message

Message  SIM-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down (Config change)
Explanation  FCIP interface temporarily down due to reconfiguration
Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)
Explanation  This interface belongs to a PortChannel and the PortChannel is configured to be administratively down
Recommended Action  Perform 'noshutdown' on the Port Channel interface that it belongs to

Message  SIM-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)
Explanation  The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel
Recommended Action  Retry the configuration again

Message  SIM-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)
Explanation  Isolated due to a failure while assigning a domain
Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)
Explanation  Invalid RCF received
Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)
Explanation  Isolated due to domain manager being disabled
Recommended Action  No action is required.
Message  SIM-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

Explanation  Remote end domain manager not responding

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

Explanation  Isolating this interface due to the remote end being isolated

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

Explanation  Isolated due to domain overlap

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation  ELP failed on the interface

Recommended Action  Check the output of 'show port internal info' in the 'ELP failure reason' field'

Message  SIM-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation  Trunk protocol failed

Recommended Action  'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

Message  SIM-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

Explanation  ESC failed on the interface

Recommended Action  Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed
Message SIM-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down (Tunnel port src interface down)

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected, the interface is administratively enabled

Message SIM-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down (Tunnel port src interface link down)

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected and the remote end is also active

Message SIM-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)

Explanation The FCOT has been removed

Recommended Action Insert an FCOT

Message SIM-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

Explanation Fcot inserted is not a supported one

Recommended Action Please contact customer support for a list of authorized transceiver vendors

Message SIM-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)

Explanation The modules hardware has failed

Recommended Action Collect more information about failed module using command 'show module internal all module'

Message SIM-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

Explanation The port VSAN has been suspended or deleted

Recommended Action Assign a new active port VSAN to the interface

Message SIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

Explanation The configured mode is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the list of modes supported on this interface
Message SIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

Explanation The configured receive B2B credit size is not supported

Recommended Action Get the allowed receive B2B credit size from 'show port internal info'

Message SIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

Explanation The configured receive buffer size is not supported

Recommended Action Get the allowed receive buffer size from 'show port internal info'

Message SIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

Explanation The configured speed is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the range of speed supported on this interface

Message SIM-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)

Explanation The interface is in the process of coming up

Recommended Action If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message SIM-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)

Explanation Interface removed

Recommended Action No action is required.

Message SIM-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Message SIM-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)

Explanation Diag failed on the interface

Recommended Action Collect more information about failed interface using command
Message  SIM-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

Explanation  The interface is looped back to another interface on the same switch

Recommended Action  Check the connectivity of this interface and ensure that it is connected to another switch

Message  SIM-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)

Explanation  Interface is down because the module was removed

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_NONE: Interface [chars] is down ([chars])

Explanation  Interface is down with a possible reason.

Recommended Action  Collect more information about port using command 'show port internal info /event-history' to determine why it went down

Message  SIM-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)

Explanation  The loop port has been put into non participating mode

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)

Explanation  The interface has been placed into the offline state

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)

Explanation  Parent interface is down

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down (TCP conn. closed by peer)

Explanation  The FCIP peer connected to this interface closed the TCP connection

Recommended Action  This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection
Message  SIM-5-IF_DOWN_PEER_RESET: Interface [chars] is down (TCP conn. reset by peer)

Explanation  TCP connection to the FCIP peer got reset

Recommended Action  The following commands will provide the IP address of the peer and the route used to connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Message  SIM-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)

Explanation  This is a PortChannel interface and all its members are operationally down

Recommended Action  Enable at least one of the PortChannel members

Message  SIM-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

Explanation  Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action  Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'noshutdown'

Message  SIM-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)

Explanation  There is an RCF in progress

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)

Explanation  The software servicing the data path on the port has failed

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down (Tunnel source module not online)

Explanation  Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action  The module that has the tunnel src port is coming online. Please use show mod to find module status
Message  SIM-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

Explanation  Tunnel port source interface unbound

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down (Tunnel src port removed)

Explanation  Tunnel source port of this FCIP interface has been removed

Recommended Action  The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

Message  SIM-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode)

Explanation  This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

Recommended Action  Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  SIM-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

Explanation  This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

Recommended Action  Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  SIM-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

Explanation  This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

Recommended Action  Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

Message  SIM-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)

Explanation  This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

Recommended Action  Perform a 'shutdown' and a 'noshutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface
Message SIM-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down (TCP conn. closed - Keep alive expired)

Explanation TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message SIM-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down (TCP conn. closed - retransmit failure)

Explanation Interface is down due to maximum retransmission failure

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message SIM-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down (TCP conn. closed - Persist timer expired)

Explanation TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message SIM-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

Explanation Upgrade of the linecard software is in progress

Recommended Action No action is required.

Message SIM-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf down)

Explanation The VRF for which this interface is a member is removed

Recommended Action No action is required.

Message SIM-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

Recommended Action Check the VSANs configured on the local end with the remote end
Message  SIM-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

Explanation  Isolated due to a failure during zone merge

Recommended Action  No action is required.

Message  SIM-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

Explanation  Isolated due to remote zone server not responding

Recommended Action  No action is required.

Message  SIM-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

Explanation  Operational duplex mode has changed when link came up

Recommended Action  No action is required.

Message  SIM-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

Explanation  Interface is being recovered from error disabled state

Recommended Action  No action is required.

Message  SIM-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]

Explanation  There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

Recommended Action  No action is required.

Message  SIM-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]

Explanation  The l2mp-mode on the port has changed

Recommended Action  No action is required.

Message  SIM-5-IF_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

Explanation  Operational receive flow control has changed when link came up

Recommended Action  No action is required.
Message SIM-5-IF_TRUNK_DOWN: Interface [chars], vlan [chars] down

Explanation Interface [chars] is trunking, VLANs [chars] are down

Recommended Action The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

Message SIM-5-IF_TRUNK_UP: Interface [chars], vlan [chars] up

Explanation Interface [chars] is trunking, VLANs [chars] are up

Recommended Action No action is required.

Message SIM-5-IF_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

Explanation Operational transmit flow control has changed when link came up

Recommended Action No action is required.

Message SIM-5-IF_UP: Interface [chars] is up [chars]

Explanation Interface is up in mode specified, if applicable

Recommended Action No action is required.

Message SIM-5-SPEED: Interface [chars], operational speed changed to [chars]

Explanation Operational speed has changed when link came up

Recommended Action No action is required.

Message SIM-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

Explanation Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

Recommended Action Identify source of traffic storm

Message SIM-5-STORM_CONTROL_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

Explanation Traffic on specified port has returned to within configured storm-control threshold

Recommended Action No action is required.
SKSD Messages

This section contains the SKSD messages.

SKSD-2

Message  SKSD-2-SKSD_CRYPT_SERVICE_CRIT: Encryption-Service: [chars]
Explanation  Encryption Service critical errors.
Recommended Action  No action is required.

SKSD-3

Message  SKSD-3-SKSD_CRYPT_SERVICE_ERR: Encryption-Service: [chars]
Explanation  Encryption Service errors.
Recommended Action  No action is required.

Message  SKSD-3-SKSD_FIPS_MODE_INIT_ERROR: Could not initialize FIPS mode: [chars]
Explanation  FIPS mode initialization error
Recommended Action  No action is required.

Message  SKSD-3-SKSD_FIPS_MODE_SELFTEST: FIPS POST for [chars] [chars]
Explanation  FIPS Selftest Result
Recommended Action  No action is required.

SKSD-4

Message  SKSD-4-SKSD_CRYPT_SERVICE_WARN: Encryption-Service: [chars]
Explanation  Encryption Service warnings.
Recommended Action  No action is required.
SKSD-5

Message SKSD-5-SKSD_CRYPT_SERVICE_NOTICE: Encryption Service: [chars]

Explanation Encryption Service updates.

Recommended Action No action is required.

Message SKSD-5-SKSD_EXIT: Keystore Application Exiting: [chars]

Explanation Keystore Program exiting

Recommended Action No action is required.

Message SKSD-5-SKSD_FUNC: Keystore Operation: [chars]

Explanation Keystore Event upon a receiving a request

Recommended Action No action is required.

Message SKSD-5-SKSD_HW_INIT: Hardware Keystore Init done

Explanation Hardware Keystore Init completed

Recommended Action No action is required.

Message SKSD-5-SKSD_HW_RESET: Hardware Reset: [chars]

Explanation Hardware Reset

Recommended Action No action is required.

Message SKSD-5-SKSD_HW: Smartcard: [chars]

Explanation Smartcard Presence

Recommended Action No action is required.

Message SKSD-5-SKSD_INIT: Keystore Application Init: [chars]

Explanation Keystore Program Init

Recommended Action No action is required.
Message SKSD-5-SKSD_KEY_ADD: Key added
Explanation Key added to keystore
Recommended Action No action is required.

Message SKSD-5-SKSD_KEY_DELETE: Key deleted
Explanation Key deleted from keystore
Recommended Action No action is required.

Message SKSD-5-SKSD_MKEY_INSTALL: Installing a Master Key on the smartcard(s)
Explanation Installing a new Master Key on the smartcard(s)
Recommended Action No action is required.

Message SKSD-5-SKSD_SUP_STATE: Supervisor card new state: [dec]
Explanation Supervisor state change
Recommended Action No action is required.

Message SKSD-5-SKSD_SW_INIT: Software Keystore Init done
Explanation Software Keystore Init completed
Recommended Action No action is required.

SKSD-6

Message SKSD-6-SKSD_CRYPT_SERVICE_INFO: Encryption Service: [chars]
Explanation Encryption Service informational updates.
Recommended Action No action is required.

SKT_USD Messages

This section contains the SKT_USD messages.
SKT_USD-2

Message  SKT_USD-2-SKT_RF_CRC_ERR: [chars]

Explanation  Skytrain received packet(s) from fabric with CRC error

Recommended Action  No action is required.

SKT_USD-6

Message  SKT_USD-6-SKT_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

SKYLINE_APP Messages

This section contains the SKYLINE_APP messages.

SKYLINE_APP-SLOT#-2

Message  SKYLINE_APP-SLOT#-2-SKYLINE_APP_EXITED: Skyline driver application exited (syserr = [dec], errno = [dec])

Explanation  Skyline driver application exited

Recommended Action  No action is required.

SME_CPP Messages

This section contains the SME_CPP messages.

SME_CPP-2

Message  SME_CPP-2-IT_NEXUS_MAX_INTERFACE_LIMIT_REACHED: [chars] cannot be bound as the interfaces reached the maximum IT Nexus limit

Explanation  IT Load Balancing failed

Recommended Action  No action is required.

Explanation A single lun with multiple paths has some non configured paths. Please configure all lun paths.

Recommended Action No action is required.


Explanation Two different luns configured as one device. Please fix configuration.

Recommended Action No action is required.

Message SME_CPP-2-LOG_ERR_SME_LICENSE_EXPIRED: SME License expired - Disabling [chars]

Explanation SAN Media Encryption License expired/not present - Disabling SME

Recommended Action No action is required.


Explanation A single lun with multiple paths has some non configured paths. Please configure all lun paths.

Recommended Action No action is required.


Explanation An SME Cluster Message was aborted by the Cluster process

Recommended Action No action is required.

Message SME_CPP-2-LOG_WARN_SME_LICENSE_GRACE: No SME License. Feature will be shut down after a grace period of approximately [dec] days

Explanation SAN Media Encryption feature on grace period. Please acquire actual license.

Recommended Action No action is required.
**SME_CPP-2**

**Message** SME_CPP-2-SME_INIT_FAILED: Initialization failed for SME: [chars], Reason: [hex]

**Explanation** Initialization failed for SME

**Recommended Action** No action is required.

**SME_CPP-3**

**Message** SME_CPP-3-LOG_ERR_SME_DBSYBC_REJECT: SME Database Synchronization [chars] for a New Cluster (Id 0x%llx) Rejected; Reason - [chars].

**Explanation** A switch can be part of only one SME cluster

**Recommended Action** No action is required.

**Message** ME_CPP-3-LOG_ERR_SME_DISK_DP_CNODE_NOT_FOUND: crypto disk data preparation for (DG: [chars] CD NAME: [chars]) could not find coned ([chars] if_index: [hex])

**Explanation** The data preparation failed since crypto node assigned for data preparation is not found

**Recommended Action** No action is required.

**Message** SME_CPP-3-LOG_ERR_SME_DISK_DP_CNODE_OVERLOAD: crypto disk data preparation for (DG: [chars] CD NAME: [chars]) could not be assigned a crypto node ([chars] if_index: [hex]) due to max limit. current active sessions: [dec]

**Explanation** The data preparation failed since crypto node is already handling maximum number of data preparation sessions

**Recommended Action** No action is required.

**Message** SME_CPP-3-LOG_ERR_SME_DISK_KMC_NAME_MISMATCH: The KMC DG: [chars] and CD NAME: [chars] corresponding to VID: [chars] PID: [chars] DID: [chars] doesn’t match cdisk DG: [chars] and CD NAME: [chars]

**Explanation** The discovered vendor id information not match the crypto disk

**Recommended Action** No action is required.

**Message** SME_CPP-3-LOG_ERR_SME_DISK_KMC_VPD_FIXED: The VPD of cdisk DG: [chars] CD NAME: [chars] has been changed to VPD in KMC VID: [chars] PID: [chars] DID: [chars] and old VPD of disk has been removed

**Explanation** The vendor id information has been modified to be consistent with KMC

**Recommended Action** No action is required.

**Explanation** The discovered vendor id information not match the crypto disk

**Recommended Action** No action is required.


**Explanation** The given path does not belong to the configured disk

**Recommended Action** No action is required.


**Explanation** The given path does not belong to the configured disk

**Recommended Action** No action is required.


**Explanation** The given path does not belong to the disk

**Recommended Action** No action is required.


**Explanation** The given path does not belong to the disk

**Recommended Action** No action is required.

**Message** SME_CPP-3-LOG_ERR_SME_INTF_MISMATCH_CLUSTER_PARAMS: SME interface [chars] part of cluster [chars] with ID [chars] and security mode [dec], but the DPP has state from a previous instance of a cluster [chars] with ID [chars] and security mode [dec].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the interface is part of a different cluster.

**Recommended Action** No action is required.
Message  SME_CPP-3-LOG_ERR_SME_INTF_MISMATCH_CRYPTO_NODE_CERTIFICATE2: but the DPP has a different certificate (len [dec] fingerprint [chars]).

Explanation  DPP has persistent state about a previous cluster membership with a different crypto node identity.

Recommended Action  No action is required.


Explanation  DPP has persistent state about a previous cluster membership with a different crypto node identity.

Recommended Action  No action is required.

Message  SME_CPP-3-LOG_ERR_SME_INTF_MISMATCH_CRYPTO_NODE_PARAMS: SME interface [chars] part of cluster [chars] with ID [chars] as a crypto node [chars], but the DPP is identified as [chars].

Explanation  DPP has persistent state about a previous cluster membership on a different switch or module.

Recommended Action  No action is required.


Explanation  The IT nexus is currently in use by data preparation so rediscover not permitted since it disrupts data preparation. Please stop data preparation first

Recommended Action  No action is required.

Message  SME_CPP-3-LOG_SME_CDISK_DP_FAILED: SME cdisk ([chars]) data preparation failed ([chars]), disk-group ([chars]), cluster (name [chars], id %llx)

Explanation  SME cdisk data preparation failed

Recommended Action  No action is required.

Message  SME_CPP-3-LOG_SME_DISK_ASL_FAILED: [chars]

Explanation  SME KMC disk asl token generation failed for the given device discovery info

Recommended Action  No action is required.
Message SME_CPP-3-LOG_SME_KEY_CREATE_FAILED: Key creation ([chars]) failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME key creation failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_KMC_DELETE_ALL_KEYS_FAILED: Delete all keys in cluster failed to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC delete keys failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_KMC_DELETE_KEYS_FAILED: Delete keys for [chars] failed to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC delete keys failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_KMC_KEEPALIVE_FAILED: Keepalive to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC Keepalive failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_KMC_KEY_ENTITY_LOOKUP_FAILED: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC key lookup failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_KMC_KEY_LOOKUP_FAILED: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC key lookup failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_KMC_KEY_UPDATE_FAILED: Key updates ([chars]) to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC key updates failed

Recommended Action No action is required.
Message SME_CPP-3-LOG_SME_KMC_MODIFY_DISK_STATUS_FAILED: Key ([chars]) update disk status in KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation SME KMC disk status update failed

Recommended Action No action is required.

Message SME_CPP-3-LOG_SME_REPLACE_SMARTCARD_ABORT: Replace smartcard process (type [chars]) aborted [chars] with reason ([chars]) in SME cluster (name [chars], id %llx)

Explanation SME KMC connection up

Recommended Action No action is required.

Message SME_CPP-3-SME_FIPS_MODE_ERROR: SME FIPS error: [chars]

Explanation SME module FIPS mode error

Recommended Action No action is required.

Message SME_CPP-3-SME_MAX_CLUSTERS_LIMIT_EXCEEDED: SME maximum clusters limit of [dec] exceeded

Explanation The maximum SME clusters limit exceeded

Recommended Action No action is required.

SME_CPP-5

Message SME_CPP-5-IT_NEXUS_OPTIMUM_INTERFACE_LIMIT_REACHED: Interface [chars] exceeded the optimum IT Nexus limit

Explanation Interface Flow Limit

Recommended Action No action is required.

Message SME_CPP-5-LOG_ERR_SME_INTF_MISMATCH_NOT_PART_OF_ANY_CLUSTER: SME interface [chars] not part of any cluster, but the DPP has state from a previous instance of a cluster [chars] with ID [chars].

Explanation DPP has persistent state about a previous cluster membership incarnation, but the interface is not part of any cluster.

Recommended Action No action is required.
**Message** SME_CPP-5-LOG_ERR_SME_INTF_MISMATCH_NOT_PROVISIONED: SME is not provisioned on slot [dec], but the DPP has state from a previous instance as a crypto node [chars] of a cluster [chars] with ID [chars].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the switch has not provisioned the interface for SME.

**Recommended Action** No action is required.

**Message** SME_CPP-5-LOG_SME_CDISK_DP_SUCCESS: SME cdisk ([chars]) data preparation succeeded, disk-group ([chars]), cluster (name [chars], id %llx)

**Explanation** SME cdisk data preparation succeeded

**Recommended Action** No action is required.

**Message** SME_CPP-5-LOG_SME_CLUSTER_INTF_ADDED: SME interface now part of cluster [chars] with ID [chars] as a crypto node [chars] and certificate (len [dec] fingerprint [chars]).

**Explanation** Interface added to cluster successfully

**Recommended Action** No action is required.

**Message** SME_CPP-5-LOG_SME_CLUSTER_INTF_REMOVED: SME interface now removed from cluster [chars] with ID [chars] as a crypto node [chars] and certificate (len [dec] fingerprint [chars]).

**Explanation** Interface removed from cluster successfully

**Recommended Action** No action is required.

**Message** SME_CPP-5-LOG_SME_INTERFACE_DOWN: SME Interface ([chars]) DOWN

**Explanation** SAN Interface was brought down

**Recommended Action** No action is required.

**Message** SME_CPP-5-LOG_SME_INTERFACE_UP: SME Interface ([chars]) is UP

**Explanation** SAN Interface was brought up

**Recommended Action** No action is required.


**Explanation** SME IT Nexus bind failed

**Recommended Action** No action is required.
Message  SME_CPP-5-LOG_SME_KEY_CREATE_SUCCESS: Key created ([chars]) successfully in SME cluster (name [chars], id %llx)

Explanation  SME key creation succeeded

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_CONNECTION_DOWN: Connection to KMC server [chars] is down with reason ([chars]) from local switch in SME cluster (name [chars], id %llx)

Explanation  SME KMC connection down

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_CONNECTION_INIT_FAIL: Connection initialization to KMC server [chars] from local switch in SME cluster (name [chars], id %llx) failed with error ([chars])

Explanation  SME KMC connection initialization failed.

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_CONNECTION_INIT_PASS: Connection initialization to KMC server [chars] from local switch in SME cluster (name [chars], id %llx) succeeded

Explanation  SME KMC connection initialization succeeded.

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_CONNECTION_UP: Connection to KMC server [chars] is up from local switch in SME cluster (name [chars], id %llx)

Explanation  SME KMC connection up.

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_DELETE_ALL_KEYS_SUCCESS: Delete all keys in cluster to KMC server succeeded, SME cluster (name [chars], id %llx)

Explanation  SME KMC delete keys succeeded

Recommended Action  No action is required.
Message  SME_CPP-5-LOG_SME_KMC_DELETE_KEYS_SUCCESS: Delete keys for [chars] to KMC server succeeded, SME cluster (name [chars], id %llx)

Explanation  SME KMC delete keys succeeded

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_KEY_ENTITY_LOOKUP_NOKEY: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

Explanation  SME KMC key lookup resulted in no key

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_KEY_ENTITY_LOOKUP_SUCCESS: Key ([chars]) lookup from KMC server succeeded, SME cluster (name [chars], id %llx)

Explanation  SME KMC key lookup succeeded

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_KEY_UPDATE_SUCCESS: Key updates ([chars]) to KMC server succeeded, SME cluster (name [chars], id %llx)

Explanation  SME KMC key updates succeeded

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_KMC_MODIFY_DISK_STATUS_SUCCESS: Key ([chars]) update disk status in KMC server succeeded, SME cluster (name [chars], id %llx)

Explanation  SME KMC disk status update succeeded

Recommended Action  No action is required.

Message  SME_CPP-5-LOG_SME_MASTER_KEY_REKEYED: Master Key rekeyed successfully in SME cluster (name [chars], id %llx)

Explanation  SME Master Key rekeyed

Recommended Action  No action is required.
Message SME_CPP-5-LOG_SME_REPLACE_SMARTCARD_COMMIT: Replace smartcard process (type [chars]) committed [chars] in SME cluster (name [chars], id %llx)

Explanation SME KMC connection up

Recommended Action No action is required.

Message SME_CPP-5-LOG_SME_REPLACE_SMARTCARD_START: Replace smartcard process (type [chars]) initiated [chars] in SME cluster (name [chars], id %llx)

Explanation SME KMC connection up

Recommended Action No action is required.

Message SME_CPP-5-LOG_SME_TAPE_VOLUME_GROUP_REKEYED: Tape volume group ([chars]) rekeyed successfully in SME cluster (name [chars], id %llx)

Explanation SME Master Key rekeyed

Recommended Action No action is required.

Message SME_CPP-5-SME_DISABLED: SME Disabled

Explanation SME Service Disabled

Recommended Action No action is required.

Message SME_CPP-5-SME_DISK_DP_WAIT_KMC: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting KMC validation of VPD

Explanation The data preparation is waiting for validation of VPD with KMC

Recommended Action No action is required.

Message SME_CPP-5-SME_DISK_DP_WAIT_PATH_ADD: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting paths to be added

Explanation The data preparation is waiting for paths to be added to the crypto disk

Recommended Action No action is required.

Message SME_CPP-5-SME_DISK_DP_WAIT_PATH_CFG: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting for the path (fabric: [chars] hwnn: 0x%Lx twnn: 0x%Lx vsan: [dec] lun_id: [chars]) to be added

Explanation The data preparation is waiting for discovered path to be added

Recommended Action No action is required.
Message  SME_CPP-5-SME_DISK_DP_WAIT_PATH_DISC: (DG: [chars] CD NAME: [chars]) is waiting for configured path (fabric: [chars] hwnn: 0x%Lx twwn: 0x%Lx vsan: [dec] lun_id: [chars]) to be discovered

Explanation  The data preparation is waiting for configured path to be discovered

Recommended Action  No action is required.

Message  SME_CPP-5-SME_ENABLED: SME Enabled

Explanation  SME Service enabled

Recommended Action  No action is required.

SME_CPP-SLOT#-2

Message  SME_CPP-SLOT#-2-LOG_ERR_SME_DEVICE_MISCONFIG: Different configured Devices under same physical LUN - Old Cluster Name:[chars] New Cluster Name:[chars] Old Group Name:[chars] New Group Name:[chars] Old Device Name:[chars] New Device Name:[chars]

Explanation  Different configured devices under same physical LUN

Recommended Action  No action is required.

Message  SME_CPP-SLOT#-2-LOG_ERR_SME_ITL_MISCONFIG: Different physical LUNs under same Tape Device - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:[chars] Serial Num:[chars] Serial Num:[chars]

Explanation  Different physical LUNs under same Tape Device

Recommended Action  No action is required.

Message  SME_CPP-SLOT#-2-LOG_ERR_SME_LUN_MISCONFIG: Different physical LUNs under same ITL - Old Serial Num:[chars] New Serial Num:[chars]

Explanation  Different physical LUNs under same ITL

Recommended Action  No action is required.


Explanation  This tape is currently not being encrypted

Recommended Action  No action is required.

Explanation This tape is currently not being encrypted because CTH verification has failed in DPP

Recommended Action No action is required.


Explanation There was a failure retrieving keys from SUP for this tape

Recommended Action No action is required.

SME_CPP-SLOT#-3

Message  SME_CPP-SLOT#-3-LOG_ERR_SME_DISC_TIMEOUT: Module:[dec] Host-Target:[chars]

Explanation Discovery on this IT Nexus is taking too long, please check status

Recommended Action No action is required.


Explanation The capacity of the disk seems to have changed

Recommended Action No action is required.

Message  SME_CPP-SLOT#-3-LOG_ERR_SME_DISK_CPP_IT_MISCONFIG: Disk ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx has been misconfigured under a non disk lun

Explanation Disk ITL has been misconfigured under non disk lun

Recommended Action No action is required.

Message  SME_CPP-SLOT#-3-LOG_ERR_SME_DISK_CPP_ITL_MISCONFIG: Tape device has been misconfigured under disk IT nexus [chars] hence skipping discovery of ITLs under this IT nexus

Explanation Remove misconfigured disk path under the tape device

Recommended Action No action is required.

Explanation  SUP detected authentication failure on path

Recommended Action  No action is required.


Explanation  KMC returned an invalid disk entity index

Recommended Action  No action is required.

Message SME_CPP-SLOT#-3-LOG_ERR_SME_DISK_INVALID_CAPACITY: Disk capacity not supported. IT nexus: [chars] LUN Id: 0x%Lx VID: [chars] PID: [chars] max_lba= [hex] max_lba64= 0x%Lx

Explanation  The reported disk capacity is zero

Recommended Action  No action is required.


Explanation  The configured path does not belong to this disk

Recommended Action  No action is required.


Explanation  The configured path does not belong to this disk

Recommended Action  No action is required.


Explanation  KMC returned an invalid disk key

Recommended Action  No action is required.

Explanation Vpd of the discovered path pending verification with KMC

Recommended Action No action is required.

Message SME_CPP-SLOT#-3-LOG_ERR_SME_DISK_MISCONFIG: A disk device misconfiguration under disk config - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Lx

Explanation A disk device misconfigured under disk config

Recommended Action No action is required.


Explanation ISAPI_PhyCopyEncrypt() failed causing data preparation to fail

Recommended Action No action is required.


Explanation The VPD of the disk seems to have changed

Recommended Action No action is required.


Explanation The configured path does not belong to this disk

Recommended Action No action is required.


Explanation ITL DP TEST IO failure, please check status

Recommended Action No action is required.
Message  SME_CPP-SLOT#-3-LOG_ERR_SME_ITL_CPP_ERR: Module: [dec] Host-Target [chars] LunID: [chars]

Explanation  ITL failure seen on CPP, please check status

Recommended Action  No action is required.

Message  SME_CPP-SLOT#-3-LOG_ERR_SME_IT_NEXUS_UNSUPPORTED: IT nexus [chars] has both disks and tapes which is an unsupported configuration

Explanation  IT nexus has an unsupported mix of tape and disk devices

Recommended Action  No action is required.

Message  SME_CPP-SLOT#-3-LOG_ERR_SME_NON_DISK_MISCONFIG: A non-disk device misconfigured under disk config - Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Lx

Explanation  A non disk device misconfigured under disk config

Recommended Action  No action is required.

Message  SME_CPP-SLOT#-3-LOG_ERR_SME_NON_TAPE_MISCONFIG: A non-tape device misconfigured under tape config - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Ld

Explanation  A disk misconfigured under tape config

Recommended Action  No action is required.

SME_CPP-SLOT#-4


Explanation  This tape drive may not operate correctly with SME

Recommended Action  No action is required.

SNMPD Messages

This section contains the SNMPD messages.
SNMPD-1

Message  SNMPD-1-ALERT: SNMP log alert: [chars]
Explanation  SNMP log alert message.
Recommended Action  No action is required.

SNMPD-2

Message  SNMPD-2-CRITICAL: SNMP log critical: [chars]
Explanation  SNMP log critical message.
Recommended Action  No action is required.

SNMPD-3

Message  SNMPD-3-ERROR: SNMP log error: [chars]
Explanation  SNMP log Message.
Recommended Action  No action is required.

SNMPD-4

Message  SNMPD-4-WARNING: SNMP log warning: [chars]
Explanation  SNMP log warning message.
Recommended Action  No action is required.

SNMPD-5

Message  SNMPD-5-NOTIFICATION: SNMP log notification: [chars]
Explanation  SNMP log notification message.
Recommended Action  No action is required.
SNMPD-6

Message SNMPD-6-INFO: SNMP log informational: [chars]
Explanation SNMP log info message.
Recommended Action No action is required.

SNMPD-7

Message SNMPD-7-DEBUG: SNMP log debugging: [chars]
Explanation SNMP log debug message.
Recommended Action No action is required.

SPAN Messages

This section contains the SPAN messages.

SPAN-2

Message SPAN-2-MEM_FULL: Memory allocation failed
Explanation Memory allocation failed
Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SPAN-3

Message SPAN-3-IPC_FAIL: IPC Error
Explanation Internal IPC error
Recommended Action No action is required.

Message SPAN-3-SYSINFO_TIMEOUT: Span timed out waiting for response from port manager for sys info
Explanation Span request for critical system information from port manager timed out. So, span on the new active is exiting and system manager will restart Span.
Recommended Action No action is required.
SPAN-5

**Message**  SPAN-5-ATL_VSAN_DEFAULT_ALL: Default to all VSANs for SPAN egress session

**Explanation**  Generation 2 fabric switches support only one VSAN filter for egress SPAN session. If no or more than one VSANs are specified, SPAN will default to use all VSANs for the egress SPAN session.

**Recommended Action**  No action is required.

**Message**  SPAN-5-SPAN_CFG_REJECT_SRC_VSAN_FILTER_NOT_SUPPORTED: Source interface [[chars]] in dir [[chars]] removed from session [[dec]].

**Explanation**  Interface level VSAN filters is not supported.

**Recommended Action**  No action is required.

**Message**  SPAN-5-SPAN_CFG_REJECT_VSAN_SRC_PRESENT: Source VSAN [[dec]] removed from session [[dec]].

**Explanation**  Source VSANs are removed from the session as mixing of interface and VSANs is not supported.

**Recommended Action**  No action is required.

**Message**  SPAN-5-SPAN_PSS_CORRUPTION: Span is starting stateless due to PSS corruption

**Explanation**  Due to unrecoverable PSS corruption error, SPAN starts stateless without any configuration.

**Recommended Action**  No action is required.

**Message**  SPAN-5-STATELESS_RESTART_ON_ACTIVE: Span is restarting as Span on active sup was restarted stateless.

**Explanation**  Due to unrecoverable error, Span on active supervisor was restarted stateless. So, the standby Span restarts to get in sync with the stateless Span on active.

**Recommended Action**  No action is required.

**Message**  SPAN-5-STATELESS_RESTART: Span is restarting stateless.

**Explanation**  Due to unrecoverable error, Span is starting stateless. The currently active sessions will not be preserved. The user will have to reenter all the configuration.

**Recommended Action**  No action is required.
SPAN-6

Message SPAN-6-SESSION_DOWN: Session [dec] is inactive ([chars])

Explanation Session [dec] is inactive now. Traffic for this session is no longer spanned.

Recommended Action Check the reason for session inactive using command 'show span session' and take corresponding action.

Message SPAN-6-SESSION_UP: Session [dec] is active, destination SD port [chars]

Explanation Session [dec] is active now. You can monitor Spanned traffic at the destination SD port.

Recommended Action No action is required.

Message SPAN-6-STATELESS_SWITCHOVER: Span is starting stateless after switchover.

Explanation Active sessions are not preserved across switchover. Span is starting stateless and the configuration will be reapplied to get back the active configuration.

Recommended Action No action is required.

SPI Messages

This section contains the SPI messages.

SPI-SLOT#-2

Message SPI-SLOT#-2-SPI_INFO: [chars]

Explanation SPI Informational message

Recommended Action No action is required.

STATSCLIENT Messages

This section contains the STATSCLIENT messages.
STATSCLIENT-2

Message  STATSCLIENT-2-STATSCL_CRIT: [chars]

Explanation  StatsClient Critical Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

STATSCLIENT-3

Message  STATSCLIENT-3-STATSCL_ERR2: [chars] [dec] [dec]

Explanation  StatsClient Error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  STATSCLIENT-3-STATSCL_ERR: [chars] [dec]

Explanation  StatsClient Error

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

STATSCLIENT-6

Message  STATSCLIENT-6-STATSCL_INFO: [chars]

Explanation  StatsClient Flow Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

STATSPROFILER Messages

This section contains the STATSPROFILER messages.

STATSPROFILER-2

Message  STATSPROFILER-2-IF_CRITICAL_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

Explanation  There was a critical failure in the component.

Recommended Action  Please follow instructions on the syslog.
Message  STATSPROFILER-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason:[chars])

Explanation  The interface encountered an error while configuring it

Recommended Action  Collect more information about failed interface using command show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface on the interface or removing and re-inserting the fibre optic cable.

Message  STATSPROFILER-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)

Explanation  The physical link has gone down

Recommended Action  Ensure that the cable is connected and the remote end is not shut down

Message  STATSPROFILER-2-SEQ_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

Explanation  Some component did not respond to a request in stipulated time.

Recommended Action  None

Message  STATSPROFILER-2-SYSLOG_STATSPROFILER_CRITICAL: Critical failure: [chars]

Explanation  There was a critical failure in the component.

Recommended Action  Please collect system tech-support

STATSPROFILER-3

Message  STATSPROFILER-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)

Explanation  This interface belongs to a PortChannel and the PortChannel is error disabled

Recommended Action  Perform 'shut' and 'no shutdown' on the Port Channel interface that it belongs to

Message  STATSPROFILER-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

Explanation  The VLANs on an interface are being removed from the suspended state

Recommended Action  No action is required.
**Message**  
STATSPROFILER-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation**  
The VLANs on an interface are being suspended due to some protocol action

**Recommended Action**  
No action is required.

**Message**  
STATSPROFILER-3-IF_SFP_ALARM: Interface [chars], [chars]

**Explanation**  
There was an alarm on the transceiver module

**Recommended Action**  
Please do show interface transceiver details to obtain more information

**Message**  
STATSPROFILER-3-IF_SFP_ERROR: Interface [chars], [chars]

**Explanation**  
There was an error on the transceiver module

**Recommended Action**  
Please do show interface transceiver details to obtain more information

**Message**  
STATSPROFILER-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation**  
The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action**  
Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message**  
STATSPROFILER-3-IF_XCVR_ALARM: Interface [chars], [chars]

**Explanation**  
There was an alarm on the transceiver module

**Recommended Action**  
Please do show interface transceiver details to obtain more information

**Message**  
STATSPROFILER-3-IF_XCVR_ERROR: Interface [chars], [chars]

**Explanation**  
There was an error on the transceiver module

**Recommended Action**  
Please do show interface transceiver details to obtain more information
STATSPROFILER-4

Message  STATSPROFILER-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

Explanation  The transceiver for the interface specified has not been qualified on this platform for this software release

Recommended Action  Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Message  STATSPROFILER-4-IF_SFP_WARNING: Interface [chars], [chars]

Explanation  There was an warning on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information

Message  STATSPROFILER-4-IF_XCVR_WARNING: Interface [chars], [chars]

Explanation  There was an warning on the transceiver module

Recommended Action  Please do show interface transceiver details to obtain more information

STATSPROFILER-5

Message  STATSPROFILER-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]

Explanation  Interface is admin up

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_BANDWIDTH_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

Explanation  Bandwidth of the interface (port channel) has changed and this change is updated

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)

Explanation  Interface has been configured to be administratively down

Recommended Action  Perform 'noshutdown'
Message  STATSPROFILER-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down (Config change)

Explanation  FCIP interface temporarily down due to reconfiguration

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)

Explanation  This interface belongs to a Port Channel and the PortChannel is configured to be administratively down

Recommended Action  Perform 'no shutdown' on the Port Channel interface that it belongs to

Message  STATSPROFILER-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)

Explanation  The interface belongs to a Port Channel and a configuration is being attempted on the interface while there is a configuration in progress on the Port Channel

Recommended Action  Retry the configuration again

Message  STATSPROFILER-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

Explanation  Isolated due to a failure while assigning a domain

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

Explanation  Invalid RCF received

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

Explanation  Isolated due to domain manager being disabled

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

Explanation  Remote end domain manager not responding

Recommended Action  No action is required.
Message  STATSPROFILER-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

Explanation  Isolating this interface due to the remote end being isolated

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

Explanation  Isolated due to domain overlap

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation  ELP failed on the interface

Recommended Action  Check the output of 'show port internal info' in the 'ELP failure reason' field

Message  STATSPROFILER-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation  Trunk protocol failed

Recommended Action  'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

Message  STATSPROFILER-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

Explanation  ESC failed on the interface

Recommended Action  Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

Message  STATSPROFILER-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down (Tunnel port src interface down)

Explanation  Ethernet link to which the FCIP interface is bound is down

Recommended Action  Ensure that the ethernet cable is connected, the interface is administratively enabled
Message  STATSPROFILER-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down (Tunnel port src interface link down)

Explanation  Ethernet link to which the FCIP interface is bound is down

Recommended Action  Ensure that the ethernet cable is connected and the remote end is also active

Message  STATSPROFILER-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)

Explanation  The FCOT has been removed

Recommended Action  Insert an FCOT

Message  STATSPROFILER-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

Explanation  Fcot inserted is not a supported one

Recommended Action  Please contact customer support for a list of authorized transceiver vendors

Message  STATSPROFILER-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)

Explanation  The modules hardware has failed

Recommended Action  Collect more information about failed module using command 'show module internal all module'

Message  STATSPROFILER-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

Explanation  The port VSAN has been suspended or deleted

Recommended Action  Assign a new active port VSAN to the interface

Message  STATSPROFILER-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

Explanation  The configured mode is not supported on this interface

Recommended Action  Perform a 'show port internal info' to determine the list of modes supported on this interface

Message  STATSPROFILER-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

Explanation  The configured receive B2B credit size is not supported

Recommended Action  Get the allowed receive B2B credit size from 'show port internal info'
Message  STATSPROFILER-5-IP_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

    Explanation  The configured receive buffer size is not supported

    Recommended Action  Get the allowed receive buffer size from 'show port internal info'

Message  STATSPROFILER-5-IP_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

    Explanation  The configured speed is not supported on this interface

    Recommended Action  Perform a 'show port internal info' to determine the range of speed supported on this interface

Message  STATSPROFILER-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)

    Explanation  The interface is in the process of coming up

    Recommended Action  If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message  STATSPROFILER-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)

    Explanation  Interface removed

    Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)

    Explanation  The physical link has gone down

    Recommended Action  Ensure that the cable is connected and the remote end is not shut down

Message  STATSPROFILER-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)

    Explanation  Diag failed on the interface

    Recommended Action  Collect more information about failed interface using command 'attach module' to connect to module
Message  STATSPROFILER-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

Explanation  The interface is looped back to another interface on the same switch

Recommended Action  Check the connectivity of this interface and ensure that it is connected to another switch

Message  STATSPROFILER-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)

Explanation  Interface is down because the module was removed

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_NONE: Interface [chars] is down ([chars])

Explanation  Interface is down with a possible reason.

Recommended Action  Collect more information about port using command 'show port internal info/event-history' to determine why it went down

Message  STATSPROFILER-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)

Explanation  The loop port has been put into non participating mode

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)

Explanation  The interface has been placed into the offline state

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)

Explanation  Parent interface is down

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

Explanation  The FCIP peer connected to this interface closed the TCP connection

Recommended Action  This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection
Message  STATSPROFILER-5-IP_DOWN_PEER_RESET: Interface [chars] is down (TCP conn. reset by peer)

Explanation  TCP connection to the FCIP peer got reset

Recommended Action  The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show route. Check to see why the peer reset the TCP connection

Message  STATSPROFILER-5-IP_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)

Explanation  This is a Port Channel interface and all its members are operationally down

Recommended Action  Enable at least one of the PortChannel members

Message  STATSPROFILER-5-IP_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

Explanation  Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action  Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'noshutdown'

Message  STATSPROFILER-5-IP_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)

Explanation  There is an RCF in progress

Recommended Action  No action is required.

Message  STATSPROFILER-5-IP_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)

Explanation  The software servicing the data path on the port has failed

Recommended Action  No action is required.

Message  STATSPROFILER-5-IP_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down (Tunnel source module not online)

Explanation  Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action  The module that has the tunnel src port is coming online. Please use show mod to find module status
Message  STATSPROFILER-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

Explanation  Tunnel port source interface unbound

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down (Tunnel src port removed)

Explanation  Tunnel source port of this FCIP interface has been removed

Recommended Action  The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

Message  STATSPROFILER-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode)

Explanation  This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

Recommended Action  Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  STATSPROFILER-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

Explanation  This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

Recommended Action  Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message  STATSPROFILER-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

Explanation  This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

Recommended Action  Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

Message  STATSPROFILER-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)

Explanation  This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

Recommended Action  Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface
Message  STATSPROFILER-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is
down (TCP conn. closed - Keep alive expired)

Explanation  TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action  This may be due to loss of IP connectivity. The following commands will
provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show
ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip
addr

Message  STATSPROFILER-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is
down (TCP conn. closed - retransmit failure)

Explanation  Interface is down due to maximum retransmission failure

Recommended Action  This may be due to loss of IP connectivity. The following commands will
provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show
ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip
addr

Message  STATSPROFILER-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is
down (TCP conn. closed - Persist timer expired)

Explanation  TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action  This may be due to loss of IP connectivity. The following commands will
provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show
ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip
addr

Message  STATSPROFILER-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down
(Linecard upgrade in progress)

Explanation  Upgrade of the linecard software is in progress

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf
down)

Explanation  The VRF for which this interface is a member is removed

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is
down (Isolation due to vsan mismatch)

Explanation  This is a trunking interface and the VSANs configured do not match with the VSANs
configured on the remote end

Recommended Action  Check the VSANs configured on the local end with the remote end
Message  STATSPROFILER-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

Explanation  Isolated due to a failure during zone merge

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

Explanation  Isolated due to remote zone server not responding.

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

Explanation  Operational duplex mode has changed when link came up.

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

Explanation  Interface is being recovered from error disabled state.

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]

Explanation  There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed.

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]

Explanation  The l2mp-mode on the port has changed

Recommended Action  No action is required.

Message  STATSPROFILER-5-IF_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

Explanation  Operational receive flow control has changed when link came up

Recommended Action  No action is required.
Message  STATSPROFILER-5-IP_TRUNK_DOWN: Interface [chars], vlan [chars] down

Explanation  Interface [chars] is trunking, VLANs [chars] are down

Recommended Action  The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

Message  STATSPROFILER-5-IP_TRUNK_UP: Interface [chars], vlan [chars] up

Explanation  Interface [chars] is trunking, VLANs [chars] are up.

Recommended Action  No action is required.

Message  STATSPROFILER-5-IP_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

Explanation  Operational transmit flow control has changed when link came up

Recommended Action  No action is required.

Message  STATSPROFILER-5-IP_UP: Interface [chars] is up [chars]

Explanation  Interface is up in mode specified, if applicable.

Recommended Action  No action is required.

Message  STATSPROFILER-5-SPEED: Interface [chars], operational speed changed to [chars]

Explanation  Operational speed has changed when link came up.

Recommended Action  No action is required.

Message  STATSPROFILER-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

Explanation  Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped.

Recommended Action  Identify source of traffic storm.

Message  STATSPROFILER-5-STORM_CONTROL_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

Explanation  Traffic on specified port has returned to within configured storm-control threshold.

Recommended Action  No action is required.
**STP Messages**

This section contains the STP messages.

**STP-2**

**Message**  
STP-2-BLOCK_BPDUGUARD: Received BPDU on port [chars] with BPDU Guard enabled. Disabling port.

**Explanation**  
A BPDU was received in the interface specified in the Message that has the spanning tree BPDU Guard feature enabled. As a result, the interface was administratively shut down.

**Recommended Action**  
Either remove the device sending BPDUs or disable the BPDU Guard feature. The BPDU Guard feature can be locally configured on the interface or globally configured on all ports that have port-fast enabled. After the conflict has been resolved, re-enable the interface by entering the `<CmdBold>`.

**Message**  
STP-2-BLOCK_DETECTED_PVST_PEER: Blocking port [chars] [PVST peer detected].

**Explanation**  
The listed interface received SSTP BPDU indicating that peer is running PVST and will be held in spanning tree blocking state until the interface stops receiving SSTP BPDUs.

**Recommended Action**  
Either enable PVST simulation configuration for the interface or make sure the port peer is not PVST switch.

**Message**  

**Explanation**  
The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the Port VLAN ID (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of the listed interface.

**Recommended Action**  
Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message**  

**Explanation**  
The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the port VLAN Id (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of interface on the peer switch to which the listed interface is connected.

**Recommended Action**  
Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.
Message  STP-2-BRIDGE_ASSURANCE_BLOCK: Bridge Assurance blocking port [chars] [chars].

Explanation  BPDUs were not received from a neighboring switch on the interface that has spanning tree Bridge Assurance configured. As a result, the interface was moved to the spanning tree Blocking state

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-BRIDGE_ASSURANCE_UNBLOCK: Bridge Assurance unblocking port [chars] [chars].

Explanation  The interface listed in the message has been restored to normal spanning tree state after receiving BPDUs from the neighboring L2 switch/bridge

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-DISPUTE_CLEARED: Dispute resolved for port [chars] on [chars].

Explanation  The listed interface has stopped receiving Inferior BPDUs with designated role and state as learning and/or forwarding. The Dispute has been resolved and if the port is still designated, it will be taken out of the blocking state as and when appropriate.

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-DISPUTE_DETECTED: Dispute detected on port [chars] on [chars].

Explanation  The spanning tree has detected a Dispute on this interface. The BPDU received from the peer is Inferior with designated role and state as learning and/or forwarding. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as disputed in order to prevent possible loops from being created

Recommended Action  Issue the <CmdBold>

Message  STP-2-IPC_PROCESSING_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

Explanation  STP encountered an error in processing an MTS message. The error and message are specified in the Message

Recommended Action  No action is required.
Message  STP-2-L2GW_BACKBONE_BLOCK: L2 Gateway Backbone port inconsistency blocking port [chars] on [chars].

Explanation  A BPDU was received on the listed interface which advertises a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as L2 Gateway Backbone port inconsistent in order to prevent a suboptimal spanning tree topology to form.

Recommended Action  Issue the <CmdBold>

Message  STP-2-L2GW_BACKBONE_UNBLOCK: L2 Gateway Backbone port inconsistency cleared unblocking port [chars] on [chars].

Explanation  The listed interface is no longer receiving BPDUs advertising a superior root bridge. The L2 Gateway Backbone port inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-LOOPGUARD_BLOCK: Loop guard blocking port [chars] on [chars].

Explanation  The spanning tree message age timer has expired because and no BPDUs were received from the designated bridge. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as loop guard inconsistent in order to prevent possible loops from being created.

Recommended Action  Issue the <CmdBold>

Message  STP-2-LOOPGUARD_CONFIG_CHANGE: Loop guard [chars] on port [chars].

Explanation  The spanning tree loop guard configuration for the listed interface has been changed. If enabled, the interface will be put into blocking state and marked as loop guard inconsistent when the message age timer expires because no BPDU were received from the designated bridge. This feature is mainly used to detect unidirectional links.

Recommended Action  Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

Message  STP-2-LOOPGUARD_UNBLOCK: Loop guard unblocking port [chars] on [chars].

Explanation  The listed interface has received a BPDU and therefore if the inconsistency was due to an unidirectional link failure, now the problem is not there anymore. The loop guard inconsistency is cleared for the interface which is taken out of the blocking state if appropriate.

Recommended Action  LOG_STD_NO_ACTION
Message  STP-2-PVSTSIM_FAIL: Blocking [chars] port [chars]: Inconsistent [chars] PVST BPDU received on VLAN [dec], claiming root [chars]

Explanation  When a MST switch is connected to a PVST+ switch, the CIST (MST00) information on the port of the MST switch must be consistently better than all the PVST+ messages if the port is designated or consistently worse than all the PVST+ messages if the port is root. If this constraint is not respected, the port on the MST switch is blocked in order to prevent a potential bridging loop.

Recommended Action  When STP is converging after a new switch, or switch port is added to the topology, this condition may happen transiently. The port unblocks automatically in such cases. If the port remains blocked, identify the root bridge as reported in the message, and configure a worse or better priority for the VLAN spanning tree consistent with the CIST role on the port of the MST switch. There could be more inconsistencies than the message indicates, and the port will not recover until all such inconsistencies are cleared. If you cannot determine which other VLANs have inconsistencies, disable and reenable the port. This message will appear again and specify another VLAN with inconsistencies to be fixed. Repeat this process until all inconsistencies on all VLANs are cleared.

Message  STP-2-PVSTSIM_OK: PVST Simulation inconsistency cleared on port [chars].

Explanation  The listed interface is no longer receiving PVST BPDUs advertising an information inconsistent with the CIST port information. The PVST Simulation Inconsistency is cleared and the interface returns to normal operation.

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-RANDNUM_FAIL: [chars]

Explanation  There was a critical error during random number generation. [chars] indicates details of the error.

Recommended Action  No action is required.

Message  STP-2-RECV_BAD_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].

Explanation  The list interface received a SSTP BPDU that was missing the VLAN id tag. The BPDU is discarded.

Recommended Action  No action is required.

Message  STP-2-RECV_PVID_ERR: Received BPDU with inconsistent peer vlan id [dec] on [chars] [chars].

Explanation  The listed interface received a SSTP BPDU that is tagged with a VLAN id that does not match the VLAN id on which the BPDU was received. This occurs when the native VLAN is not consistently configured on both ends of a 802.1Q trunk.

Recommended Action  Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.
Message  STP-2-ROOTGUARD_BLOCK: Root guard blocking port [chars] on [chars].

Explanation  A BPDU was received on the listed interface which advertizes a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as root guard inconsistent in order to prevent a suboptimal spanning tree topology to form.

Recommended Action  Issue the <CmdBold>

Message  STP-2-ROOTGUARD_CONFIG_CHANGE: Root guard [chars] on port [chars].

Explanation  The spanning tree root guard configuration for the listed interface has been changed. If enabled, any BPDU received on this interface which advertizes a superior spanning tree root bridge to that already in use will cause the interface to be put into blocking state and marked as root guard inconsistent.

Recommended Action  Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

Message  STP-2-ROOTGUARD_UNBLOCK: Root guard unblocking port [chars] on [chars].

Explanation  The listed interface is no longer receiving BPDUs advertising a superior root bridge. The root guard inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-SET_PORT_STATE_FAIL: Port state change req to PIXM failed, status = [hex] [[chars]] vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr_token [hex]

Explanation  The port set port state has failed. check port

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-SET_PORT_STATE_TIMEOUT: Port state change req to PIXM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr_token [hex]

Explanation  The port set port state has timedout. check port

Recommended Action  LOG_STD_NO_ACTION

Message  STP-2-STP_INIT: STP initialization of [chars] [chars]

Explanation  STP initialization failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Explanation**  The Port VLAN ID and/or Port Type inconsistencies have been resolved and spanning tree will now unblock the listed interface of the listed spanning tree instance as appropriate.

**Recommended Action**  LOG_STD_NO_ACTION

**Message**  STP-2-VLAN_PORT_LIMIT_EXCEEDED: The number of vlan-port instances exceeded [[chars] mode] recommended limit of [dec]

**Explanation**  The total number of individual VLAN ports, in the spanning tree mode specified in the Message, has exceeded the limit specified in the Message. VLANs can be counted more than once; if VLAN 1 is carried on 10 interfaces, it will count as 10 VLAN ports. Note that bundling is ignored for purposes of this count; if 8 interfaces on the same module are in one bundle, and the port channel is carrying VLAN 1, it will count as 1 VLAN ports.

**Recommended Action**  Reduce the number of trunks and VLANs configured in the switch. Keep the VLAN port count below the recommended limit specified in the configuration documentation. Enter the <CmdBold>

**Message**  STP-2-VPC_PEERSWITCH_CONFIG_DISABLED: vPC peer-switch configuration is disabled. Please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Explanation**  The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree bridge priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action**  Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.
Message STP-2-VPC_PEERSWITCH_CONFIG_ENABLED: vPC peer-switch configuration is enabled. Please make sure to configure spanning tree bridge priority as per recommended guidelines to make vPC peer-switch operational.

Explanation The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree bridge priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

Recommended Action Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

Message STP-2-VPC_PEER_LINK_INCONSIST_BLOCK: vPC peer-link detected [chars] blocking [chars] [chars].

Explanation VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the interface was moved to the spanning tree Blocking state.

Recommended Action LOG_STD_NO_ACTION

Message STP-2-VPC_PEER_LINK_INCONSIST_ERRDISABLE: vPC Peer-link detected [chars]. Disabling [chars].

Explanation VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the vPC Peer-link was administratively shut down.

Recommended Action Please resolve the inconsistency reported in this message on the vPC Peer link. After the conflict has been resolved, re-enable the interface by entering the <CmdBold>

Message STP-2-VPC_PEER_LINK_INCONSIST_UNBLOCK: vPC peer-link inconsistency cleared unblocking [chars] [chars].

Explanation VPC Peer-link inconsistency is cleared and the vPC interface listed in the message has been restored to normal spanning tree state.

Recommended Action LOG_STD_NO_ACTION

STP-3

Message STP-3-BLOCK_PORT_TYPE: Blocking [chars] on [chars]. Inconsistent port type.

Explanation The listed interface is being held in spanning tree blocking state until the port type inconsistency is resolved.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.
**Message**  STP-3-PORT_SELFLOOPED: Received BPDU src mac same as that of port. Port self loopback detected. Port [chars] being disabled

**Explanation**  The source MAC address contained in a BPDU received on the listed interface matches the MAC address assigned to that interface. This indicates the possibility that a port is looped back to itself, possibly due to a diagnostic cable being plugged in. The interface will be administratively shutdown.

**Recommended Action**  Check the interface configuration and any cable plugged into the interface. Once problem resolved, re-enable interface by doing a no shutdown in the interface configuration. Copy the Message as it is printed and also copy the output of a show interface for the interface listed in the Message.

**Message**  STP-3-RECV_1Q_NON_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].

**Explanation**  A SSTP BPDU was received on the listed interface that was not operationally a trunk.

**Recommended Action**  Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (none, ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

**STP-4**

**Message**  STP-4-FORWARDTIME_CONFIGCHANGE: Forward Delay time change to [dec] seconds for instance [chars] is not recommended as it can cause STP data loops during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation**  It is strongly recommended to avoid changing forward delay time value to less than the default value of 15 seconds since it can cause STP data loops during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action**  Please change the forward delay time to be greater than or equal to the default value of 15 seconds

**Message**  STP-4-HELLOTIME_CONFIGCHANGE: Hello time change to [dec] seconds for instance [chars] is not recommended as it can trigger STP Topology Changes during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation**  It is strongly recommended to avoid changing Hello time value to less than the default value of 2 seconds since it can trigger STP Topology change during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action**  Please change the hello time to be greater than or equal to the default value of 2 seconds.
**Message**  STP-4-MAC_ADDR_FLUSH_REQ_TIMEOUT: MAC Address Flush req to L2FM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars], opcode [chars], msg id ([dec]), rr_token [hex]

**Explanation**  The MAC Address Flush Request to L2FM has timedout. check port

**Recommended Action**  LOG_STD_NO_ACTION

**STP-6**

**Message**  STP-6-FIRST_BPDU_TX: First BPDU transmitted

**Explanation**  First BPDU transmitted.

**Recommended Action**  No action is required.

**Message**  STP-6-MST_DIGEST: MST digest changed to [chars], pre-std digest changed to [chars]

**Explanation**  MST Region configuration has changed

**Recommended Action**  LOG_STD_NO_ACTION

**Message**  STP-6-MST_PORT_BOUNDARY: Port [chars] [chars] as MST Boundary port

**Explanation**  MST Boundary port status of the specified port is changed

**Recommended Action**  LOG_STD_NO_ACTION

**Message**  STP-6-MST_PORT_PRE_STANDARD: Port [chars] [chars] as MST Pre-standard port.

**Explanation**  MST pre-standard status of the specified port is changed

**Recommended Action**  LOG_STD_NO_ACTION

**Message**  STP-6-PORT_ADDED: Interface [chars], added to [chars] with role [chars], state [chars], cost [dec], priority [dec], link-type [chars]

**Explanation**  This spanning tree port has been added

**Recommended Action**  LOG_STD_NO_ACTION

**Message**  STP-6-PORT_COST: Port [chars] instance [chars] cost changed to [dec]

**Explanation**  The spanning tree port cost has changed for the specified port

**Recommended Action**  LOG_STD_NO_ACTION
Message  STP-6-PORT_DELETED: Interface [chars], removed from [chars]

Explanation This spanning tree port has been deleted

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_LINK_TYPE: Port [chars] instance [chars] link changed to [chars]

Explanation The spanning tree port link type has changed for the specified port

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_PRIORITY: Port [chars] instance [chars] priority changed to [dec]

Explanation The spanning tree port priority has changed for the specified port

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_RANGE_ADDED: Interface [chars] added to [chars] with cost [dec], priority [dec], link-type [chars]

Explanation This spanning tree port has been added

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_RANGE_DELETED: Interface [chars] removed from [chars]

Explanation This range spanning tree logical ports has been deleted

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_RANGE_ROLE: new_role= [chars] interface= [chars] [chars]

Explanation The role of the range of spanning tree logical ports has changed

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_RANGE_STATE: new_state= [chars] interface= [chars] [chars]

Explanation The range of Spanning-Tree logical ports have changed state.

Recommended Action  LOG_STD_NO_ACTION
Message  STP-6-PORT_ROLE: Port [chars] instance [chars] role changed to [chars]

Explanation  The spanning tree port role has changed for the specified port

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PORT_STATE: Port [chars] instance [chars] moving from [chars] to [chars]

Explanation  The Spanning-Tree port has changed state.

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-PRESTD_NEIGH: This switch has received a pre-standard MST BPDU on port [chars]: Invoking pre-standard MST BPDU transmission on this port.

Explanation  The switch has received a pre-standard MST BPDU on a port. The switch will automatically adjust its mode of operation on this port and will start sending pre-standard BPDUs.

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-ROOT: Root bridge for [chars] changed to [chars]

Explanation  The spanning tree root bridge has changed

Recommended Action  LOG_STD_NO_ACTION

Message  STP-6-SERVICE_UP: Initialized [chars]

Explanation  STP line 2.

Recommended Action  No action is required.

Message  STP-6-STATE_CREATED: Internal state created [chars]

Explanation  STP has created its internal state stateless/stateful [chars].

Recommended Action  No action is required.

SVC_BATTERY Messages

This section contains the SVC_BATTERY messages.
### SVC_BATTERY-SLOT#-2

**Message**  
SVC_BATTERY-SLOT#-2-BATTERY_NOT_OPERATIONAL: Battery [dec] temperature [dec] C is outside the operational range (-10C to 65C).

**Explanation**  
The battery temperature is outside the operational range (-10C to 65C).

**Recommended Action**  
Verify fan operation with [show environment fan], and take action to cool down the switch.

**Message**  
SVC_BATTERY-SLOT#-2-BATTERY_NOT_PRESENT: Battery [dec] is not present.

**Explanation**  
The line card does not have sufficient number of batteries. Two batteries are needed.

**Recommended Action**  
Remove the line card and plug in batteries in the battery slots that are empty.

**Message**  
SVC_BATTERY-SLOT#-2-CHARGING_DISABLED: Temperature outside permitted range for battery charging (5C-40C).

**Explanation**  
The temperature of the linecard is not within the range to permit battery charging.

**Recommended Action**  
Make sure the temperature of the linecard is between 5C and 40C.

**Message**  
SVC_BATTERY-SLOT#-2-CHARGING_FAILURE: Charging failure in battery [dec] ([hex]).

**Explanation**  
The module encountered failures while charging a battery.

**Recommended Action**  
Replace the battery.

**Message**  
SVC_BATTERY-SLOT#-2-CLOCK_INCORRECT: System clock is running behind, battery conditioning will be affected.

**Explanation**  
The Vegas system clock is running behind the actual time. This will affect the battery conditioning.

**Recommended Action**  
Use clock set CLI command to set the correct time.

**Message**  
SVC_BATTERY-SLOT#-2-COMMUNICATION_FAILURE: Communication failure with battery [dec].

**Explanation**  
The module encountered failures while communicating with a battery.

**Recommended Action**  
Replace the battery.
Message SVC_BATTERY-SLOT#-2-CONDITIONING_DISABLED: Temperature outside permitted range for battery conditioning (5C-40C).

Explanation The temperature of the linecard is not within the range to permit battery conditioning.

Recommended Action Make sure the temperature of the linecard is between 5C and 40C

Message SVC_BATTERY-SLOT#-2-DISCHARGING_FAILURE: Discharging failure in battery [dec] ([hex]).

Explanation The module encountered failures while discharging a battery.

Recommended Action Replace the battery.

SVC_BATTERY-SLOT#-4

Message SVC_BATTERY-SLOT#-4-BATTERY_CAPACITY_LOW: Battery capacity is below the required threshold.

Explanation The battery is lower than the required threshold.

Recommended Action Make sure the temperature is within the range to allow charging.

SVC_BATTERY-SLOT#-6

Message SVC_BATTERY-SLOT#-6-BATTERY_CAPACITY_OK: Battery capacity is above the required threshold.

Explanation The battery is above the required threshold.

Recommended Action No action is required.


Explanation The temperature of the linecard is not within the range to permit battery conditioning.

Recommended Action Make sure the temperature of the linecard is between 5C and 40C


Explanation Conditioning process started for a battery is completed successfully.

Recommended Action No action is required.

Explanation  Conditioning process for a battery is resumed.

Recommended Action  No action is required.


Explanation  Conditioning process started for a battery

Recommended Action  No action is required.

SVC Messages

This section contains the SVC messages.

SVC-0

Message  SVC-0-NODE_EMERG_MSG: [chars]

Explanation  Syslog message from a SVC interface node

Recommended Action  No action is required.

SVC-1

Message  SVC-1-NODE_ALERT_MSG: [chars]

Explanation  Syslog message from a SVC interface node

Recommended Action  No action is required.

SVC-2

Message  SVC-2-NODE_CRIT_MSG: [chars]

Explanation  Syslog message from a SVC interface node

Recommended Action  No action is required.
Message SVC-2-SVC_SYSLOG_INIT_FAILED: Initialization failed for SVC: [chars],
Reason: [hex]

Explanation Initialization failed for SVC

Recommended Action No action is required.

Message SVC-2-SVC_SYSLOG_NO_PORT_CHAN: Too many PortChannels allocated by user for interface [chars]

Explanation SVC interface needs PortChannels to operate. Too many PortChannels have been allocated by the user for the interface to operate correctly.

Recommended Action Please delete unneeded user configured PortChannels and shutdown the SVC interface. Once complete, please bring the SVC interface back up.

Message SVC-2-SVC_SYSLOG_PATH_FAILURE: System health detected SVC packet path failure for [chars].

Explanation The CSM has been brought down by the System Health monitor. System Health has detected a failure in the packet path between the SVC interface on the CSM and the backplane. This System Health test is run periodically.

Recommended Action Issue a “no shutdown” on the SVC interface to bring the node back online. If a subsequent packet path failure occurs, the CSM module should be replaced.

Message SVC-2-SVC_SYSLOG_URIFS_FAILURE: [chars] is unreachable for reason: [chars]

Explanation SVC interface modflash is not accessible. Modflash is the name of the filesystem local to the SVC interface, and is typically used for core dumps and temporary file transfers.

Recommended Action Please shutdown and bring up the SVC interface in question to regain access to the modflash filesystem.

SVC-3

Message SVC-3-NODE_ERR_MSG: [chars]

Explanation Syslog message from a SVC interface node

Recommended Action No action is required.
Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_ACTIVATE_CLUSTER_IP_FAILED) Activate cluster IP failed [chars]

Explanation  Unable to activate the cluster IP for the config node. It will not be possible to execute configuration commands.

Recommended Action  1. Shutting the interfaces of the node will force this node out of the cluster and cause another node to become the config node, which should restore the ability to execute configuration commands. 2. If the error persists, re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_BATT_FAILURE) Battery Failed [chars]

Explanation  The battery module on the Caching Services Module has failed. The nodes on the CSM will have shutdown. Other log entries may accompany this error.

Recommended Action  Reload the Caching Services Module. If the error persists, replace the Caching Services Module.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_DISK_FAILURE) Internal Disk Drive Failed [chars]

Explanation  The internal disk drive for the node on the Caching Services Module has failed. The node will have shutdown. Other log entries may accompany this error.

Recommended Action  Reload the Caching Services Module. If the error persists, replace the Caching Services Module.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_DUMP_RESTORE_FAILED) Restore of hardened data failed [chars]

Explanation  Restore of customer data failed. This error will be accompanied by other log entries.

Recommended Action  Examine the log for other error entries and follow the actions recommended. If no other entries are found: 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_INVALID_BATT_CAPACITY)
Get battery capacity failed [chars]

Explanation   The process was unable to get the battery capacity. Possibly due to communication failures with the CPP processor in the line card. Node was rebooted due to this error.

Recommended Action   If this error is repeated continuously, 1. Re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error persists, replace the Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_EID_EC_ER_OPEN_COMMITTED_FILE_FAILED) Error attempting to open file [chars]

Explanation   Process was unable to open the committed file. Node was rebooted due to this error.

Recommended Action   If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_EID_EC_ER_SET_BATT_THRESHOLD_FAILED) Set battery threshold failed [chars]

Explanation   The process was unable to set the battery threshold. Possibly due to fatal communication failures with the power management module in the line card or the power management module has crashed. Node was rebooted due to this error.

Recommended Action   If this error is repeated continuously, 1. Re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error persists, replace the Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_EID_IC_EV_NODE_DISENFRANCHISED) Node missing [chars]

Explanation   A node is missing from the cluster.

Recommended Action   1. If it is not obvious which node in the cluster has failed, check the status of the nodes and find the node with a status of offline. 2. Repair the failing node. 3. When the repair has been completed, this error will automatically be marked as fixed. 4. Check the node status. If all the nodes in the cluster are now online, but the error in the log has not been marked as fixed, manually mark the error as fixed.
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_CLUSTER_PATH_FAILURE)
Cluster path failure [chars]

Explanation A cluster path has failed. The node is unable communicate with all the other nodes in the cluster.

Recommended Action 1. Repair the fibre-channel network fabric. 2. Check the status of the node port. If the status of the port shows as online, mark the error you have just repaired as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_CPU_QUANTITY)
Processor change detected [chars]

Explanation The Caching Services Module is failing.

Recommended Action 1. Replace the Caching Services Module. 2. Check node status. If all nodes show a status of online, mark the error you have just repaired fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_DISK_FULL) Node hard disk full [chars]

Explanation The error that is logged in the cluster error log indicates a software problem in the cluster.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Delete files from the /dumps directory. 3. Run a configuration dump and a logged data dump. Save the dump data. 4. Ask IBM Product Support for assistance. 5. Mark the error you have just repaired as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_FC_ADAP_FAIL) Logical Fibre Channel port reported failed [chars]

Explanation No active/functioning logical FC port was detected by the software.

Recommended Action Reload the node. If the problem persists, replace the Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_FC_ADAP_QUANTITY) Logical Fibre Channel port missing [chars]

Explanation No active/functioning FC port was detected by the software.

Recommended Action Reload the node. If the problem persists, replace the Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_FC_PORT_QUANTITY) Logical Fibre Channel port reported not operational [chars]

Explanation No active/functioning logical FC port was detected by the software.

Recommended Action Reload the node. If the problem persists, replace the Caching Services Module.
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_NODE_WARMSTART) Node warmstarted due to software error [chars]

Explanation The error that is logged in the cluster error log indicates a software problem in the cluster.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_POWER_DOMAIN) Power domain error [chars]

Explanation The two nodes in an IO group are on the same Caching Services Module.

Recommended Action Determine what the configuration should be. Remove one of the nodes and add a node to the IO group which is not on the same Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VG_ER_MDISK_GROUP_OFFLINE) A Managed Disk group is offline [chars]

Explanation An Mdisk group is offline.

Recommended Action 1. Repair the enclosure or disk controller. 2. Start a cluster discovery operation. 3. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VG_ER_MED_ERRS_TOO_HIGH) Media errors on back-end Managed Disk [chars]

Explanation Media errors on backend managed disk.

Recommended Action 1. Repair the enclosure or disk controller. 2. Include the managed disk into the cluster. 3. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_BASE_EVENT_RESOURCE_RAN_OUT) Software error [chars]

Explanation The error that is logged in the cluster error log indicates a software problem in the cluster.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_CONTROLLER_CONFIG_INVALID) Incorrect controller configuration.

Explanation Incorrect disk controller configuration.

Recommended Action 1. Using service documentation for the disk controller, check that the correct configuration is set up for the disk controller. See also the IBM Total Storage SAN Volume Controller for Cisco MDS 9000: Configuration Guide. 2. Mark the error you have just repaired as fixed. 3. Start a cluster discovery operation.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_DEVICE_PORT_LOGIN_LOSS) Number of controller logins reduced.

Explanation The number of controller logins has been reduced. One possible cause is that the user intentionally reconfigured the system.

Recommended Action 1. Check whether the controller has regained connectivity. If it has not, check the cable connection to the remote-device port. 2. If all logins to a remote-device port have failed and you cannot solve the problem by changing cables, check the condition of the remote-device port and the condition of the remote device. 3. Start a cluster discovery operation. 4. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_DEVICE_RESOURCE_RAN_OUT) Too many controllers were presented to the cluster.

Explanation The configuration is not valid. Too many devices have been presented to the cluster or node.

Recommended Action 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.


Explanation A managed disk error recovery procedure (ERP) has occurred. This error has been reported because a large number of disk error recovery procedures have been performed by the disk controller. The problem is probably caused by a failure of some other component on the SAN.

Recommended Action 1. View the error log entry and determine the managed disk that was being accessed when the problem was detected. (Note that the sense data from the disk controller is recorded in the cluster error log and can be accessed there. This data is not available in the switch system log.) 2. Perform the disk controller problem determination and repair procedures for the mdisk determined in step 1. 3. Perform fibre channel switch problem determination and repair procedures for the fibre channel switches containing the node, and connected to the disk controller that is managing the mdisk, and any fibre channel switches in the fibre channel path between those switches. 4. If any problems are found and resolved in steps 2 and 3, mark this error as fixed. 5. If no switch or disk controller failures were found in steps 2 and 3, take an error log dump. Call your hardware support center.
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_IO_ERROR) Managed Disk I/O error [chars]

Explanation A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

Recommended Action 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If any managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_IO_THRESHOLD) Managed Disk error count threshold exceeded [chars]

Explanation A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

Recommended Action 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If any managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_IO_TIMEOUT_OVERALL) Timeout due to excessive processing time [chars]

Explanation A managed disk has timed out. This error has been reported because a large number of disk timeout conditions have been detected. The problem is probably caused by a failure of some other component on the SAN.

Recommended Action 1. Repair problems on all disk controllers and switches on the same SAN as this cluster. 2. If problems are found, mark this error as fixed. 3. If no switch or disk controller failures can be found, take an error log dump and call your hardware support center.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_LOCAL_PORT_EXCLUDED) Local FC port excluded [chars]

Explanation A local fibre-channel port has been excluded.

Recommended Action 1. Repair the fibre-channel network fabric. 2. Check the status of the disk controller. If all disk controllers 3. show good status, mark the error you have just repaired fixed. 4. If the error persists and no other cause can be determined, replace the Caching Services Module.
Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_LOGIN_EXCLUDED) Login excluded [chars]

Explanation  Login has been excluded.

Recommended Action  1. In the sequence shown, exchange the FRUs for new FRUs: Fibre Channel cable, switch to remote port. 2. Start a cluster discovery operation to recover the login. 3. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired fixed. 4. If the error persists and no other cause can be determined, replace the Caching Services Module.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_LUN_RESOURCE_RAN_OUT) Too many LUNs were presented to a node [chars]

Explanation  The configuration is not valid. Too many devices have been presented to the cluster or node.

Recommended Action  1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_MDISK_ACCESS_INVALID) Access beyond end of disk, or Managed Disk missing [chars]

Explanation  The error that is logged in the cluster error log indicates a software problem either in the cluster, or in a disk enclosure or disk controller that is connected to the node.

Recommended Action  1. Ensure that the software is at the latest level on the cluster and on the disk controllers. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_MDISK_DEVICE_PORT_EXCLUDED) Remote Port excluded for a specific Managed Disk and Node [chars]

Explanation  A remote fibre-channel port has been excluded.

Recommended Action  1. View the error log. Note the Mdisk ID associated with the error code. 2. Using the Mdisk ID, determine the failing disk controller. 3. Refer to the service documentation for the disk enclosure or disk controller and the fibre-channel network fabric to resolve the reported problem. 4. Start a cluster discovery operation to recover the excluded fibre-channel port. 5. Include the managed disk that you noted in step 1. 6. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired fixed. 7. If all disk controllers do not show a good status, contact the IBM support center to resolve the problem with the disk controller.
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_MDISK_EXCLUDED) Managed Disk excluded due to excessive errors, or all device ports excluded

Explanation A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

Recommended Action 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If all managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_MDISK_INITIALISE_INVALID) Invalid blocksize, capacity or LUN identity has changed during Managed Disk initialisation

Explanation Access beyond end of disk. The initialization of the managed disk has failed.

Recommended Action 1. Check the status of the managed disk and of the managed-disk group. 2. Include the managed disk into the cluster. 3. Check the managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed. 4. If not all managed disks show a status of online, check the status of the disk controller.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_MDISK_RESOURCE_RAN_OUT) Too many Managed Disks were presented to the cluster

Explanation The configuration is not valid. Too many devices have been presented to the cluster or node.

Recommended Action 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_QUORUM_DISK_CREATION_FAILURE) A suitable Managed Disk for use as a Quorum Disk was not found

Explanation No Mdisk is suitable for use as a quorum disk. When a cluster is created three disks are automatically selected as quorum disks. A quorum disk is needed to enable a tie-break when some cluster members are missing. To become a quorum disk: The Mdisk must be accessible by all nodes in the cluster and the Mdisk must have free extents. This error code is produced when at least one quorum disk is not accessible by all nodes in the cluster. A quorum disk might not be available because of a fibre-channel network failure or because of a fibre-channel switch zoning problem.

Recommended Action 1. Resolve any known fibre-channel network problems. 2. Ask the customer to confirm that Mdisks have been created and that those Mdisks have free extents. 3. List the managed disks. If at least one managed disk shows a mode of managed, mark the error you have just repaired as fixed. 4. If the customer is unable to make the appropriate changes, ask IBM Software Support for assistance.
Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_EID_VL_ER_QUORUM_DISK_NOTAVAILABLE) Quorum Disk not available [chars]

Explanation  One or more quorum disks were not discovered by the node.

Recommended Action  1. Resolve any known fibre-channel network problems. 2. Check managed disk status. If any managed disks are offline or excluded perform the disk controller problem determination and repair procedures for the managed disks. 3. Start a cluster discovery operation. 4. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ALL_SSH_KEYS_REMOVED)
Attempt to delete SSH keys (no effect) [chars]

Explanation  'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action  None

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_ERR_CFG_REMOTE_CREATEPARTNERSHIP) Remote Copy partnership created [chars]

Explanation  'svc task mk partnership' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_ERR_CFG_REMOTE_DELETEPARTNERSHIP) Remote Copy partnership deleted [chars]

Explanation  'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action  None

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec]
SS_ERR_CFG_REMOTE_MODIFYPARTNERSHIP) Remote Copy partnership modified [chars]

Explanation  'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action  None

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_ERR_CFG_SSH_KEY_ADDED) Attempt to add SSH key (no effect) [chars]

Explanation  'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action  None
Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_ERR_CFG_SSH_KEY_REMOVED) Attempt to delete SSH key (no effect)

Explanation 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action None

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_CR_START) Cluster recovery required

Explanation The node has detected that cluster recovery is required and is waiting for human intervention to continue.

Recommended Action Contact IBM Product support for assistance.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_DATA_CORRUPT) Node data corrupted - node rejected from cluster

Explanation Node data is readable but corrupted. The node has been rejected from the cluster.

Recommended Action 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_DATA_UNREADABLE) Node data unreadable - node rejected from cluster

Explanation Node data could not be read. The node has been rejected from the cluster.

Recommended Action 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

Message SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_HDW_CONFIG) Processor not valid

Explanation The node has detected unexpected differences in the processor vital data.

Recommended Action Reload the node. If the problem persists, replace the Caching Services Module.
Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_MEM_SIZE) Memory size error [chars]

Explanation  The detected memory size does not match the expected memory size for the cluster.

Recommended Action  A memory module on the Cisco MDS 9000 Caching Services Module is probably faulty. Reload the node. If the error persists, replace the Caching Services Module.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_MISSING_RES) Unable to form a cluster due to lack of cluster resources [chars]

Explanation  The node is unable to locate sufficient other nodes in the cluster and/or the quorum disk controller needed in order to form a cluster.

Recommended Action  Check the status of the quorum disk controller and the other nodes in the cluster. If the quorum disk has failed, perform the problem determination procedures for the disk controller. Otherwise perform problem determination on the missing nodes and network.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_NO_FABRIC) The node is unable to see the FC fabric [chars]

Explanation  No active/functioning logical FC port was detected by the software.

Recommended Action  Reload the node. If the problem persists, replace the Caching Services Module.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_PWR_DMN_ERR) Power domain error [chars]

Explanation  The two nodes in an IO group are on the same Caching Services Module.

Recommended Action  Determine if both nodes on the Caching Services Module are in fact in the same IO group. If so, determine what the configuration should be. Remove one of the nodes and add a node to the IO group which is not on the same Caching Services Module. If not, ask IBM Product Support for assistance.

Message  SVC-3-NODE_ERR_MSG: (SVC [dec]/[dec] SS_NODERR_REPEATED_ASSERTS) Node repeatedly crashing due to a software fault [chars]

Explanation  The number of software faults has exceeded the maximum allowed for the time period.

Recommended Action  1. Delete the node from the cluster. 2. Try to add the node back into the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.
**SVC-3-NODE_ERR_MSG:** (SVC [dec]/[dec] SS_NODEERR_RESET_AND_REJECT) Node data not found - node rejected from cluster [chars]

**Explanation**  Node data was not found. The node has been rejected from the cluster.

**Recommended Action**  Examine error logs to determine if another recorded error caused the loss of the node data and, if so, follow the actions for that error. If no other error was recorded, the node may have lost power without saving data or been reset. Attempt to determine the cause of the power loss or reset. If no cause can be determined, then: 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**SVC-3-SVC_SYSLOG_IF_INTERNAL_ERROR:** Interface [chars] internal error: [chars]

**Explanation**  SVC interface internal error

**Recommended Action**  No action is required.

**SVC-3-SVC_SYSLOG_LC_INTERNAL_ERROR:** Unable to send MTS to linecard in slot [dec]: [chars]

**Explanation**  Linecard MTS failure

**Recommended Action**  No action is required.

**SVC-3-SVC_SYSLOG_NPORT_INTERNAL_ERROR:** [chars] N-port for Interface [chars], vsan [dec] internal error: [chars]

**Explanation**  N-port internal error

**Recommended Action**  No action is required.

**SVC-4**

**SVC-4-NODE_WARNING_MSG:** [chars]

**Explanation**  Syslog message from a SVC interface node

**Recommended Action**  No action is required.
Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_CA_EV_FIRST_DATA_PINNED) Customer data pinned [chars]

Explanation There is now pinned customer data. This warning is given when data is pinned and there was not already pinned data. Error log entries will exist for the under lying cause of the pinned data.'

Recommended Action Perform problem determination on the error log to determine the cause of the pinned data and correct.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_CA_EV_HWS_TO_SYNCHRONOUS) Cache in write through mode due to pinned data [chars]

Explanation The cache must now operate in write through mode because of the amount of pinned data.

Recommended Action Perform problem determination on the error log to determine the cause of the pinned data and correct.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_BC_ER_BATT_BELOW_CAPACITY) Battery is below threshold capacity [chars]

Explanation Battery capacity is below threshold. The node will remain offline until the battery charge is sufficient to come up.

Recommended Action Wait for the battery to recharge. This may take many hours. If after several hours have passed and the node has not yet come up: 1. Reload the node. 2. If the error persists, re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 3. If the error persists, replace the Caching Services Module.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_BC_ER_CANNOT_OPEN_IO_PROCESS_Q) Internal error - IO process queue [chars]

Explanation The process was unable to open the needed message queue. Node was rebooted due to this error.

Recommended Action If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_BC_ER_DEACTIVATE_CLUSTER_IP_FAILED) Deactivate cluster IP failed [chars]

Explanation Unable to deactivate the cluster IP for the config node. The cluster IP should be deactivated by other checks. If that is not the case it may not be possible to execute configuration commands.

Recommended Action If there is a problem executing configuration commands: 1. Shutting the interfaces of the node will force this node out of the cluster and should cause the switch to deactivate the IP address associated with this node which should restore the ability to execute configuration commands. 2. If the error persists, re-install the code on the node. The node will then have to be
removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message**  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_DUMP_METADATA_FAILED) Node assert dump failed [chars]

**Explanation**  A failure occurred writing out a node assert dump. Other log entries may accompany this error.

**Recommended Action**  An initial error will have caused the node assert dump. Examine the log for that error and follow the recommended actions for that error. In addition examine the log for errors related to the internal disk drive. If found, follow the recommended actions. If no entries explain the failure to write the dump: 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message**  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_EXECVE_FAILED) Internal error - program launch [chars]

**Explanation**  The process was unable to launch the IO program. Node was rebooted due to this error.

**Recommended Action**  If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message**  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_FORK_FAILED) Internal error - fork failed [chars]

**Explanation**  The process was unable to launch the IO program. Node was rebooted due to this error.

**Recommended Action**  If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message**  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_INTERNAL_EXIT_LOGIC_ERR) Internal error - bad exit code [chars]

**Explanation**  Node was warmstarted due to internal logic error.

**Recommended Action**  1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.
Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_BC_ER_INTERNAL_UNKNOWN_EXEC_MODE) Internal error - run mode [chars]

Explanation Node was rebooted due to internal logic error.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_BC_ER_IOP_EXITED_DUE_TO_SIGNAL) Internal error - signal caused exit [chars]

Explanation The IO process exited because of a signal which was not caught. Node was warmstarted due to this error.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_BC_ER_IOP_STOPPED_DUE_TO_SIGNAL) Internal error - signal caused stop [chars]

Explanation The IO process stopped because of a signal received. Node was warmstarted due to this error.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_BC_ER_IOP_TERMINATED_ABNORMALLY) Internal error - abnormal exit [chars]

Explanation The IO process exited abnormally. Node was warmstarted due to this error.

Recommended Action 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_BC_ER_OPEN_MSG_QUEUE_FAILED) Internal error - message queue [chars]

Explanation The process was unable to open the needed message queue. Node was rebooted due to this error.

Recommended Action If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.
Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_PTHREAD_CREATE_FAILED) Internal error - threads [chars]

Explanation  The process was unable to create the needed threads. Node was rebooted due to this error.

Recommended Action  If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_UNKNOWN_MESSAGE_TYPE) Internal error - message type [chars]

Explanation  Node was rebooted due to internal logic error.

Recommended Action  1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_WAITPID_FAILED) Internal error - waitpid failed [chars]

Explanation  The process was unable to launch the IO program properly. Node was warmstarted due to this error.

Recommended Action  If this error is repeated continuously, 1. Reload the node. 2. If the error persists, re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_WARMSTART_MEMORY_FAILED) Internal error - warmstart memory device [chars]

Explanation  The process was unable to warmstart the memory device. Node was rebooted due to this error.

Recommended Action  If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.
Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_FC_ER_MAPPING_STOPPED)
FlashCopy has been stopped [chars]

Explanation A Flash Copy mapping task has been stopped because of an error. A stopped flash copy 
may affect the status of other VDisks in the same I/O group. Preparing the stopped flash copies as 
soon as possible is advised.

Recommended Action 1. Correct higher priority errors. Then, ask the customer to prepare and start 
the Flash Copy task again. 2. Mark the error you have just repaired as fixed.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_FC_ER_PREPARE_FAILED)
FlashCopy prepare failed due to cache flush failure [chars]

Explanation A Flash Copy prepare task has failed because a cache flush has failed.

Recommended Action 1. Correct higher priority errors, then retry the prepare tasks. 2. Mark the error 
you have just repaired as fixed.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_FC_ER_STOP_COMPLETED)
Flash Copy Stopped [chars]

Explanation The Flash Copy mapping or consistency group has entered the STOPPED state as a 
result of a user request to stop.

Recommended Action None

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_IC_ER_DIRECTORY_LIST_FAILED) Failed to obtain directory listing from 
remote node [chars]

Explanation An attempt to clean or retrieve files from /dumps directory has failed because of a 
failure to get listing of the directory from the remote node.

Recommended Action Determine if the remote node is still online. If not, perform problem 
determination on the remote node. If it is, retry the command. If it still fails contact the IBM Support 
Center for assistance. Cisco CLI commands may be used to access the node directly as an 
alternative.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_IC_ER_FEATURISATION_VIOLATION) Featurisation violation [chars]

Explanation The user has allocated more visualized storage than licensed for or established a Flash 
Copy mapping or Remote Copy relationship when these have not been licensed.

Recommended Action Look in the featurisation log for log entries of type Error to determine the type 
of violation. The user then should neither reduce visualized storage, remove the Flash Copy 
mapping or Remote Copy relationship, so as to be in compliance with their license; or update the 
license information if that is incorrect; or arrange with their IBM representative to purchase a license 
for the desired features.'
Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_IC_ER_TRANSFER_FILE_FAILED) Failed to transfer file from remote node [chars]

Explanation  An attempt to retrieve a file from /dumps directory has failed.

Recommended Action  Determine if the remote node is still online. If not, perform problem
determination on the remote node. If it is, retry the command. If it still fails contact the IBM Support
Center for assistance. Cisco CLI commands may be used to access the node directly as an
alternative.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_IC_EV_IOGRP_NONE_OK)
Both nodes in the IO group are not available [chars]

Explanation  Following node remove by the user, there are no nodes left in the IO group.

Recommended Action  None

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_IC_EV_UPGRADE_NODE_PENDED) Software upgrade process failed [chars]

Explanation  A software upgrade has failed. This might be because of a hardware error or it might
be because of a failure in the new version of the software. An automatic software downgr 
date is performed to restore the nodes to their previous software version. This will be indicated in the log
by a Software down grade complete' entry. If the down grade operation fails to down grade a node,
for example because it is offline, the down load operation will stop and wait for the offline SAN
Volume Controller to be repaired or deleted from the cluster. While the down grade operation is in
progress, configuration commands sent to the cluster will fail with a message indicating that a
software upgrade operation is still in progress. The downgrade operation might take up to three
hours.

Recommended Action  1. Display the status of the nodes on the cluster. 2. If any node is offline, delete
the offline node from the cluster. If the delete fails with a message indicating that a software upgrade
is in progress, this means that the downgrade process is still active. Wait for this operation to either
complete or stop on the offline node and then retry the delete. If the downgrade operation had
stopped, it will now continue. 3. Solve all logged hardware problems 4. Ask the user to retry the
software install. 5. If the installation fails again, report the problem to your software support center.
6. Mark the error you have just repaired as fixed.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec]
SS_EID_IC_EV_UPGRADE_PCK_DELIVERY_FAILED) Software install package cannot be
delivered to all nodes [chars]

Explanation  An error occurred while sending the software package to the nodes.

Recommended Action  1. Display the status of the nodes on the cluster. 2. If any node is offline, perform
problem determination on the node and bring the node back online. Or, alternatively, delete
the offline node from the cluster. 3. Retry the software retry the delete. If the downgrade operation
had stopped, it will now continue. 3. Solve upgrade command. 4. If the installation fails again, report
the problem to your software support center.
Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_PLIC_LINK) Connection to a configured remote cluster has been lost [chars]

Explanation  This cluster is no longer able to communicate with the remote copy partner cluster.

Recommended Action  Perform problem determination on the network and the other cluster.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_RC_ER_LSYNC) Remote Copy suffered loss of synchronization [chars]

Explanation  In a remote-copy operation, the relationship has stopped and lost synchronization, for a reason other than a continuous I/O error.

Recommended Action  1. Correct higher priority errors, then restart the remote copy. 2. Mark the error you have just repaired as fixed.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_RC_ER_PERS) Remote Copy suffered persistent error [chars]

Explanation  A Remote Copy relationship has been stopped because of a continuous I/O error.

Recommended Action  1. Correct the higher priority errors, then retry the Remote Copy task. 2. Mark the error you have just repaired as fixed.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_RC_ER_TIMEOUT) Remote Copy retry timeout [chars]

Explanation  Remote Copy was unable to find a path to the device in the remote cluster within the timeout period.

Recommended Action  Perform problem determination on the network and remote cluster: Ensure that all nodes in both clusters are configured in the inter-cluster SAN or VSAN. Ensure that all virtual disks in the remote cluster are online.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VG_ER_COPIED_MEDIUM_ERROR) I/O media error copied [chars]

Explanation  During a copy or a migrate process a media error was copied to the destination disk.

Recommended Action  None

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VG_ER_INSUFFICIENT_VIRTUAL_EXTENTS) Insufficient extents to create Virtual Disk [chars]

Explanation  There are not enough extents contained within the managed disk group to create the required virtual disk. This error can be logged if a migration is started and then a virtual disk is created which uses the extents that were to be used for the migration.

Recommended Action  Add additional managed disks to the managed disk group or reduce the size of virtual disk to be created.
Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VG_ER_MIGRATE_STOPPED)
Migration stopped [chars]

Explanation  The specific migration has been stopped due to errors occurring during migration, these errors have been logged.

Recommended Action  Analyze the error log. Perform problem determination and correct any errors which have occurred. Migrate any specific extents which were not migrated due to the errors.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VG_ER_MIGRATE_SUSPENDED)
Migration suspended [chars]

Explanation  Migration suspended.

Recommended Action  1. Ensure that all error codes of a higher priority have already been fixed. 2. Ask the customer to ensure that all Mdisk groups that are the destination of suspended migrate operations have free extents available. 3. Mark this error as fixed. This will cause the migrate operation to be restarted. If the restart fails a new error will be logged.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_IO_MEDIUM_ERROR) A media error has occurred during I/O to a Managed Disk [chars]

Explanation  A disk I/O medium error has occurred.

Recommended Action  1. Ask the customer to rewrite the bad data to the block LBA reported in the host systems SCSI sense data. Note: If this error has occurred during a migration, the host system will notice the error until the target device is accessed. 2. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_IO_THRESHOLD_WARNING) Managed Disk error count warning threshold met [chars]

Explanation  IOs to the managed disk have experienced sufficient errors to generate this warning. If the managed disk continues to experience IO errors, the managed disk may be excluded.

Recommended Action  Perform problem determination on the affected managed disk.

Message  SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_LUN_DISCOVERY_FAILED) Discovery of LUN failed [chars]

Explanation  The cluster has a connection to the device on the SAN through this node, but the device has not responded to the node in a manner consistent with a functional device LUN.

Recommended Action  If there are device LUNs that should have been discovered by the node: 1) Perform a manual discovery. 2) Perform problem determination on the device.
Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_MDISK_PORT_PREFERENCE_IGNORED) Preferred port is not being used for Managed Disk access [chars]

Explanation The preferred port designated by the back end controller is not being used for Managed Disk access. A port error or excluded port has prevented the use of the preferred port.

Recommended Action Perform problem determination on the controller and network to determine the cause of the port error or exclusion.

Message SVC-4-NODE_WARNING_MSG: (SVC [dec]/[dec] SS_NODERR_CR_FAILED) Cluster recovery failed [chars]

Explanation Cluster recovery has failed and a software dump has been created.

Recommended Action Contact IBM Product support for assistance.

Message SVC-4-SVC_SYSLOG_IF_INTERNAL_WARN: Interface [chars] internal warning: [chars]

Explanation SVC interface internal warning

Recommended Action No action is required.

Message SVC-4-SVC_SYSLOG_NPORT_INTERNAL_WARN: [chars] N-port for Interface [chars], vsan [dec] internal warning: [chars]

Explanation SVC interface internal warning

Recommended Action No action is required.

SVC-5

Message SVC-5-NODE_NOTICE_MSG: [chars]

Explanation Syslog message from a SVC interface node

Recommended Action No action is required.

Message SVC-5-SVC_SYSLOG_IF_CONFIG_DELETED: Interface [chars] configuration was deleted[chars]

Explanation SVC interface configuration was deleted

Recommended Action No action is required.
Message SVC-5-SVC_SYSLOG_IF_DOWN: Interface [chars] is down

Explanation SVC interface is down

Recommended Action No action is required.

Message SVC-5-SVC_SYSLOG_IF_UP: Interface [chars] is up

Explanation SVC interface is up

Recommended Action No action is required.

SVC-6

Message SVC-6-NODE_INFO_MSG: [chars]

Explanation Syslog message from a SVC interface node

Recommended Action No action is required.

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_CA_EV_ALL_DATA_UNPINNED) All data now unpinned [chars]

Explanation All the customer data in the IO group is now unpinned.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_CA_EV_HWS_TOASYNC) Pinned data reduced; cache can operate normally [chars]

Explanation Enough customer data has been unpinned that the cache is no longer required to operate in write through mode because of the pinned data. (Note that the cache may still operate in write through mode for other reasons.)

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_BATT_OK) Battery recharged [chars]

Explanation Battery capacity has been restored to above threshold. The node will now come online.

Recommended Action None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_BATT_POWER_DOWN) Poweroff or power failure detected [chars]

**Explanation**  The process has received a Poweroff or power failure indication. The node is shutting down.

**Recommended Action**  Restore power. If power was not removed and this occurs: 1. Reload the node. 2. If the error persists, re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 3. If the error persists, replace the Caching Services Module.

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_EC_ER_PWR_BUTTON) Power withdrawn [chars]

**Explanation**  Node software was notified that AC power was being shut off or the Caching Services Module was being reset.

**Recommended Action**  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_FC_ER_COPY_COMPLETED) Flash Copy Copied [chars]

**Explanation**  The Flash Copy mapping or consistency group has entered the IDLE_COPIED state. The target disk now contains a complete copy and is no longer dependent on the source.

**Recommended Action**  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_FC_ER_PREPARE_COMPLETED) Flash Copy Prepared [chars]

**Explanation**  The Flash Copy mapping or consistency group has entered the PREPARED state. It is now possible to Start or Stop the mapping/group.

**Recommended Action**  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_IC_EV_CLUSTER_RECOVERY_COMPLETE) Cluster recovery completed [chars]

**Explanation**  Cluster recovery has completed successfully.

**Recommended Action**  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_IC_EV IOGRP_ONE_OK) One node in the IO group is not available [chars]

**Explanation**  Following node remove by the user, there is only one node left in the IO group.

**Recommended Action**  None
**Message**  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_IC_EV_SECURE_DELETE_COMPLETE) Virtual Disk format completed [chars]

**Explanation**  The formatting (writing all zeros) to new extents of the Virtual Disk has completed.

**Recommended Action**  None

**Message**  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_PL_ER_COLDSTART) Node software started [chars]

**Explanation**  The node software has been started (cold start).

**Recommended Action**  None

**Message**  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_RC_ER_COPY_COMP) Remote Copy complete [chars]

**Explanation**  Background copy complete. The standalone relationship or consistency group has transitioned from Inconsistent Copying 'to' Consistent Synchronized. This will only be logged on the cluster of the Primary Virtual Disk(s).

**Recommended Action**  None

**Message**  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_RC_ER_READY_TO_START) Remote Copy ready to start [chars]

**Explanation**  The remote copy relationship or consistency group, which had been previously been stopped due to an error, is ready to be restarted. All resources are now online.

**Recommended Action**  Restart the relationship or consistency group.

**Message**  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_VG_EV_MIGRATE_COMPLETE) Migration complete [chars]

**Explanation**  Migration has completed.

**Recommended Action**  None

**Message**  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_EID_VL_ER_CLUSTER_FABRIC_VIEW_CHANGE) Cluster fabric view has been updated. [chars]

**Explanation**  The node is in the process of discovering devices on the fabric.

**Recommended Action**  None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ADD_MAPPING) Virtual Disk to Host SCSI mapping created [chars]

Explanation  svc task MKY disk host map or equivalent GUI/Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ADD_WWPN) Port added to a Host [chars]

Explanation  svc task add host port or equivalent GUI/Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CHANGE_CLUSTER_TIME) Attempt to change cluster time (no effect) [chars]

Explanation  'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CHANGE_TIMEZONE) Attempt to change time zone (no effect) [chars]

Explanation  'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CLUSTER_DISCOVERY) Manual Managed Disk discovery invoked [chars]

Explanation  'SVC task detect Mdisk' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CLUSTER_DUMP_CONFIG) Cluster config dumped to file [chars]

Explanation  'svc task dump config' or equivalent GUI / Cisco CLI command has been invoked

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CLUSTER_MODIFY) Cluster attributes modified [chars]

Explanation  'svc task chcluster' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CLUSTER_SHUTDOWN) Node or Cluster shutdown [chars]

Explanation  'svc task stop cluster' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CREATE_FC_MAPPING) Flash Copy mapping created [chars]

Explanation  'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_CREATE_HOST) Host created [chars]

Explanation  'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_DELETE_FC_MAPPING) Flash Copy mapping deleted [chars]

Explanation  'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_DELETE_HOST) Hosts deleted [chars]

Explanation  'svc task rm host' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_DELETE_MAPPING) Virtual Disk to Host SCSI mapping deleted [chars]

Explanation  'svc task rm vdisk host map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_DELETE_PORT_HOST_LIST) Ports deleted from a Host [chars]

Explanation  'svc task rm host port' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_DELETE_WPN) Port deleted from a Host [chars]

Explanation  'svc task rm host port' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_DEVICE_SET_NAME) Controller attributes modified [chars]

Explanation  'svc task ch controller' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ERRORLOG_ANALYSE) Error log analyzed [chars]

Explanation  'svc task find err' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ERRORLOG_CLEARLOG) Error log cleared [chars]

Explanation  'svc task clear err log' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ERRORLOG_DUMPLOG) Error log dumped [chars]

Explanation  'svc task dump err log' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_ERRORLOG_FIX) Error log entry marked fixed [chars]

Explanation  'svc task ch err state' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FC_CONSIST_GRP_SET_NAME) Flash Copy consistency group name modified [chars]

Explanation  'svc task ch fc consist grp-name' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None
Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FC_CREATE_CONSIST_GRP) Flash Copy consistency group created [chars]

Explanation 'svc task mk fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FC_DELETE_CONSIST_GRP) Flash Copy consistency group deleted [chars]

Explanation 'svc task rm consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FC_SET_NAME) Flash Copy mapping name modified [chars]

Explanation 'svc task ch fc map-name' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FEATUREISATION_CHANGED) Licensed settings modified [chars]

Explanation 'svc task ch license' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FLASH_PREPARE_CG) Flash Copy consistency group prepared [chars]

Explanation 'svc task per start fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FLASH_START_CG) Flash Copy consistency group started [chars]

Explanation 'svc task start fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_FLASH_STOP_CG) Flash Copy consistency group stopped [chars]

Explanation 'svc task stop fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None
Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_HOST_DELETE) Host deleted [chars]

Explanation 'svc task rm host' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_HOST_SET_NAME) Host attributes modified [chars]

Explanation 'svc task ch host' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_HWS_SET_NAME) IO Group name modified [chars]

Explanation 'svc task ch iogrp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_IO_TRACE_FINISHED) IO Tracing stopped [chars]

Explanation 'svc task stop trace' or equivalent GUI / Cisco CLI command has been invoked, or the trigger occurred for a given Managed Disk, automatically stopping the trace.

Recommended Action Analyses the traces.

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_GRP_ADD_MDISK) Managed Disk added to Managed Disk group [chars]

Explanation svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_GRP_CREATE) Managed Disk Group created [chars]

Explanation svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_GRP_DELETE) Managed Disk Group deleted [chars]

Explanation svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_GRP_DELETE_MDISK) Managed Disk deleted from Managed Disk group [chars]

Explanation  svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_GRP_SET_NAME) Managed Disk Group attributes modified [chars]

Explanation  svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_SET_NAME) Managed Disk attributes modified [chars]

Explanation  svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MDISK_UNSLANDER) Managed Disk online [chars]

Explanation  The managed disk which was excluded is now online.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MIGRATE) Virtual Disk migration to new Managed Disk group started [chars]

Explanation  svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_MODIFY_FC_MAPPING) Flash Copy mapping modified [chars]

Explanation  'svc task ch fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_ADD) Node added [chars]

Explanation  'svc task add node' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None
Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_CREATE_CLUSTER) Cluster created [chars]

Explanation 'cluster add' or equivalent GUI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_DELETE) Node deleted from cluster [chars]

Explanation 'svc task rm node' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_PEND) Node Pend [chars]

Explanation The node has gone into the pending state. It will shortly go into the online or offline state.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_REMOVE) Node leaving cluster (expected) [chars]

Explanation The node has gone offline as expected due to shutdown, upgrade or deletion.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_SET_NAME) Node attributes modified [chars]

Explanation 'svc task ch node' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_SHUTDOWN) Node shutdown [chars]

Explanation 'svc task stop cluster-node' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_NODE_UNPEND) Node Unpend [chars]

Explanation The node has gone online.

Recommended Action None
Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_PLANAR_SN_CHANGE) Attempt to change the Planar Serial Number (no effect) [chars]

Explanation 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_PRETRIGGER_FC_MAPPING) Flash Copy mapping prepared [chars]

Explanation 'svc task pre start fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_QUORUM_CREATE) Quorum disk set [chars]

Explanation svc task set quorum’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_CREATECONSTGRP) Remote Copy consistency group created [chars]

Explanation 'svc task mk rc consist grp’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_CREATEREL ) Remote Copy relationship created [chars]

Explanation 'svc task mk rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_DELETECONSTGRP) Remote Copy consistency group deleted [chars]

Explanation 'svc task rm consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_DELETEREL) Remote Copy relationship deleted [chars]

Explanation 'svc task rm rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_MODIFYCONSTGRP) Remote Copy consistency group modified [chars]

Explanation 'svc task ch rc consist grp’ or equivalent GUI / Cisco CLI command has been invoked.’

Recommended Action None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_MODIFYREL) Remote Copy relationship modified [chars]

Explanation 'svc task ch rc relationship’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_START) Remote Copy relationship started [chars]

Explanation 'svc task start rc relationship’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_START_CG) Remote Copy consistency group started [chars]

Explanation 'svc task start rc consist grp’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_STOP) Remote Copy relationship stopped [chars]

Explanation 'svc task stop rc relationship’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_STOP_CG) Remote Copy consistency group stopped [chars]

Explanation 'svc task stop rc consist grp’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_SWITCH) Remote Copy relationship switched [chars]

Explanation 'svc task switch rc relationship’ or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_REMOTE_SWITCH(CG)
Remote Copy consistency group switched [chars]

Explanation  'svc task switch rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_SERVICE_APPLY_SOFTWARE)
Software upgrade command accepted [chars]

Explanation  'cluster upgrade svc-system' or equivalent GUI command has been invoked. The command has been accepted. Additional log entries will track the progress of the upgrade.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_STOP_FC_MAPPING) Flash
Copy mapping stopped [chars]

Explanation  'svc task stop fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_TRIGGER_FC_MAPPING) Flash
Copy mapping started [chars]

Explanation  'svc task start fc map' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_UPGRADE_BACKED_OFF) Software
downgrade complete [chars]

Explanation  The software upgrade process failed and all nodes have been restored to the previous level of code.

Recommended Action  Perform problem determination on the cause of the upgrade failure and take corrective action before retrying the upgrade.

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_UPGRADE_COMPLETED) Software upgrade complete [chars]

Explanation  All nodes have successfully moved to the new code level, which will now be committed.

Recommended Action  None
Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_UPGRADE_STARTED) Software upgrade started [chars]

   Explanation  The software upgrade process has started (the first node is about to be upgraded).
   Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_CREATE) Virtual Disk created [chars]

   Explanation  'svc task mk vdisk' or equivalent GUI / Cisco CLI command has been invoked.
   Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_DELETE) Virtual Disk deleted [chars]

   Explanation  'svc task rm vdisk' or equivalent GUI / Cisco CLI command has been invoked.
   Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_EXPAND) Virtual Disk expanded [chars]

   Explanation  'svc task expand vdisk size' or equivalent GUI / Cisco CLI command has been invoked.
   Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_EXPAND_SINGLE_EXT) Virtual Disk expanded by single extent [chars]

   Explanation  'svc task add vdisk ext' or equivalent GUI / Cisco CLI command has been invoked.
   Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_MIGRATE_EXTENT) Extent migration started [chars]

   Explanation  'svc task migrate exts' or equivalent GUI / Cisco CLI command has been invoked.
   Recommended Action  None

Message  SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_MIGRATE_EXTENTS) Extent migration started [chars]

   Explanation  'svc task migrate exts' or equivalent GUI / Cisco CLI command has been invoked.
   Recommended Action  None
Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_MODIFY_GOVERN) Virtual Disk throttling rate modified [chars]

Explanation 'svc task ch vdisk-rate' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_MOVE_HWS) Virtual Disk IO Group changed [chars]

Explanation 'svc task ch vdisk-iogrp' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_SET_NAME) Virtual Disk name modified [chars]

Explanation 'svc task ch vdisk-name' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-NODE_INFO_MSG: (SVC [dec]/[dec] SS_ERR_CFG_VDISK_SHRINK) Virtual Disk shrunk [chars]

Explanation 'svc task shrink vdisk size' or equivalent GUI / Cisco CLI command has been invoked.

Recommended Action None

Message SVC-6-SVC_SYSLOG_CL_CONFIG: Node [chars] has become config node of cluster [chars]

Explanation SVC interface has because cluster config node

Recommended Action No action is required.

Message SVC-6-SVC_SYSLOG_CL_JOIN: Node [chars] has joined cluster [chars]

Explanation SVC interface has joined cluster

Recommended Action No action is required.

Message SVC-6-SVC_SYSLOG_CL_UNJOIN: Node [chars] has left cluster [chars]

Explanation SVC interface has left cluster

Recommended Action No action is required.
**SVC-6**

**Message** SVC-6-SVC_SYSLOG_LC_WWN_PURGE: All WWNs for module [dec] have been purged[chars]

**Explanation** SVC linecard has purged all WWNs

**Recommended Action** No action is required.

**Message** SVC-6-SVC_SYSLOG_VSAN_INACTIVE: Vsan [dec] suspended

**Explanation** Vsan was suspended; can cause warnings

**Recommended Action** No action is required.

**SVC-7**

**Message** SVC-7-NODE_DEBUG_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**SYSMGR Messages**

This section contains the SYSMGR messages.

**SYSMGR-2**

**Message** SYSMGR-2-ACTIVE_LOWER_MEM_THAN_STANDBY: Active supervisor in slot [dec] is running with less memory than standby supervisor in slot [dec].

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Message** SYSMGR-2-BOOTSCOPE_HANDSHAKE: Service [chars] is in the boot scope, but tried a regular handshake. Discarding request.

**Explanation** A service is trying to take actions that belong to a different class of services.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message   SYSMGR-2-CFGERASE_ABORTED: Write erase aborted.

Explanation   Write erase has failed.

Recommended Action   Please verify the other syslog messages printed correct the problem, and try again.

Message   SYSMGR-2-CFGSNAPSHOT_ABORTED_DIR: Unable to open the configuration directory. Aborting configuration snapshot.

Explanation   The destination location for the snapshot-config could not be found.

Recommended Action   If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

Message   SYSMGR-2-CFGSNAPSHOT_ABORTED_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration snapshot.

Explanation   An attempt to copy the startup-config to snapshot-config has failed because the old data could not be removed.

Recommended Action   If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

Message   SYSMGR-2-CFGSNAPSHOT_ABORTED: Configuration snapshot aborted.

Explanation   An attempt to save a snapshot of the startup-config has failed.

Recommended Action   Please verify the other syslog messages printed correct the problem, and try again.

Message   SYSMGR-2-CFGSYNC_FAILURE: Syncing of the configuration to the standby failed.

Explanation   Syncing of the configuration to the standby failed.

Recommended Action   Please verify the other syslog messages printed correct the problem, and try again.

Message   SYSMGR-2-CFGWRITE_ABORTED_DIR: Unable to open the configuration directory. Aborting configuration copy.

Explanation   The destination location for the startup-config could not be found.

Recommended Action   If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.
**Message** SYSMGR-2-CFGWRITE_ABORTED_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration copy.

**Explanation**  An attempt to copy the running-config to startup-config has failed because the old data could not be removed.

**Recommended Action**  If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE_ABORTED_LABEL: Unable to label the new configuration (error-id [hex]). Aborting configuration copy.

**Explanation**  An attempt to copy the running-config to startup-config has failed because the new startup-config could not be stamped.

**Recommended Action**  If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE_ABORTED_LOCK: Unable to lock the configuration (error-id [hex]). Aborting configuration copy.

**Explanation**  An attempt to copy the running-config to startup-config has failed because the system could not lock the required configuration items.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-CFGWRITE_ABORTED_LOG: Unable to open a log file for the new configuration: [chars] (error-id [hex]). Aborting configuration copy.

**Explanation**  An attempt to copy the running-config to startup-config has failed because a log file could not be created.

**Recommended Action**  If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE_ABORTED: Configuration copy aborted.

**Explanation**  A configuration copy has failed.

**Recommended Action**  Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGWRITE_TIMEOUT_ABORT: Configuration copy aborted by timeout.

**Explanation**  A service failed to store its configuration in the timeout period. The operation has been aborted.

**Recommended Action**  No action is required.
Message  SYSMGR-2-CFGWRITE_USER_ABORT: Configuration copy aborted by the user.

Explanation  The user typed CTRL+C while the configuration was being saved, and the operation has been aborted.

Recommended Action  No action is required.

Message  SYSMGR-2-CONVERT_FUNC_FAILED: Conversion function failed for service "[chars]" (error-id [hex]).

Explanation  This message indicates that the conversion function failed for this service.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-CONVERT_FUNC_NOTFOUND: Conversion function not found for service "[chars]".

Explanation  This message indicates that the system could not find appropriate conversion function for this service.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-CONVERT_LIB_NOTFOUND: Conversion library not found for service "[chars]".

Explanation  This message indicates that the system could not find conversion library for this service.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-CONVERT_STARTUP_ABORTED: Conversion of startup-config failed.

Explanation  This message indicates that the conversion of startup configuration was aborted.

Recommended Action  If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

Message  SYSMGR-2-CONVERT_ZIPPING_FAILED: Failed to zip the converted startup configuration.

Explanation  This message indicates that conversion of the startup configuration failed when system was trying to zip the converted configuration.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message   SYSMGR-2-CORE_SAVE_FAILED: [chars]: PID [dec] with message [chars].

Explanation

Recommended Action   No action is required.

Message   SYSMGR-2-CREATE_DONEFILE_FAILED: Creating /var/run/sysmgr.initdone failed with return value: ([dec]).

Explanation   The initialization of the system could not complete.

Recommended Action   Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message   SYSMGR-2-DELETE_BINARY_STARTUP_FAILED: Deletion of binary startup config failed during boot (error-id [hex]).

Explanation   This message indicates that the deletion of the binary startup configuration failed during boot.

Recommended Action   If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

Message   SYSMGR-2-FEATURE_SET_NOT_DISABLED_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not cleanup: [chars]

Explanation

Recommended Action   No action is required.

Message   SYSMGR-2-FEATURE_SET_SRVTIMEOUT: vdc [dec]: feature-set 0x%llx [chars]: Following services did not respond in time: [chars]

Explanation   The services did not handshake with sysmgr in time

Recommended Action   No action is required.

Message   SYSMGR-2-FEATURE_SET_UNGRACEFUL_DISABLE_FAILED_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not exit even after SIGKILL: [chars]

Explanation

Recommended Action   No action is required.
Message SYSMGR-2-FORMAT_FAILURE_SUP_RESET: Failure to format a partition successfully causing sup to reset.

Explanation The partition used to store non-volatile pss files could not be formatted successfully. The supervisor will be reset.

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

Message SYSMGR-2-GSYNC_ABORT: Global sync aborted by signal.

Explanation The initial synchronization of the services has been aborted. The synchronization will be attempted again later.

Recommended Action Use the command reload module <mod>


Explanation Service failed to complete global sync in specified time. The standby will no longer act as a HA standby.

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

Message SYSMGR-2-GSYNC_READY_SRVFAILED: Service “[chars]” on standby supervisor failed to restore its snapshot (error-id [hex]).

Explanation The initial synchronization of service [chars] has failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-2-GSYNC_SNAPSHOT_SRVFAILED: Service “[chars]” on active supervisor failed to store its snapshot (error-id [hex]).

Explanation The initial synchronization of service [chars] has failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-2-HANDSHAKE_FAILED: Handshake with service “[chars]” in vdc [dec] failed since send failed: [chars] [error-id [hex]].

Explanation Handshake with a service failed since system manager could not send handshake response to it.

Recommended Action No action is required.
Message  SYSMGR-2-HASWITCHOVER_PRE_START: This supervisor is becoming active (pre-start phase).

Explanation  A cold switchover has started (pre-start phase).

Recommended Action  When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switch over.

Message  SYSMGR-2-HASWITCHOVER_START: Supervisor [dec] is becoming active.

Explanation  A cold switchover has started.

Recommended Action  When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switch over.

Message  SYSMGR-2-HEARTBEAT_FAILED: Sysmgr heartbeat failed at %lu. [chars]. [chars] (dec)

Explanation  System manager had failure while trying to heartbeat with KLM

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-INBAND_START_FAILED: Failure while bringing up inband after ISSU reboot, errno: [dec].

Explanation  Sysmgr tried to bring up in band after ISSU reboot, but the call returned error.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-INVALID_HANDSHAKE: Invalid secret ([dec]) received from service [chars]. Expected [dec].

Explanation  A service cannot be started.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-INVALID_SYSMGRCONF: [chars]: invalid configuration file "[chars]": [chars] (error-id [hex]).

Explanation  The system image contains an inconsistent list of services. The initialization of the system cannot proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message SYSMGR-2-INVALID_VERSIONMSG: The remote System Manager ([chars]) declares itself in the same state as this System Manager ([chars]).

Explanation The redundancy state negotiation between the two supervisors failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-2-ISSU_FAILED: The ISSU has failed: [chars] (error-id [hex])

Explanation The ISSU has failed and the switch need to be rebooted.

Recommended Action No action is required.

Message SYSMGR-2-LAST_CORR_BASIC_TRACE: [chars]: PID [dec] with message [chars].

Explanation

Recommended Action No action is required.

Message SYSMGR-2-MSG_SEND_FAILURE_STANDBY_RESET: Failure in sending message to standby causing standby to reset.

Explanation We will be resetting the standby since mts on the active is unable to send a message to standby.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-2-MTS_FLUSH_SYNC_QUEUE_FAILURE: flush mts sync queue failed with [chars] (errno [dec])

Explanation Calling mts_flush_sync_queue to guarantee no outstanding messages. the failure might affect HA

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-2-NON_VOLATILE_DB_FULL: System non-volatile storage usage is unexpectedly high at [dec]%.

Explanation System non-volatile storage space is almost full.

Recommended Action Please run the command clear processes log pid<pid>
Message  SYSMGR-2-NON_VOLATILE_DB_INODE_FULL: System non-volatile inode storage usage is unexpectedly high at [dec]%.

Explanation  System non-volatile inode storage space is almost full.

Recommended Action  Please run the command clear processes log pid<pid

Message  SYSMGR-2-ONBOARD_FAILURE_LOGGING_FULL: Onboard failure logging usage is unexpectedly high at [dec]%.

Explanation  Onboard failure logging space is almost full.

Recommended Action  Please run the command clear logging on board. If this message continues to persist, please contact TAC.

Message  SYSMGR-2-PARSEERR_DEPENDCYCLE: Dependency cycle found among [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_DUPLICATEDCONFIG: [chars]: duplicated definition for service config. Previous definition in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_DUPLICATEDDEPEND: [chars]: duplicated dependency from [chars] for service [chars]. Previous use in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_DUPLICATEDNAME: [chars]: short name [chars] used by service [chars] is also used by service "[chars]" in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-PARSEERR_DUPLICATEDOPTION: [chars]: duplicated definition for option [chars]-

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_DUPLICATEDSERVICE: [chars]: duplicated definition for service [chars]. Previous definition in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_DUPLICATEDVERDB: [chars]: duplicated definition for service version_db. Previous definition in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_DUP_UGRPENTRY: [chars]: service [chars] duplicated in the current upgrade group. Previous use in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_FT_SET_ID_PARSEERR: [chars]: client_id ([dec]) out of bound for "[chars]".

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**Message**  SYSMGR-2-PARSEERR_INCONSISTENTOPT: [chars]: option "[chars]=[chars]" not consistent with "[chars]=[chars]" for service "[chars]"

**Explanation**  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-PARSEERR_INVALIDCOMPCONDDEPEND: [chars] (in dependency list of compulsory conditional service [chars]): optional conditional service "[chars]" not allowed.

**Explanation**  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-PARSEERR_INVALIDCONDDEPEND: [chars] (in dependency list of ASAP service [chars]): conditional service "[chars]" not allowed.

**Explanation**  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-PARSEERR_INVALIDDEPEND: [chars] (in dependency list of service [chars]): service [chars] not defined for scope "[chars]".

**Explanation**  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-PARSEERR_INVALIDEXEC: [chars]: invalid executable [chars] for service [chars]: [chars] ([dec]).

**Explanation**  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-PARSEERR_INVALIDHANDSHAKEDEPEND: [chars] (in handshake dependency list of service [chars]): service "[chars]" is MTS unaware or not defined for scope "[chars]".

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALIDIDENT: [chars]: [chars] "[chars]" not found for service "[chars]".

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALIDOPTION: [chars]: option [chars] -

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALIDSTDBYDEPEND: [chars]: service [chars] cannot be dependent on service [chars] due to the standby mode wait for that service.

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALIDVDCDEPEND: [chars] (in dependency list of service [chars]): service [chars] is a [chars] service.

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-PARSEERR_INVALID_CLEANUP_ARGUMENTS: [chars]: cleanup_arguments = "[chars]": only conditional services that are scripts can specify cleanup arguments

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALID_COND_SRV_MODE: [chars]: service [chars] not defined for scope "control" or not mts aware.

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALID_DIR: [chars]: "[chars]" is not a valid [chars]: [chars] ([dec]).

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALID_GLOBAL_SYNC: [chars]: mts unaware service may not request for a global sync.

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_INVALID_HB: [chars]: "[dec]" is not a valid heartbeat timeout.

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**Message** SYSMGR-2-PARSEERR_INVALID_MAX_INSTANCE: [chars]: [dec] is not a valid max_instance.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_INVALID_SHELLTREE: [chars]: invalid shell parser tree [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_INVALID_STANDBY_MODE_GLOBAL_SYNC: [chars]: service with standby mode wait cannot request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_INVALID_STANDBY_MODE: [chars]: standby_mode should be run.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_INVALID_STARTUP_MODE_DEPENDENCY: [chars]: Invalid dependency. Service [chars] s startup mode ('[chars]') does not match dependent service "[chars]"s startup mode ('[chars]').

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** No action is required.
**Message** SYSMGR-2-PARSEERR_INVALID_TRANSL: [chars]: invalid translator [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_INVALID_UGRPENTRY: [chars]: service "[chars]" is not defined.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_MISSINGOPTION: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_MTSUNAWARE_HANDSHAKEDEPEND: [chars]: service [chars] is MTS unaware and cannot have handshake dependencies.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR_NORESTART: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-PARSEERR_NOTCONFIG: [chars]: [chars] implemented only for service config.

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_REPARSE_CANNOT_ADD_SRV: Service "[chars]" cannot be added

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_REPARSE_CANNOT_DELETE_SRV: Service "[chars]" cannot be removed

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_REPARSE_CANNOT_MODIFY_PARAM: Cannot modify parameter [chars] for the service "[chars]", old value = [chars], new value = [chars]

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_REPARSE_CANNOT_MODIFY_SRV: Configuration for service "[chars]" cannot be modified, param modified = [chars], old_value = [chars], new_value = [chars]

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-PARSEERR_REP_UGRPENTRY: [chars]: service [chars] is used in more than one upgrade group. First use in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_TOOMANYDEPENDS_MULTIPLE_INST: [chars]: too many multiple instance dependencies ([dec]) for service "[chars]".

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_TOOMANYDEPENDS: [chars]: too many dependencies ([dec]) for service "[chars]".

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_UGRPDUPLICATEDNAME: [chars]: upgrade group name "[chars]" already used in [chars].

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PARSEERR_UGRPNAMEREDEFINED: [chars]: the upgrade group is already called "[chars]".

Explanation  The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-PARTIAL_CFGWRITE_ABORTED: Partial configuration copy aborted.

Explanation  A partial configuration copy has failed.

Recommended Action  Please verify the other syslog messages printed correct the problem, and try again. If problem persists, please run the command copy running-config startup-config’ and try again.'

Message  SYSMGR-2-PLUGIN_BOOTUP_FAILURE: The bootup of the supervisor has failed due to plugin load: [chars] (error-id [hex])

Explanation  The bootup of the supervisor has failed due to plugin load.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.


Explanation  Conversion of internal data format failed.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-PSS2_VOLATILE_DB_FULL: Volatile database usage in kernel is unexpectedly high at [dec]%. 

Explanation  System volatile database in kernel space is almost full.

Recommended Action  Please run the command ‘show system internal pss kernel mem stats’. If this message continues to persist, please contact TAC.’

Message  SYSMGR-2-REDSTATE_GETFAILED: Failed to request redundancy state: [chars] (error-id [hex])

Explanation  The local supervisor is unable to get the redundancy state.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-REDSTATE_SETFAILED: Failed to set redundancy state: ret_val ([dec]).

Explanation  The local supervisor is unable to get the redundancy state.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**Message**  SYSMGR-2-REDUNDANCY_CHANNEL_FAILURE: Remote sup will be rebooted since its coming up as active when local sup is still active.

**Explanation**  Remote sup is becoming active although local sup is still active. As a result, local sup will cause the remote sup to reset itself.

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

**Message**  SYSMGR-2-REDUNDANCY_HEARTBEAT_FAILURE: Heartbeat between active and standby on the redundancy channel not working for last [dec] minutes.

**Explanation**  This supervisor is not receiving heartbeat on the redundancy channel from the other supervisor. This can result in problems during switchover and switchover may even fail.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-RESTART_SYSTEM_LOG: We will be restarting system soon for vdc [dec].

**Explanation**  We will be restarting system since we were trying to do a hot switchover before all the state could have been transferred to this supervisor. So we will be doing a cold switchover now.

**Recommended Action**  No action is required.

**Message**  SYSMGR-2-RESTORE_RUNTIME_DB_FAILED: Restoring of runtime database for fabric switch upgrade failed during boot (error-id [hex]).

**Explanation**  This message indicates that the runtime database could not be restored during boot for the fabric switch upgrade.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-SAVE_RUNTIME_DB_FAILED: Saving of runtime database for fabric switch upgrade failed (error-id [hex]).

**Explanation**  This message indicates that the runtime database could not be saved for the fabric switch upgrade.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-2-SERVICE_CRASHED: Service "[chars]" (PID [dec]) hasn't caught signal [dec] [chars].

**Explanation**  A service has terminated its execution abnormally. The service might be restarted, depending on the HA policies implemented for the service.

**Recommended Action**  Please use the command 'show process' to verify that the service has been restarted.
Message  SYSMGR-2-SHUTDOWN_FAILURE: Unable to set signal handler for graceful.
shutdown: [chars] (error-id [hex]).

Explanation  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action  No action is required.

Message  SYSMGR-2-SHUTDOWN_REJECT: The System Manager is busy saving the
configuration. Please try again later.

Explanation  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action  No action is required.

Message  SYSMGR-2-SHUTDOWN_SYSTEM_LOG: vdc [dec] will shut down soon.

Explanation  We are shutting down system the vdc.

Recommended Action  No action is required.

Message  SYSMGR-2-SIGKILL_FAILURE: Service "[chars]" failure to respond to SIGKILL
causing supervisor to reset. Last heartbeat %.2f secs ago.

Explanation  We will be resetting the supervisor since service failed to respond to SIGKILL sent to
it by System Manager.

Recommended Action  Please contact the Cisco reseller through which you procured the product for
support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-SOCKET_ERROR: Failed to open socket connection, errno: [dec].

Explanation  Call to open socket connection failed.

Recommended Action  Please contact the Cisco reseller through which you procured the product for
support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-SRV_CLEAR_MEMORY_ALERT: service "[chars]" clear memory alert
([dec]%)

Explanation  Clean Memory Alert Event received

Recommended Action  No action is required.

Message  SYSMGR-2-SRV_MAJOR_MEMORY_ALERT: service "[chars]" major memory alert
([dec]%)

Explanation  Major Memory Alert Event received

Recommended Action  No action is required.
Message  SYSMG-2-SRV_MINOR_MEMORY_ALERT: service "[chars]" minor memory alert ([dec]%)

   Explanation  Minor Memory Alert Event received

   Recommended Action  No action is required.

Message  SYSMG-2-SRV_SPAWN_FAILED: Spawning of service "[chars]" in vdc [dec] failed: [chars] (error-id [hex]).

   Explanation  Failed to spawn a service

   Recommended Action  No action is required.

Message  SYSMG-2-STANDBY_BOOT_FAILED: Standby supervisor failed to boot up.

   Explanation  This message is printed if the standby supervisor does not complete its boot procedure (i.e. it doesn't reach the login prompt on the local console) 3 to 6 minutes after the loader has been loaded by the BIOS. This message is usually caused by boot variables not properly set for the standby supervisor. This message can also be caused by a user intentionally interrupting the boot procedure at the loader prompt (by means of pressing ESC).

   Recommended Action  Connect to the local console of the standby supervisor. If the supervisor is at the loader prompt, try to use the boot' command to continue the boot procedure. Otherwise, issue a 'reload' command for the standby supervisor from avsh session on the active supervisor, specifying the 'force-dnld' option. Once the standby is online, fix the problem by setting the boot variables appropriately.

Message  SYSMG-2-STARTUP_CONVERSION_FAILED: Startup config conversion failed during boot (error-id [hex]).

   Explanation  This message indicates that the conversion of startup configuration failed during boot.

   Recommended Action  If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

Message  SYSMG-2-START_SCRIPT_FAILED: Start script (/isan/etc/rc.sysmgr start) failed with return value: ([dec]).

   Explanation  The initialization of the system could not complete.

   Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMG-2-SUBPROC_SPAWN_FAILED: Spawning of sub-process "[chars]" in vdc [dec] failed: [chars] (error-id [hex]).

   Explanation  Failed to spawn a sub-process

   Recommended Action  No action is required.
Message  SYSMGR-2-SUP_POWERDOWN: Supervisor in slot [dec] is running with less memory than active supervisor in slot [dec]

Explanation  Supervisor memory mismatch

Recommended Action  No action is required.

Message  SYSMGR-2-SWITCHOVER_OVER: Switchover completed.

Explanation  The switchover is completed.

Recommended Action  No action is required.

Message  SYSMGR-2-SWITCHOVER_SRVCRASHED: Service "[chars]" (PID [dec]) crashed during switchover - hasn’t caught signal[dec]. Core will not be collected.

Explanation  The switchover failed because a service crashed during switchover.

Recommended Action  No action is required.

Message  SYSMGR-2-SWITCHOVER_SRVFAILED: Service "[chars]" failed in performing its switchover actions (error-id [hex]).

Explanation  The switchover failed because a service could not transition to the active state.

Recommended Action  No action is required.

Message  SYSMGR-2-SWITCHOVER_SRVTERMINATED: Service "[chars]" (PID [dec]) terminated during switchover with error code [dec].

Explanation  The switchover failed because a service terminated during switchover.

Recommended Action  No action is required.


Explanation  Switchover threshold exceeded

Recommended Action  No action is required.

Message  SYSMGR-2-SWITCHOVER_TIMEOUT: Service "[chars]" (vdc [dec]) did not respond to switchover message in [dec] seconds

Explanation  The switchover timeout because a service failed to respond

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-2-SYNC_FAILURE_MSG_PAYLOAD: vdc [dec]: [chars]

Explanation  Dump out the msg to know what causes sync failure

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-SYNC_FAILURE_STANDBY_RESET: Failure in syncing messages to standby for vdc [dec] causing standby to reset.

Explanation  We will be resetting the standby since mts on the active is unable to sync messages to standby.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-SYSMGR_AUTOCOLLECT_TECH_SUPPORT_LOG: This supervisor will temporarily remain online in order to collect show tech-support. This behavior is configurable via system [no] auto-collect tech-support'

Explanation  Supervisor is automatically collecting logs

Recommended Action  No action is required.

Message  SYSMGR-2-TMP_DIR_FULL: System temporary directory usage is unexpectedly high at [dec]%.

Explanation  System /tmp space is almost full.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-VDC_CREATE_DELETE_SRVCRASHED: Global vdc-aware service "[chars]" (PID [dec]) crashed during vdc create/delete on standby - hasn't caught signal [dec].'

Explanation  The creation/deletion of vdc on standby failed because a global vdc-aware service crashed on standby.

Recommended Action  No action is required.

Message  SYSMGR-2-VDC_CREATE_DELETE_SRVTERMINATED: Global vdc-aware service [chars] (PID [dec]) terminated during vdc create/delete on standby with error code [dec].

Explanation  The creation/deletion of vdc on standby failed because a global vdc-aware service terminated on standby.

Recommended Action  No action is required.
Message  SYSMGR-2-VDC_DELETE_FAILURE: The vdc delete has failed: [chars] (error-id [hex])

Explanation  The vdc delete has failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-2-VDC_NOT_CLEANEDUP_SRVS: vdc [dec]: [chars]

Explanation

Recommended Action  No action is required.

Message  SYSMGR-2-VOLATILE_DB_FULL: System volatile database usage is unexpectedly high at [dec]%.  

Explanation  System volatile database space is almost full.

Recommended Action  Please run the command system pss shrink'. If this message continue persistent, please contact TAC.'

Message  SYSMGR-2-WARMSWITCHOVER_START: This supervisor is becoming active.

Explanation  A cold switchover has started.

Recommended Action  When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

Message  SYSMGR-2-WDT_KGDB: System watchdog kgdb has been [chars] for slot [dec].

Explanation  System watchdog kgdb has been [chars]. If the command has been enabled, the system will go into kgdb if there is a watchdog timeout.

Recommended Action  No action is required.

SYSMGR-3

Message  SYSMGR-3-BASIC_TRACE: [chars]: PID [dec] with message [chars].

Explanation

Recommended Action  No action is required.
Message  SYSMGR-3-CAPABILITY_REDUN_CHANGE: Redundancy mode changed to [chars] due to configuration change.

Explanation  Some configuration changes have occurred causing administrative redundancy mode to change.

Recommended Action  No action is required.

Message  SYSMGR-3-CFGCTRL_ABORT: signal to abort cfgctrl as super changes to the unstable state

Explanation  When super state changes to unstable, cfgctrl should be terminated

Recommended Action  No action is required.

Message  SYSMGR-3-CFGERASE_FAILED: Configuration erase failed (error-id [hex]).

Explanation  The requested configuration erase has failed. [dec] is the error-ID representing the failure reason.

Recommended Action  No action is required.

Message  SYSMGR-3-CFGSNAPSHOT_FAILED: Configuration snapshot failed (error-id [hex]).

Explanation  The requested configuration snapshot has failed. [dec] is the error-id representing the failure reason.

Recommended Action  No action is required.

Message  SYSMGR-3-CFGWRITE_FAILED: Configuration copy failed (error-id [hex]).

Explanation  The requested configuration copy has failed. [dec] is the error-id representing the failure reason.

Recommended Action  No action is required.

Message  SYSMGR-3-CFGWRITE_REJECT: Discarding request for configuration [chars]: configuration action already in progress.

Explanation  Another instance of the command 'copy running-config startup-config' is in progress.

Recommended Action  Please wait for the other instance to complete.
Message SYSMGR-3-CFGWRITE_SRVCRASHED: Service [chars] crashed with signal ([dec]) while configuration was being saved

Explanation A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-3-CFGWRITE_SRVFAILED: Service "[chars]" failed to store its configuration (error-id [hex]).

Explanation A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

Message SYSMGR-3-CFGWRITE_SRVTERMINATED: Service [chars] terminated with error code ([dec]) while configuration was being saved

Explanation A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-3-CFGWRITE_SRVTIMEOUT: Service [chars] failed to store its configuration in the timeout period

Explanation A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-3-CFGWRITE_VDCSRVCRASHED: Service [chars] in vdc [dec] crashed with signal ([dec]) while configuration was being saved

Explanation A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-3-CFGWRITE_VDCSRVFAILED: Service "[chars]" in vdc [dec] failed to store its configuration (error-id [hex]).

Explanation  A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action  Use the show process command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

Message  SYSMGR-3-CFGWRITE_VDCSRVTERMINATED: Service [chars] in vdc [dec] terminated with error code ([dec]) while configuration was being saved

Explanation  A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-CFGWRITE_VDCSRVTIMEOUT: Service [chars] in vdc [dec] failed to store its configuration in the timeout period

Explanation  A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-COPY_CORES_FAILED: Copying cores failed ([dec]).

Explanation  Copying cores to the destination failed because of an error specified in the log.

Recommended Action  No action is required.

Message  SYSMGR-3-COREDUMP_TIMEOUT: Failed to store the core in the specified time. Resetting....

Explanation  Failed to store the core in the specified time. Resetting...

Recommended Action  No action is required.

Message  SYSMGR-3-CORE_CLIENT_INIT_FAILED: Core client will not be started due to some internal error.

Explanation  Core client will not be started due to some internal error.

Recommended Action  No action is required.
Message  SYSMGR-3-CORE_OP_FAILED: Core operation failed: [chars]

Explanation  Mainly use to display failure on core operation in general

Recommended Action  No action is required.

Message  SYSMGR-3-CORE_SERVER_INIT_FAILED: Core server will not be started due to some internal error.

Explanation  Core server will not be started due to some internal error.

Recommended Action  No action is required.

Message  SYSMGR-3-DAEMONIZE_FAILED: Unable to daemonize service "[chars]": [chars] ([dec]).

Explanation  A service could not be spawned.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-FAILED_PFM_HANDSHAKE: PFM-handshake from service "[chars]" failed (error-id [hex]).

Explanation  The Platform Manager handshake has failed. The system can not proceed with the initialization.

Recommended Action  No action is required.

Message  SYSMGR-3-GSYNC_TIMEOUT_FAILED: Failed to set timeout for global sync for an application ({dec}).

Explanation  Failed to set timeout for global sync for an application. This can result in global sync to be stuck forever if application never complete global sync.

Recommended Action  No action is required.

Message  SYSMGR-3-HEARTBEAT_FAILURE: Service "[chars]" sent SIGABRT for not setting heartbeat for last [dec] periods. Last heartbeat %.2f secs ago.

Explanation  A service is not setting proper heartbeats to System Manager So it will kill this service and if this service has restartability set to TRUE, the service will restart.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-3-INVALID_BOOT_HANDSHAKE: Boot-scope-handshake received from service [chars], that is in scope [dec] (not the boot scope).

Explanation  A service is trying to take actions that belong to a different class of services.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-INVALID_GSYNC_GET: Service "[chars]" vdc [dec] requesting gsync without setting proper flag in its conf file.

Explanation  Service is requesting global sync without setting proper flag in its conf file.

Recommended Action  No action is required.

Message  SYSMGR-3-INVALID_PFM_HANDSHAKE: PFM-handshake received from service [chars], that is in scope [dec] (not the boot scope).

Explanation  A service is trying to take actions that belong to the Platform Manager service.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-INVALID_TRANSITION: Transition from state [chars] to state [chars] is not allowed.

Explanation  Unexpected transition in the System Manager state machine.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-INVALID_UUID: Service [chars] is configured with UUID [hex], but uses UUID [hex].

Explanation  The identity of a service is inconsistent in the image file

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-ISSU_BEGIN_FAILED: ISSU cannot proceed (error-id [hex]).

Explanation  This message indicates that some service has blocked the ISSU.

Recommended Action  No action is required.
Message  SYSMGR-3-LC_IMAGE_UPGRADE_FAILURE: Linecard image upgrade request failed (error-id [hex]).

Explanation  Linecard image upgrade request failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-LC_RESET: Resetting linecard

Explanation  Linecard is being reset

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-LC_SAVE_STATES_FAILURE: Save states request for the linecard failed (error-id [hex]).

Explanation  Save state request for the linecard failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-LC_STOP_ASYNC_FAILURE: Stop async notification request failed (error-id [hex]).

Explanation  Stop async notification request for the linecard failed

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-LC_UPG_ERROR: LC ERROR: [chars]

Explanation  Linecard upgrade Message

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-MISSING_OPTIONAL_CAPABILITY: Incomplete support for the current running-config on standby supervisor.

Explanation  Loose config incompatibilities exist between active and standby sup. Operational redundancy mode is still set to HA.

Recommended Action  No action is required.
Message  SYSMGR-3-MODULE_LOCK_FAILED: Failed to lock the local module to avoid reset (error-id [hex]).

Explanation  Locking the local module has failed. Reloading the local module can now result in switchover to fail.

Recommended Action  No action is required.

Message  SYSMGR-3-ND_UPGD_RECOVERY_SRVFAILED: Service "[chars]" in vdc [dec] failed in non-disruptive upgrade recovery (error-id [hex]).

Explanation  The non-disruptive upgrade failed because a service could not recover its state.

Recommended Action  No action is required.

Message  SYSMGR-3-OPERATIONAL_MODE_WARM: Operational redundancy mode set to warm (error-id [hex]).

Explanation  Operational redundancy mode will be set to warm. [dec] is the error-ID representing the reason.

Recommended Action  No action is required.

Message  SYSMGR-3-PARTIAL_CFGWRITE_FAILED: Partial configuration copy failed (error-id [hex]).

Explanation  The requested configuration copy has failed. [dec] is the error-ID representing the failure reason.

Recommended Action  No action is required.

Message  SYSMGR-3-PARTIAL_CFGWRITE_VER_MISMATCH: Startup-config version not same as current software version.

Explanation  Startup-config version not same as current software version.

Recommended Action  Please do a copy running startup, and try again.

Message  SYSMGR-3-RTDBCTRL_BUILD_UPG_TBL_FAILED: Failed to prepare upgrade version table during pre-upgrade

Explanation  A required sequence in the pre-upgrade sequence has failed. The version table could not be built correctly

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  SYSMGR-3-RTDBCTRL_SRVFAILURE: Service "[chars]" responded with a failure

Explanation  A service responded with a failure to the request

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-RTDBCTRL_SRVTIMEOUT: Service [chars] failed to respond back to System Manager in the specified timeout period

Explanation  A required service has failed to send a response after receiving a request for the fabric switch upgrade.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-RTDBCTRL_SRV_RECV_FAILED: Failed to receive response from Service "[chars]"

Explanation  A required service has failed to send a response after receiving a request for the fabric switch upgrade.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-RTDBCTRL_SRV_SEND_FAILED: Failed to send upgrade request to Service "[chars]"

Explanation  Failed to send upgrade request to a required service

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-SERVICE_TERMINATED: Service [chars] (PID [dec]) has finished with error code [chars] ([dec]).

Explanation  A service has terminated its execution normally. Depending on the value of [dec2] and the HA policies implemented for the service, the service might be restarted automatically.

Recommended Action  No action is required.

Message  SYSMGR-3-SHUTDOWN_OVER: The System Manager is shutting down now.

Explanation  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action  No action is required.
Message  SYSMGR-3-SHUTDOWN_START: The System Manager has started the shutdown procedure.

Explanation  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action  No action is required.

Message  SYSMGR-3-STANDBY_UNSTABLE_FTSET_OPERATION: Restarting standby since it is not in hot standby state while feature-set operation was in progress in vdc [dec].

Explanation  Standby unstable during feature-set operation

Recommended Action  No action is required.

Message  SYSMGR-3-STANDBY_VDC_RESTART_FAILURE: vdc [dec] on standby failed to restart. error: [chars] ([hex])

Explanation

Recommended Action  No action is required.

Message  SYSMGR-3-SYSMGR_CRASHED: Sysmgr (PID [dec]) [chars]

Explanation  Sysmgr has terminated abnormally.

Recommended Action  Please use the command 'show process' to verify that sysmgr has been restarted.

Message  SYSMGR-3-TFTP_CORES_FAILED: TFTPing cores failed ([chars]).

Explanation  TFTPing cores to the destination failed because of an error specified in the log.

Recommended Action  No action is required.

Message  SYSMGR-3-UNACCEPTABLE_WAIT: Service [chars], no response from System Manager after [dec] seconds. Terminating.

Explanation  A spawned service could not handshake with the System Manager and it's about to be terminated.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-3-UNLINK_RELINK_CONF_FILES_FAILED: [chars] of conf files failed. plugin_id [dec]

Explanation  Unlink and/or Relink of configuration files failed.

Recommended Action  No action is required.
Message  SYSMGR-3-URIFS_APPLY_FAILED: Applying URI filesystem database failed (error-id [hex]).

Explanation  The application of URI filesystem database has failed. [dec] is the error-ID representing the failure reason.

Recommended Action  No action is required.

SYSMGR-4

Message  SYSMGR-4-BASIC_TRACE_WARNING: [chars]: PID [dec] with message [chars].

Explanation

Recommended Action  No action is required.

Message  SYSMGR-4-CFGWRITE_PARTIALFORCED: Some services are missing; partial configuration write forced.

Explanation  The system is not fully operational, but a configuration copy has been forced. The services that are not running won't save their configuration, and then ext time they will restart with a default configuration.

Recommended Action  Use the 'show process' command to find out which required services are not running.

Message  SYSMGR-4-ON_DEMAND_STOP_UID_KNOWN: On-demand service "[chars]" stopped by uid ([dec]).

Explanation  The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

Recommended Action  No action is required.

Message  SYSMGR-4-ON_DEMAND_STOP: On-demand service "[chars]" stopped.

Explanation  The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

Recommended Action  No action is required.

Message  SYSMGR-4-PARSEWARN_INVALID_CFGFILE: [chars]: unable to find "[chars]": [chars] ([dec]).

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**Message**  SYSMGR-4-PARSEWARN_RESTART_CNT_TOO_BIG: Service "[chars]": [chars] restart count of [dec] too big, needs to be set to [dec].

**Explanation**  This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-4-PARSEWARN_VALUE_TOO_SMALL: [chars]: [chars] is too small, replaced with [dec].

**Explanation**  This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  SYSMGR-4-READCONF_REJECT: Discarding configuration update request: [chars].

**Explanation**  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action**  No action is required.

**Message**  SYSMGR-4-READCONF_STARTED: Configuration update started (PID [dec]).

**Explanation**  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action**  No action is required.

**Message**  SYSMGR-4-SRVSCOPE_DELAYED: Waiting for redundancy state; termination delayed for scope [chars].

**Explanation**  This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action**  No action is required.

**Message**  SYSMGR-4-SYSMGR_CORE_TRUNCATED: Core seems to be truncated on generation. [dec] / [dec] KB. PID: [dec]

**Explanation**  Core likely truncated

**Recommended Action**  No action is required.

**Message**  SYSMGR-4-SYSMGR_PLUGIN_FAILURE: Received failure response [hex] from Plugin Manager

**Explanation**  Failure response from plugin mgr

**Recommended Action**  No action is required.
<table>
<thead>
<tr>
<th>Message</th>
<th>Explanation</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSMGR-4-SYSMGR_VDC_CORE_DELETION: Cores in VDC [dec] will be deleted as part of VDC deletion</td>
<td>VDC cores deleted</td>
<td>No action is required.</td>
</tr>
<tr>
<td>SYSMGR-4-UGRP_ALL_COMPLETED: Upgrade completed for all the groups.</td>
<td>This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).</td>
<td>No action is required.</td>
</tr>
<tr>
<td>SYSMGR-4-VAR_SYSMGR_FULL: System core file storage usage is unexpectedly high at [dec]%: This may cause corruption of core files</td>
<td>System core file storage space is almost full.</td>
<td>Please copy cores off the supervisor and run 'clear cores' to free some space</td>
</tr>
<tr>
<td>SYSMGR-5-CFGERASE_DONE: Configuration erase successful.</td>
<td>The requested configuration erase has completed successfully.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>SYSMGR-5-CFGERASE_STARTED: Configuration erase started (PID [dec]).</td>
<td>The requested configuration erase has started. [dec] is the Process-ID of the process servicing the request.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>SYSMGR-5-CFGINIT_STARTED: Initialization of the startup configuration started (PID [dec]).</td>
<td>The requested initialization of the startup configuration has started. [dec] is the Process-ID of the process servicing the request.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>SYSMGR-5-CFGSNAPSHOT_DONE: Configuration snapshot successful.</td>
<td>The requested configuration snapshot has completed successfully.</td>
<td>No action is required.</td>
</tr>
</tbody>
</table>
Message  SYSMGR-5-CFGSNAPSHOT_STARTED: Configuration snapshot started (PID [dec]).

Explanation  The requested configuration snapshot has started. [dec] is the Process-ID of the process servicing the request.

Recommended Action  No action is required.

Message  SYSMGR-5-CFGWRITE_DONE: Configuration copy successful.

Explanation  The requested configuration copy has completed successfully.

Recommended Action  No action is required.

Message  SYSMGR-5-CFGWRITE_STARTED: Configuration copy started (PID [dec]).

Explanation  On the active supervisor, this message indicates that the system has started to service a 'copy running-config startup-config' requested by the user. On the standby supervisor, this message indicates that the system is synchronizing the startup-config from the active supervisor. [dec] is the Process-ID of the process servicing the request.

Recommended Action  No action is required.

Message  SYSMGR-5-CONVERT_STARTUP_STARTED: Configuration conversion started (PID [dec]).

Explanation  This message indicates that the system has started conversion of startup configuration. This happens either on system boot or during the course of an upgrade.

Recommended Action  No action is required.

Message  SYSMGR-5-DELETE_BINARY_STARTUP_STARTED: Deletion of binary startup configuration started (PID [dec]).

Explanation  This message indicates that the system will be deleting the binary startup configuration, due to an error in the conversion of the startup conversion.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-5-FSM_STATE_TRANS: System Manager NESTED state transition from [chars] to [chars].

Explanation

Recommended Action  No action is required.
Message SYSMGR-5-IMPROPER_CLEANUP: Service "[chars]" exited without replying to switchover request.

Explanation A conditional service exited without replying to switchover request. This message is for logging purposes only and does not affect the functionality of the system.

Recommended Action No action is required.

Message SYSMGR-5-ISSU_ABORT: Notifying services of aborted ISSU (PID [dec]).

Explanation This message indicates that the ISSU has been aborted and the services have been asked to rollback any changes.

Recommended Action No action is required.

Message SYSMGR-5-ISSU_BEGIN_STARTED: Notifying services of ISSU (PID [dec]).

Explanation This message indicates that the system has started notifying services for the ISSU. Services can block the upgrade at this point.

Recommended Action No action is required.

Message SYSMGR-5-LC_UPGRADE_REBOOT: Rebooting linecard as a part of upgrade.

Explanation Linecard is being rebooted as a part of upgrade.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-5-LC_UPGRADE_START: Starting linecard upgrade.

Explanation Linecard upgrade is starting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-5-MODULE_ONLINE: System Manager has received notification of local module becoming online.

Explanation System Manager has received notification of local module becoming online.

Recommended Action No action is required.

Message SYSMGR-5-PARTIAL_CFGWRITE.ASCII_CONFIG: Startup-config version not present.

Explanation Startup-config version not present.

Recommended Action Startup-config version is not present. ASCII configuration will be applied.
Message  SYSMGR-5-PARTIAL_CFGWRITE_DONE: Partial configuration copy successful.

Explanation  The requested configuration copy has completed successfully.

Recommended Action  No action is required.

Message  SYSMGR-5-PARTIAL_CFGWRITE_STARTED: Partial configuration copy started by UUID [hex] (PID [dec]).

Explanation  This message is printed only on active supervisor, and indicates that service with mentioned UUID has requested a partial write mem. [dec] is the Process-ID of the process servicing the request.

Recommended Action  No action is required.

Message  SYSMGR-5-RECOVERY_FAILED: Stateful recovery failed, system manager will now start stateless.

Explanation  Stateful recovery failed, system manager will now restart system and start stateless.

Recommended Action  No action is required.

Message  SYSMGR-5-RUNTIME_DB_RESTORE_STARTED: Runtime database controller started (PID [dec]).

Explanation  This message indicates that the system has started the restoration of the runtime database. This happens during the non-disruptive fabric switch upgrade.

Recommended Action  No action is required.

Message  SYSMGR-5-RUNTIME_DB_RESTORE_SUCCESS: Runtime database successfully restored.

Explanation  This message indicates that the runtime database has been successfully restored for the non-disruptive fabric switch upgrade.

Recommended Action  No action is required.

Message  SYSMGR-5-RUNTIME_DB_SAVE_STARTED: Runtime database save has started (PID [dec]).

Explanation  This message indicates that the system has started the saving of the runtime database. This happens during the non-disruptive fabric switch upgrade.

Recommended Action  No action is required.
Message  SYSMGR-5-SERVICE_DELETED: Service [chars] has been removed from the System Manager database.

Explanation  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action  No action is required.

Message  SYSMGR-5-STATEFUL_STATE: System Manager is in state [chars] after stateful restart.

Explanation  System Manager has been restarted stateful after an error that resulted in System Manager exiting.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  SYSMGR-5-SUBPROC_KILLED: "[chars]" (PID [dec]) hasn’t caught signal[dec][chars]

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-5-SUBPROC_TERMINATED: "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-5-UGRP_COMPLETED: Upgrade completed for group [dec].

Explanation  This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action  No action is required.

SYSMGR-6

Message  SYSMGR-6-ALL_SCOPES_STARTED: System services have completely started at this time.

Explanation  System services have completely started at this time.

Recommended Action  No action is required.
Message SYSMGR-6-HANDSHAKE_DONE: Handshake with service "[chars]" successfully performed.

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Message SYSMGR-6-HANDSHAKE_VERIFYING_DONE: Handshake verification done from service "[chars]".

Explanation

Recommended Action No action is required.

Message SYSMGR-6-LC_UPG_DEBUG: LC DEBUG: [chars]

Explanation Linecard upgrade debug message

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message SYSMGR-6-RLIMIT_INFO: rlimit of service "[chars]"([dec]) = %llu

Explanation

Recommended Action No action is required.

Message SYSMGR-6-SERVICE_STARTED: Service "[chars]" in vdc [dec] started with PID([dec]).

Explanation The System Manager is starting a service. This message is for debugging purposes only.

Recommended Action No action is required.

Message SYSMGR-6-SERVICE_SUCCESS_EXIT: Service [chars] (PID [dec]) has successfully exited with exit code [chars] ([dec]).

Explanation A service has successfully exited its execution.

Recommended Action No action is required.

Message SYSMGR-6-SRVSCOPE_COMPLETED: Completed execution for scope [chars].

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.
Message  SYSMGR-6-SRVSCOPE_STARTED: Started execution for scope [chars].

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-6-SRVSTATE_CHANGED: State for service "[chars]" changed from [chars] to [chars] in vdc [dec].

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-6-SRV_ENQUEUED_FOR_START: Conditional service "[chars]" started by sap "[dec]" has been enqueued for start.

Explanation

Recommended Action  No action is required.

Message  SYSMGR-6-STATE_CHANGED: System Manager state changed from [chars] to [chars] for vdc [dec].

Explanation

Recommended Action  No action is required.

Message  SYSMGR-6-SUBPROC_SUCCESS_EXIT: [chars] (PID [dec]) has successfully exited with exit code [chars] ([dec]).

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-6-SUPERSTATE_CHANGED: System Manager super state changed from [chars] to [chars] for vdc [dec].

Explanation

Recommended Action  No action is required.

Message  SYSMGR-6-UNEXPECTED_GSYNC_RESTART_STANDBY: Sending a message to restart system on standby on vdc [dec].

Explanation  Activity occurred on active supervisor that is incompatible with state of standby. System will be restarted on standby.

Recommended Action  No action is required.
SYSMGR-7

Message  SYSMGR-7-CFGWRITE_UNEXPECTEDRSP: Discarding unexpected response from service "[chars]".

Explanation

Recommended Action  No action is required.

Message  SYSMGR-7-DUPLICATED_PFM_HANDSHAKE: PFM-handshake received from service [chars], but information already available.

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-7-LIBCDB_FAILURE: Conversion for service "[chars]" failed in libcdb.

Explanation  This message indicates that either the system could not find conversion tarball or there is no conversion library needed for this service.

Recommended Action  No action is required.

Message  SYSMGR-7-LIBVDB_FAILURE: Conversion for service "[chars]" failed in libvdb.

Explanation  This message indicates that the system could not find package information for this service in the version database.

Recommended Action  No action is required.

Message  SYSMGR-7-ND_UPGD_RECOVERY_SRVSUCCEEDED: Service "[chars]" recovered its state during non-disruptive upgrade.

Explanation

Recommended Action  No action is required.

Message  SYSMGR-7-NO_STARTUP_CONFIG: No startup-config to convert.

Explanation  This message indicates that the system tried to convert startup configuration but it found no configuration to convert.

Recommended Action  No action is required.
Message  SYSMGR-7-SWITCHOVER_SRVSUCCEEDED: Service "[chars]" completed its switchover actions.

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-7-UNEXPECTEDMSG: Opcode [dec] not expected at this time from service "[chars]" ([chars]).

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-7-UNKNOWNADDR: Opcode [dec] received from unknown source [chars]. Discarding.

Explanation  This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action  No action is required.

Message  SYSMGR-7-UNKNOWNMSG: Unknown opcode [dec] received from [chars].

Explanation  The System Manager has received an unrecognized message with the specified opcode. [chars] is the source of the message. This message is for debugging purposes only.

Recommended Action  No action is required.

Message  SYSMGR-7-UNKNOWNPID: Opcode [dec] received from [chars] with unknown PID [dec]. Discarding.

Explanation  The System Manager has received a message from an unknown process. [chars] is the source of the message. This message is for debugging purposes only.

Recommended Action  No action is required.


Explanation  The System Manager has received an unrecognized message from the specified UUID. [chars] is the source of the message. This message is for debugging purposes only.

Recommended Action  No action is required.

SYSTEM HEALTH LC Messages

This section contains the SYSTEM HEALTH LC messages.
SYSTEM HEALTH LC-2

Message  SYSTEM HEALTH LC-2-OHMS_FIPS_FAILURE: FIPS compliance error during random number generation.

Explanation   FIPS compliance error.

Recommended Action   No action is required.

Message  SYSTEM HEALTH LC-2-OHMS_LC_CP_CRC_FAILED: Compact Flash firmware CRC checksum on module [dec] is corrupted.

Explanation   Compact flash firmware has been corrupted.

Recommended Action   Replace the compact flash on this module.

Message  SYSTEM HEALTH LC-2-OHMS_LC_CP_INIT_ERRORS: Compact Flash firmware CRC checksum procedure encountered an error during initialization on module [dec], reason:([chars]).

Explanation   Compact flash CRC checksum initializations failed.

Recommended Action   Check the compact flash on the board and any relevant system (mis) configurations.

Message  SYSTEM HEALTH LC-2-OHMS_LC_CP_REFLASH_FAILED: Compact Flash firmware refresh procedure failed, replace the compact flash on module [dec]. Reason [dec]

Explanation   Compact flash firmware has been corrupted.

Recommended Action   Replace the compact flash on this module.

Message  SYSTEM HEALTH LC-2-OHMS_LC_TCAM_PARITY_OFLOW: Too many TCAM Parity errors detected on module [dec]

Explanation   More parity errors than that can be corrected were detected on the affected module

Recommended Action   Please schedule a downtime and reload the module. If these errors continue to happen even after module reload, please replace the module.

SYSTEM HEALTH LC-4

Message  SYSTEM HEALTH LC-4-OHMS_BOOTFLASH_ERRORS: Bootflash test has encountered an error on module [dec] Reason:([chars]).

Explanation   Compact flash test errors.

Recommended Action   No action is required.
Message SYSTEM HEALTH LC-4-OHMS_EXIT: Online System Health exiting due to internal errors. Reason [dec]

Explanation Online System Health exiting due to internal errors.

Recommended Action No action is required.

Message SYSTEM HEALTH LC-4-OHMS_LC_BATTERY_ERRORS: Battery test on module [dec] has stopped due to internal errors.

Explanation Battery test internal errors

Recommended Action No action is required.

Message SYSTEM HEALTH LC-4-OHMS_LC_BOOTFLASH_TEST_ERR: Bootflash test cannot proceed due to internal errors on module [dec].

Explanation Compact flash test has had too many internal errors.

Recommended Action No action is required.

Message SYSTEM HEALTH LC-4-OHMS_LC_CACHE_DISK_ERRORS: Cache disk test on module [dec] dpp [dec] has stopped due to internal errors.

Explanation Cache disk test internal errors

Recommended Action No action is required.

Message SYSTEM HEALTH LC-4-OHMS_LC_CF_CRC_PASSED: Compact Flash firmware on module [dec] is healthy at this time.

Explanation The Compact Flash model has data retention issues and need to be replaced.

Recommended Action Please schedule a downtime and replace the compact flash on this module.

SYSTEM HEALTH LC-4-OHMS_LC_CF_CRC_PROCESS_ERR:

Message SYSTEM HEALTH LC-4-OHMS_LC_CF_CRC_PROCESS_ERR: Compact flash firmware CRC checksum procedure failed on module [dec]. Reason [dec]

Explanation Compact flash firmware CRC checksum procedure failed.

Recommended Action Try restarting the cf-crc-check using system health clear-errors module cf-crc-check. If the condition still persist, schedule a downtime and replace the compact flash on the affected module.
Message  SYSTEM HEALTH LC-4-OHMS_LC_CF_RECALLED: Compact Flash on module [dec] was recalled.

Explanation  The Compact flash model has data retention issues and need to be replaced.

Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEM HEALTH LC-4-OHMS_LC_CF_REFLASH_PASSED: Compact Flash firmware was successfully refreshed on module [dec].

Explanation  The Compact Flash model has data retention issues and need to be replaced.

Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEM HEALTH LC-4-OHMS_LC_CF_UNRESPONSIVE: Recalled Compact Flash on module [dec] is unresponsive.

Explanation  The Compact flash model has data retention issues and need to be replaced.

Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEM HEALTH LC-4-OHMS_LC_EOBC_ERRORS: EOBC test on module [dec] has stopped due to internal errors.

Explanation  EOBC test internal errors

Recommended Action  No action is required.

Message  SYSTEM HEALTH LC-4-OHMS_LC_EOBC_HALTED: EOBC Test Halted for module [dec]. Module needs EPLD Upgrade

Explanation  Module does not have the minimum required EPLD version to run EOBC test.

Recommended Action  Please upgrade the module with the latest EPLDs.

Message  SYSTEM HEALTH LC-4-OHMS_LC_TCAM_PARITY_ACL_FIB_TIMEOUT: TCAM test timeout waiting for ACL/FIB to update TCAM on module [dec]

Explanation  System health TCAM test timeout occurred while waiting for response from ACL/FIB

Recommended Action  If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

Message  SYSTEM HEALTH LC-4-OHMS_LC_TCAM_PARITY_ACL_FIB_UPDATE_FAILING: Tcam test failed as ACL/FIB failed to update TCAM on module [dec]

Explanation  ACL/FIB failed to update TCAM after soft parity errors were encountered.

Recommended Action  If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module
SYSTEM HEALTH LC-6

Message  SYSTEM HEALTH LC-6-OHMS_LC_STARTED: Online System Health started on LC.
Explanation  Online System Health started on a line card.
Recommended Action  No action is required.

SYSTEMHEALTH Messages

This section contains the SYSTEMHEALTH messages.

SYSTEMHEALTH-2

Explanation  Battery failed.
Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_BOOTFLASH_FAILED_RESET_DAY: Bootflash hard resets for module [dec] has reached threshold limit in 24 hours.
Explanation  Bootflash hard resets reached threshold limit in 24 hours.
Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_BOOTFLASH_FAILED_RESET_LIFE: Bootflash hard resets for module [dec] has reached the maximum threshold limit.
Explanation  Bootflash hard resets reached maximum threshold limit.
Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_BOOTFLASH_FAILED: Bootflash test maximum failures reached for module [dec] Reason: ([chars]).
Explanation  Bootflash failed.
Recommended Action  No action is required.

Explanation  Cache disk failed.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_EMGMT FAILED: Management port failed for module [dec].

Explanation  Ethernet management port failed.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_EOBC FAILED: EOBC test failed for module [dec].

Explanation  EOBC test failed for module.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_FIPS_FAILURE: FIPS compliance error during random number generation.

Explanation  FIPS compliance error.

Recommended Action  No action is required.


Explanation  System Health Free Disk Space below threshold.

Recommended Action  Force a switch over if a standby supervisor is available, or reboot the switch to recover.

Message  SYSTEMHEALTH-2-OHMS_FREE_DISK_RUNNING: Free Disk Space on partition [chars] have increased and is above [chars] threshold for module [dec].

Explanation  System Health Free Disk Space above threshold.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-2-OHMS_INBAND_FAILED: Inband test maximum failures reached for module [dec].

Explanation  Inband failed.

Recommended Action  No action is required.
**Message**  
SYSTEMHEALTH-2-OHMS_MOD_PORT_LB_TEST_FAILED: Module [dec] Port [dec] has failed loop back tests.

**Explanation**  
Port loop-back test failure.

**Recommended Action**  
No action is required.

**Message**  
SYSTEMHEALTH-2-OHMS_MOD_RELOAD_REQ: Module [dec] reload being requested due to errors found by [chars] test.

**Explanation**  
System Health Module Reload Request.

**Recommended Action**  
No action is required.

**Message**  
SYSTEMHEALTH-2-OHMS_MOD_SNAKE_TEST_FAILED: Module [dec] has failed snake loopback tests.

**Explanation**  
Snake test failure.

**Recommended Action**  
No action is required.

**Message**  
SYSTEMHEALTH-2-OHMS_NVRAM_FAILED: Nvram test maximum failures reached for module [dec] for blocks 0x%llx.

**Explanation**  
Nvram failed.

**Recommended Action**  
No action is required.

**Message**  
SYSTEMHEALTH-2-OHMS_SUP_CF_CRC_FAILED: Compact Flash firmware CRC checksum on module [dec] is corrupted.

**Explanation**  
Compact flash firmware has been corrupted.

**Recommended Action**  
Replace the compact flash on this module.

**Message**  
SYSTEMHEALTH-2-OHMS_SUP_CF_CRC_INIT_ERRORS: Compact Flash firmware CRC checksum procedure encountered an error during initialization on module [dec], reason: ([chars]).

**Explanation**  
Compact flash CRC checksum initializations failed.

**Recommended Action**  
Check the compact flash on the board and any relevant system (mis) configurations.

**Message**  
SYSTEMHEALTH-2-OHMS_SUP_CF_REFLASH_FAILED: Compact Flash firmware refresh procedure failed, replace the compact flash on module [dec]. Reason [dec]

**Explanation**  
Compact flash firmware has been corrupted is corrupted.

**Recommended Action**  
Replace the compact flash on this module.
**Message**  SYSTEMHEALTH-2-OHMS_SWITCHOVER_REQ: Supervisor switch over being requested due to errors found [chars] test.

**Explanation**  System Health Switch Over Request.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-2-OHMS_SWITCH_RELOAD_REQ: Switch reload request due to errors found [chars] test.

**Explanation**  System Health Switch Reload Request.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-2-OHMS_TCAM_PARITY_FAILED: TCAM test failed for module [dec].

**Explanation**  TCAM test failed for module as uncorrectable parity errors were detected.

**Recommended Action**  Please schedule a downtime and replace the module.

**Message**  SYSTEMHEALTH-2-OHMS_TCAM_PARITY_OFLOW: Too many TCAM Parity errors detected on module [dec]

**Explanation**  More parity errors than that can be corrected were detected on the affected module.

**Recommended Action**  Please schedule a downtime and reload the module. If these errors continue to happen even after module reload, please replace the module.

**SYSTEMHEALTH-4**

**Message**  SYSTEMHEALTH-4-OHMS_BATTERY_ERRORS: Battery test on module [dec] has been suspended due to internal errors.

**Explanation**  Battery test internal errors.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-4-OHMS_BOOTFLASH_TEST_ERRORS: Bootflash test cannot proceed due to internal errors on module [dec].

**Explanation**  Compact flash test internal errors.

**Recommended Action**  No action is required.
Message  SYSTEMHEALTH-4-OHMS_CACHE_DISK_ERRORS: Cache disk test on module [dec] dpp [dec] has been suspended due to internal errors.

   Explanation  Cache disk test internal errors.

   Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_CF_CRC_PASSED: Compact Flash firmware on module [dec] is healthy at this time.

   Explanation  The Compact Flash model has data retention issues and need to be replaced.

   Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEMHEALTH-4-OHMS_CF_REFLASH_PASSED: Compact Flash firmware was successfully refreshed on module [dec].

   Explanation  The Compact Flash model has data retention issues and need to be replaced.

   Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEMHEALTH-4-OHMS_EMGMT_ERRORS: Management port test cannot proceed due to internal errors on module [dec].

   Explanation  Ethernet management port internal errors.

   Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_EOBC_ERRORS: EOBC test on module [dec] has been suspended due to internal errors.

   Explanation  EOBC test internal errors.

   Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_EOBC_HALTED: EOBC Test Halted for module [dec]. Module needs EPLD Upgrade

   Explanation  Module does not have the minimum required EPLD version to run EOBC test.

   Recommended Action  Please upgrade the module with the latest EPLDs.

Message  SYSTEMHEALTH-4-OHMS_EXIT: Online System Health exiting due to internal errors. Reason [dec].

   Explanation  Online System Health exiting due to internal errors.

   Recommended Action  No action is required.
Message  SYSTEMHEALTH-4-OHMS_FAIL_ACTION_NOTICE: Failure action not taken, failure action is disabled.

Explanation  System Health SERDES test failure.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_FREE_DISK_ERRORS: Too many errors on module [dec] while running the Free Disk Space test for partition [chars].

Explanation  System Health Free Disk Space test has too many errors while running.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_FREE_DISK_FAILING: Free Disk Space on partition [chars] is starting to go below threshold for module [dec]

Explanation  System Health Free Disk Space going below threshold.

Recommended Action  Force a switch over if a standby supervisor is available, or reboot the switch to recover.

Message  SYSTEMHEALTH-4-OHMS_INBAND_FAILING1: Inband test failed [dec] times for module [dec].

Explanation  Inband Failing.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_INBAND_TEST_ERRORS: Too many errors while running the inband test.

Explanation  Inband test has had too many errors while running.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_LC_DAEMON_EXITED: System Health process running on module [dec] exited due to internal errors. Will attempt to restart.

Explanation  System Health line card daemon exited.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_LC_DAEMON_FAILED: System Health process running on module [dec] failed due to fatal errors.

Explanation  System Health line card daemon failed.

Recommended Action  No action is required.
Message  SYSTEMHEALTH-4-OHMS_LC_DAEMON_RESTARTED: System Health process running on module [dec] restarted.

Explanation  System Health line card daemon restarted.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_MOD_SNAKE_PATH_FAILURE: Snake Loopback data path failure on module [dec].

Explanation  Snake data path only error.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_MOD_SNAKE_TEST_ERRORS: Snake Loopback test cannot proceed due to internal errors for module [dec].

Explanation  Snake test internal errors.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_NVRAM_ERRORS: Too many errors on module [dec] while running the Nvram test.

Explanation  Nvram test has had too many errors while running.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_SERDES_FAILED: SERDES loopback test on interface fc[dec]/[dec] failed.

Explanation  System Health SERDES Test Failure.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_SUP_BOOTFLASH_ERRORS: Bootflash test has encountered an error on module [dec] Reason:([chars]).

Explanation  Compact flash test errors on supervisor.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-4-OHMS_SUP_CF_CRC_INTERN_ERRORS: Compact flash firmware CRC checksum procedure cannot proceed due to internal errors on module [dec].

Explanation  Compact flash firmware CRC checksum procedure ended up in errors.

Recommended Action  Try restarting the cf-crc-check using system health clear-errors module <x
Message  SYSTEMHEALTH-4-OHMS_SUP_CP_CRC_PROCESS_ERRORS: Compact flash firmware CRC checksum procedure failed on module [dec]. Reason [dec]

Explanation  Compact flash firmware CRC checksum procedure failed.

Recommended Action  Try restarting the cf-crc-check using system health clear-errors module <x

Message  SYSTEMHEALTH-4-OHMS_SUP_CP_CRC_TEST_FAILING: Compact flash firmware CRC checksum validation starting to fail on module [dec].

Explanation  Compact flash firmware CRC checksum might be bad on this module.

Recommended Action  Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

Message  SYSTEMHEALTH-4-OHMS_SUP_CP_RECALLED: Compact Flash on module [dec] was recalled.

Explanation  The Compact flash model has data retention issues and need to be replaced.

Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEMHEALTH-4-OHMS_SUP_CP_REFLASH_INTERN_ERRORS: Compact Flash firmware re-flash procedure cannot proceed due to internal errors on module [dec].

Explanation  Compact flash firmware re-flash procedure ended up in errors.

Recommended Action  Try restarting the test using system health clear-errors module <x

Message  SYSTEMHEALTH-4-OHMS_SUP_CP_REFLASH_TEST_FAILING: Compact flash firmware refresh procedure starting to fail on module [dec].

Explanation  Compact flash might be dead on this module.

Recommended Action  Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

Message  SYSTEMHEALTH-4-OHMS_SUP_CF_UNRESPONSIVE: Recalled Compact Flash on module [dec] is unresponsive.

Explanation  The Compact flash model has data retention issues and need to be replaced.

Recommended Action  Please schedule a downtime and replace the compact flash on this module.

Message  SYSTEMHEALTH-4-OHMS_SVC_DAEMON_FAILED: System Health process running on module [dec] SVC node [dec] exited due to errors.

Explanation  OHMS SVC daemon exited.

Recommended Action  No action is required.
Message  SYSTEMHEALTH-4-OHMS_TCAM_PARITY_ACL_FIB_TIMEOUT: TCAM test timeout waiting for ACL/FIB to update TCAM on module [dec]

Explanation  System health TCAM test timeout occurred while waiting for response from ACL/FIB

Recommended Action  If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

Message  SYSTEMHEALTH-4-OHMS_TCAM_PARITY_ACL_FIB_UPDATE_FAILING: Tcam test failed as ACL/FIB failed to update TCAM on module [dec]

Explanation  ACL/FIB failed to update TCAM after soft parity errors were encountered.

Recommended Action  If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

Message  SYSTEMHEALTH-4-OHMS_TCAM_PARITY_ERRORS: TCAM test on module [dec] has been suspended due to internal errors.

Explanation  TCAM test internal errors.

Recommended Action  No action is required.

SYSTEMHEALTH-5

Message  SYSTEMHEALTH-5-OHMS_BATTERY_FAILING: Battery [dec] starting to fail on module [dec]. Reason: [chars].

Explanation  System Health battery failing.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-5-OHMS_BOOTFLASH_FAILING: Bootflash starting to fail on module [dec].

Explanation  System Health bootflash failing.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-5-OHMS_CDISK_FAILING: Cache disk [dec] starting to fail on module [dec].

Explanation  System Health cache disk failing.

Recommended Action  No action is required.
**Message**  SYSTEMHEALTH-5-OHMS_EMGMT_FAILING: Management port on module [dec] starting to show signs of failures.

**Explanation**  System Health emgmt failing.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-5-OHMS_EOBC_FAILING: EOBC starting to fail on module [dec].

**Explanation**  System Health eobc failing.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-5-OHMS_INBAND_FAILING: Inband starting to fail on module [dec].

**Explanation**  System Health inband failing.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-5-OHMS_NVRAM_FAILING: Nvram starting to fail on module [dec].

**Explanation**  System Health Nvram failing.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-5-OHMS_SUP_CF_ERRORS_CLEARED: Compact flash failing conditions on module [dec] has been cleared.

**Explanation**  Compact flash might be dead on this module.

**Recommended Action**  Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message**  SYSTEMHEALTH-5-OHMS_TCAM_PARITY_CLEARED: Failing conditions for TCAM on module [dec] have been cleared.

**Explanation**  System Health TCAM failures cleared.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-5-OHMS_TCAM_PARITY_FAILING: TCAM starting to fail on module [dec].

**Explanation**  System Health Tcam failing.

**Recommended Action**  No action is required.
Message  SYSTEMHEALTH-5-OHMS_TEST_FAILING: [chars] test starting to fail on module [dec].

Explanation  System Health test failing.

Recommended Action  No action is required.

SYSTEMHEALTH-6


Explanation  HW failure analysis findings.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-6-OHMS_BATTERY_CLEARED: Failing conditions for battery [dec] on module [dec] have been cleared.

Explanation  System Health battery failure cleared.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-6-OHMS_BOOTFLASH_CLEARED: Failing conditions for bootflash on module [dec] have been cleared.

Explanation  System Health bootflash failures cleared.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-6-OHMS_CDISK_CLEARED: Failing conditions for cache disk [dec] on module [dec] have been cleared.

Explanation  System Health cache disk failure cleared.

Recommended Action  No action is required.

Message  SYSTEMHEALTH-6-OHMS_EMGMT_CLEARED: Failing conditions for management port on module [dec] have been cleared.

Explanation  System Health emgmt failure cleared.

Recommended Action  No action is required.
**Message**  SYSTEMHEALTH-6-OHMS_EOBC_CLEARED: Failing conditions for EOBC on module [dec] have been cleared.

**Explanation**  System Health eobc failures cleared.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-6-OHMS_FAILURE_CLEARED: Failing conditions for test [chars] have been cleared on module [dec].

**Explanation**  System Health failure cleared.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-6-OHMS_INBAND_CLEARED: Failing conditions for inband on module [dec] have been cleared.

**Explanation**  System Health inband failures cleared.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-6-OHMS_INBAND_DROP: Inband Dropping frames from module [dec] due to unknown reasons.

**Explanation**  System Health Inband non-timeout drop.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-6-OHMS_INBAND_TO_ERR: Inband Dropping frames from module [dec] due to timeout errors.

**Explanation**  System Health Inband timeout drop.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-6-OHMS_INBAND_TX_CONGESTION: Inband Unable to transmit due to TX path congestion on module [dec].

**Explanation**  System Health Inband TX congestion.

**Recommended Action**  No action is required.

**Message**  SYSTEMHEALTH-6-OHMS_NVRAM_CLEARED: Failing conditions for Nvram on module [dec] have been cleared.

**Explanation**  System Health Nvram failures cleared.

**Recommended Action**  No action is required.
Message  SYSTEMHEALTH-6-OHMS_STARTED: Online System Health started.

Explanation  Online System Health started.

Recommended Action  No action is required.

TACACS Messages

This section contains the TACACS messages.

TACACS-2

Message  TACACS-2-TACACS_PROGRAM_EXIT: TACACS+ daemon exiting: [chars]

Explanation  TACACS+ daemon is exiting.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

TACACS-3

Message  TACACS-3-TACACS_ERROR_MESSAGE: [chars]

Explanation  TACACS+ Message

Recommended Action  No action is required.

TACACS-4

Message  TACACS-4-TACACS_WARNING: [chars]

Explanation  TACACS+ warning

Recommended Action  No action is required.

TACACS-5

Message  TACACS-5-TACACS_MONITOR_STATUS: [chars] [chars]

Explanation  Notifying TACACS+ server monitor status change

Recommended Action  No action is required.
Message  TACACS-5-TACACS_NOTIFICATION: [chars]

Explanation  TACACS+ notification

Recommended Action  No action is required.

Message  TACACS-5-TACACS_SERVER_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

Explanation  Notifying Tacacs+ server status change

Recommended Action  No action is required.

TACACS-6

Message  TACACS-6-TACACS_ACCOUNTING_MESSAGE: [chars]

Explanation  Accounting Message

Recommended Action  No action is required.

Message  TACACS-6-TACACS_MESSAGE: [chars]

Explanation  TACACS+ Message

Recommended Action  No action is required.

**TBIRD_CMN_USD Messages**

This section contains the TBIRD_CMN_USD messages.

**TBIRD_CMN_USD-6**

Message  TBIRD_CMN_USD-6-TBIRD_CMN_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

**TBIRD_FWD_USD Messages**

This section contains the TBIRD_FWD_USD messages.
TBIRD_FWD_USD-6

Message  TBIRD_FWD_USD-6-TBIRD_FWD_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

TBIRD_MAC_USD Messages

This section contains the TBIRD_MAC_USD messages.

TBIRD_MAC_USD-3

Message  TBIRD_MAC_USD-3-FCMAC_ERR_MSG: [chars]

Explanation  Error log message

Recommended Action  No action is required.

TBIRD_MAC_USD-6

Message  TBIRD_MAC_USD-6-FCMAC_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

TBIRD_QUE_USD Messages

This section contains the TBIRD_QUE_USD messages.

TBIRD_QUE_USD-6

Message  TBIRD_QUE_USD-6-TBIRD_QUE_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

TBIRD_XBAR_USD Messages

This section contains the TBIRD_XBAR_USD messages.
**TBIRD_XBAR_USD-6**

Message  TBIRD_XBAR_USD-6-TBIRD_XBAR_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

**TCAP Messages**

This section contains the TCAP messages.

**TCAP-2**

Message  TCAP-2-MEM_FULL: Memory allocation failed.

Explanation  TCAP process has failed to allocate memory.

Recommended Action  Please perform a 'show tcap event-history' to collect more information.

Message  TCAP-2-PROC_DN: Process is shutting down: [chars]

Explanation  TCAP process is exiting.

Recommended Action  Please perform a 'show tcap event-history' to collect more information.

Message  TCAP-2-PROC_INITFAIL: Process initialization failed due to [chars].

Explanation  TCAP process has failed initialization.

Recommended Action  Please perform a 'show tcap event-history' to collect more information.'

**TIM Messages**

This section contains the TIM messages.

**TIM-2**

Message  TIM-2-IF_CRITICAL_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

Explanation  There was a critical failure in the component.

Recommended Action  Please follow instructions on the syslog.
Message  TIM-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

Explanation  The interface encountered an error while configuring it

Recommended Action  Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface or removing and re-inserting the fibre optic-cable.

Message  TIM-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)

Explanation  The physical link has gone down

Recommended Action  Ensure that the cable is connected and the remote end is not shut down


Explanation  Some component did not respond to a request in stipulated time.

Recommended Action  None

Message  TIM-2-SYSLOG_TIM_CRITICAL: Critical failure: [chars]

Explanation  There was a critical failure in the component.

Recommended Action  Please collect system tech-support

TIM Messages

TIM-3

Message  TIM-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)

Explanation  This interface belongs to a Port Channel and the Port Channel is error disabled

Recommended Action  Perform 'shut' and 'no shutdown' on the Port Channel interface that it belongs to'

Message  TIM-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

Explanation  The VLANs on an interface are being removed from the suspended state

Recommended Action  No action is required.
Message TIM-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

Explanation The VLANs on an interface are being suspended due to some protocol action

Recommended Action No action is required.

Message TIM-3-IF_SFP_ALARM: Interface [chars], [chars]

Explanation There was an alarm on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Message TIM-3-IF_SFP_ERROR: Interface [chars], [chars]

Explanation There was an error on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Message TIM-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported

Explanation The transceiver for the interface specified in the Message is not a Cisco supported module

Recommended Action Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

Message TIM-3-IF_XCVR_ALARM: Interface [chars], [chars]

Explanation There was an alarm on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Message TIM-3-IF_XCVR_ERROR: Interface [chars], [chars]

Explanation There was an error on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information
TIM Messages

TIM-4

Message TIM-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

Explanation The transceiver for the interface specified has not been qualified on this platform for this software release

Recommended Action Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Message TIM-4-IF_SFP_WARNING: Interface [chars], [chars]

Explanation There was an warning on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Message TIM-4-IF_XCVR_WARNING: Interface [chars], [chars]

Explanation There was an warning on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

TIM Messages

TIM-5

Message TIM-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]

Explanation Interface is admin up

Recommended Action No action is required.

Message TIM-5-IF_BANDWIDTH_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

Explanation Bandwidth of the interface (port channel) has changed and this change is updated

Recommended Action No action is required.
Message TIM-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)

Explanation Interface has been configured to be administratively down

Recommended Action Perform noshutdown"

Message TIM-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down (Config change)

Explanation FCIP interface temporarily down due to reconfiguration

Recommended Action No action is required.

Message TIM-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)

Explanation This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

Recommended Action Perform 'shut' and 'noshutdown' on the PortChannel interface that it belongs to.

Message TIM-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)

Explanation The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

Recommended Action Retry the configuration again

Message TIM-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

Explanation Isolated due to a failure while assigning a domain

Recommended Action No action is required.

Message TIM-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

Explanation Invalid RCF received.

Recommended Action No action is required.

Message TIM-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

Explanation Isolated due to domain manager being disabled

Recommended Action No action is required.
Message TIM-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

Explanation Remote end domain manager not responding.

Recommended Action No action is required.

Message TIM-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

Explanation Isolating this interface due to the remote end being isolated.

Recommended Action No action is required.

Message TIM-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

Explanation Isolated due to domain overlap.

Recommended Action No action is required.

Message TIM-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation ELP failed on the interface.

Recommended Action Check the output of 'show port internal info' in the ELP failure reason 'field'

Message TIM-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation Trunk protocol failed

Recommended Action 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed.

Message TIM-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

Explanation ESC failed on the interface

Recommended Action Check the output of show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed.
Message  TIM-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down (Tunnel port src interface down)

Explanation  Ethernet link to which the FCIP interface is bound is down.

Recommended Action  Ensure that the ethernet cable is connected, the interface is administratively enabled.

Message  TIM-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down (Tunnel port src interface link down)

Explanation  Ethernet link to which the FCIP interface is bound is down

Recommended Action  Ensure that the ethernet cable is connected and the remote end is also active

Message  TIM-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)

Explanation  The FCOT has been removed

Recommended Action  Insert an FCOT

Message  TIM-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

Explanation  Fcot inserted is not a supported one

Recommended Action  Please contact customer support for a list of authorized transceiver vendors

Message  TIM-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)

Explanation  The modules hardware has failed

Recommended Action  Collect more information about failed module using command 'show module internal all module'

Message  TIM-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)

Explanation  The port VSAN has been suspended or deleted

Recommended Action  Assign a new active port VSAN to the interface

Message  TIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

Explanation  The configured mode is not supported on this interface

Recommended Action  Perform a 'show port internal info' to determine the list of modes supported on this interface
Message TIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

Explanation The configured receive B2B credit size is not supported

Recommended Action Get the allowed receive B2B credit size from 'show port internal info'

Message TIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

Explanation The configured receive buffer size is not supported

Recommended Action Get the allowed receive buffer size from 'show port internal info'

Message TIM-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

Explanation The configured speed is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the range of speed supported on this interface

Message TIM-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)

Explanation The interface is in the process of coming up

Recommended Action If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

Message TIM-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)

Explanation Interface removed

Recommended Action No action is required.

Message TIM-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Message TIM-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)

Explanation Diag failed on the interface

Recommended Action Collect more information about failed interface using command 'attach module' to connect to module
Message  TIM-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

Explanation  The interface is looped back to another interface on the same switch

Recommended Action  Check the connectivity of this interface and ensure that it is connected to another switch

Message  TIM-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)

Explanation  Interface is down because the module was removed

Recommended Action  No action is required.

Message  TIM-5-IF_DOWN_NONE: Interface [chars] is down ([chars])

Explanation  Interface is down with a possible reason.

Recommended Action  Collect more information about port using command 'show port internal info/event-history' to determine why it went down

Message  TIM-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)

Explanation  The loop port has been put into non participating mode

Recommended Action  No action is required.

Message  TIM-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)

Explanation  The interface has been placed into the offline state

Recommended Action  No action is required.

Message  TIM-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)

Explanation  Parent interface is down

Recommended Action  No action is required.

Message  TIM-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

Explanation  The FCIP peer connected to this interface closed the TCP connection

Recommended Action  This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection
Message  TIM-5-IF_DOWN_PEER_RESET: Interface [chars] is down (TCP conn. reset by peer)

Explanation  TCP connection to the FCIP peer got reset

Recommended Action  The following commands will provide the IP address of the peer and the route used to connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Message  TIM-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)

Explanation  This is a PortChannel interface and all its members are operationally down

Recommended Action  Enable at least one of the PortChannel members

Message  TIM-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

Explanation  Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action  Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'noshutdown'

Message  TIM-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)

Explanation  There is an RCF in progress

Recommended Action  No action is required.

Message  TIM-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)

Explanation  The software servicing the data path on the port has failed

Recommended Action  No action is required.

Message  TIM-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down (Tunnel source module not online)

Explanation  Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action  The module that has the tunnel src port is coming online. Please use “show mod” to find module status
Message TIM-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

Explanation Tunnel port source interface unbound

Recommended Action No action is required.

Message TIM-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down (Tunnel src port removed)

Explanation Tunnel source port of this FCIP interface has been removed

Recommended Action The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

Message TIM-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode)

Explanation This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

Recommended Action Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message TIM-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

Explanation This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

Recommended Action Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

Message TIM-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

Explanation This interface belongs to a Port Channel and remote switch WWN of the interface is different from that of the PortChannel

Recommended Action Ensure that this interface is connected to the same remote switch as all the other interfaces in the Port Channel

Message TIM-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)

Explanation This interface belongs to a Port Channel and has been suspended due to an error while bringing it up

Recommended Action Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface
Message TIM-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down (TCP conn. closed - Keep alive expired)

Explanation TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message TIM-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down (TCP conn. closed - retransmit failure)

Explanation Interface is down due to maximum retransmission failure

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message TIM-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down (TCP conn. closed - Persist timer expired)

Explanation TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

Message TIM-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

Explanation Upgrade of the linecard software is in progress

Recommended Action No action is required.

Message TIM-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf down)

Explanation The VRF for which this interface is a member is removed

Recommended Action No action is required.

Message TIM-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

Recommended Action Check the VSANs configured on the local end with the remote end
Message TIM-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

Explanation Isolated due to a failure during zone merge

Recommended Action No action is required.

Message TIM-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

Explanation Isolated due to remote zone server not responding

Recommended Action No action is required.

Message TIM-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

Explanation Operational duplex mode has changed when link came up

Recommended Action No action is required.

Message TIM-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

Explanation Interface is being recovered from error disabled state

Recommended Action No action is required.

Message TIM-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]

Explanation There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

Recommended Action No action is required.

Message TIM-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]

Explanation The l2mp-mode on the port has changed

Recommended Action No action is required.

Message TIM-5-IF_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

Explanation Operational receive flow control has changed when link came up

Recommended Action No action is required.
Message TIM-5-IP_TRUNK_DOWN: Interface [chars], vlan [chars] down

Explanation Interface [chars] is trunking, VLANs [chars] are down

Recommended Action The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

Message TIM-5-IP_TRUNK_UP: Interface [chars], vlan [chars] up

Explanation Interface [chars] is trunking, VLANs [chars] are up

Recommended Action No action is required.

Message TIM-5-IP_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

Explanation Operational transmit flow control has changed when link came up

Recommended Action No action is required.

Message TIM-5-IF_UP: Interface [chars] is up [chars]

Explanation Interface is up in mode specified, if applicable

Recommended Action No action is required.

Message TIM-5-SPEED: Interface [chars], operational speed changed to [chars]

Explanation Operational speed has changed when link came up

Recommended Action No action is required.

Message TIM-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

Explanation Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

Recommended Action Identify source of traffic storm

Message TIM-5-STORM_CONTROL_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured storm-control threshold [chars]

Explanation Traffic on specified port has returned to within configured storm-control threshold

Recommended Action No action is required.
TLPORT Messages

This section contains the TLPORT messages.

TLPORT-2

Message TLPORT-2-INITFAIL: TL Port Manager Initialization failed: [chars]

Explanation TL Port Manager initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

TLPORT-3

Message TLPORT-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

Explanation TL Port Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Message TLPORT-3-FC2ERROR: [chars]

Explanation TL Port Manager encountered an FC2 error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

Message TLPORT-3-GENERROR: [chars]

Explanation TL Port Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

Recommended Action No action is required.

Message TLPORT-3-MTSERROR: [chars]

Explanation TL Port Manager encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.
Message  TLPORT-3-PSSERROR: [chars]

Explanation  TL Port Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action  No action is required.

TLPORT-4

Message  TLPORT-4-TLPM_ALPA_CACHE_FULL: Translation Port ALPA cache is full. Some new entries may not be cached

Explanation  TL Port cache is currently fully populated with active entries. Hence, there is no available cache space to be assigned any newly created alpa entry on a TL Port. This is an informational message.

Recommended Action  No action is required.

TLPORT-6

Message  TLPORT-6-MGRCREATED: Translation Port Manager created.

Explanation  TL Port Manager was created successfully and is up and running. This is an informational message.

Recommended Action  No action is required.

Message  TLPORT-6-MGREXIT: Translation Port Manager shutting down gracefully.

Explanation  TL Port Manager is shutting down gracefully. This is an informational message.

Recommended Action  No action is required.

Message  TLPORT-6-PORTDOWN: Translation Port [chars] DOWN.

Explanation  A port configured as TL Port is DOWN and out of operation. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

Recommended Action  No action is required.

Message  TLPORT-6-PORTUP: Translation Port [chars] UP.

Explanation  A port configured as TL Port is UP and operational. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

Recommended Action  No action is required.
TPC Messages

This section contains the TPC messages.

**TPC-SLOT#-5**

**Message**  TPC-SLOT#-5-LOG_ERR_TPC_DPP_DEAD: VSAN:[dec] VT pWWN:[chars] DPP died

**Explanation**  The DPP associated with the Virtual Target has crashed

**Recommended Action**  No action is required.

**Message**  TPC-SLOT#-5-LOG_ERR_TPC_VT_ACT_FAILED: VSAN :[dec] VT pWWN :[chars] VT Activate failed

**Explanation**  The activate step for a Virtual Target has failed

**Recommended Action**  No action is required.

**Message**  TPC-SLOT#-5-LOG_ERR_TPC_VT_CREATE_FAIL: VSAN:[dec] VT pWWN :[chars] VT and NPort creation FAILED !!!

**Explanation**  The Virtual Target and nport creation failed

**Recommended Action**  No action is required.

**Message**  TPC-SLOT#-5-LOG_ERR_TPC_VT_DESTROYED: VSAN :[dec] Virtual Target : [chars] Deleted

**Explanation**  The Virtual Target in the associated VSAN is being destroyed

**Recommended Action**  No action is required.

**Message**  TPC-SLOT#-5-LOG_ERR_TPC_VT_VSAN_DOWN: VSAN :[dec] VT pWWN :[chars] VSAN down

**Explanation**  The VSAN where the Virtual Target is configured is down

**Recommended Action**  No action is required.

**TTYD Messages**

This section contains the TTYD messages.
TTYD-2

**Message**  TTYD-2-TTYD_ERROR: TTYD Error [chars]

**Explanation**  Critical TTY daemon error.

**Recommended Action**  No action is required.

**Message**  TTYD-2-TTYD_MTS: TTYD Message queue [dec] [chars]

**Explanation**  TTY daemon message error.

**Recommended Action**  No action is required.

**Message**  TTYD-2-TTYD_SDWRAP: TTYD Debug Facility error [dec] [chars]

**Explanation**  TTY daemon Debug Facility failed.

**Recommended Action**  No action is required.

TTYD-3

**Message**  TTYD-3-TTYD_MISC_ERROR: Error [chars] with error [chars]([hex])

**Explanation**  TTY daemon errors.

**Recommended Action**  No action is required.

TTYD-6

**Message**  TTYD-6-TTYD_MISC: TTYD [chars]

**Explanation**  The tty daemon miscellaneous message.

**Recommended Action**  No action is required.

**Message**  TTYD-6-TTYD_PSS: TTYD Store error:[hex] [chars]

**Explanation**  Failed to store configuration for TTY service.

**Recommended Action**  No action is required.

TUNNEL Messages

This section contains the TUNNEL messages.
TUNNEL-2

**Message**  TUNNEL-2-FEATURE_ENABLE_FAILED: failed to enable feature tunnel, reason [chars] ([hex])

**Explanation**  Failed to enable feature tunnel, reason [char] ([int])

**Recommended Action**  Check the failure reason and take appropriate action to fix the failure. If unable to fix, please capture “show tech-support tunnel”

**Message**  TUNNEL-2-TM_F2_ONLY_VDC: Tunnel feature is not supported in F2 only VDC

**Explanation**  Tunnel feature is not supported in F2 only VDC

**Recommended Action**  Disable the Tunnel feature by the CLI “no feature tunnel”

TUNNEL-3

**Message**  TUNNEL-3-HW_PROGRAMMING_FAILED: for [chars], reason [chars]

**Explanation**  Hardware programming failed for tunnel [num] interface

**Recommended Action**  Try 'shutdown' and a 'noshutdown' under tunnel interface submode after sometime. If still tunnel interface doesn’t come up capture 'show tech-support tunnel' to identify the issue

TUNNEL-4

**Message**  TUNNEL-4-TM_DF_PROGRAMMING_FAILED: [chars] DF(dont fragment) programming failed! status [hex]

**Explanation**  [chars] DF programming failed! status [int]

**Recommended Action**  Capture “show tech-support tunnel” to identify why DF flag programing failed

**Message**  TUNNEL-4-TM_DF_PROGRAMMING: Programming [chars] DF (dont fragment) df.sel [dec] df.val [dec]

**Explanation**  Programming [chars] DF df.sel [int] df.val [int]

**Recommended Action**  No action is required.
Message TUNNEL-4-TM_MTU_PROGRAMMING FAILED: [chars] mtu [dec] programming failed! status [hex]

Explanation [chars] MTU [int] programming failed! status [int]

Recommended Action Capture show "tech-support tunnel" to identify why MTU programming as failed. Tunnel interface will used default MTU value.

Message TUNNEL-4-TM_MTU_PROGRAMMING: Programming [chars] mtu [dec]...

Explanation Programming [chars] mtu [int]

Recommended Action No action is required.

TUNNEL-5

Message TUNNEL-5-IF_CLEAR_COUNTER: Interface [chars] counters is cleared

Explanation Interface [char] counters is cleared

Recommended Action No action is required.

Message TUNNEL-5-IF_CREATED: Interface [chars] is created

Explanation Interface [char] is created

Recommended Action No action is required.

Message TUNNEL-5-IF_CREATE_FAILED: Interface [chars] creation failed due to [int] [chars]

Explanation Interface [char] is creation failed due to [int] [char]

Recommended Action No action is required.

Message TUNNEL-5-IF_DELETED: Interface [chars] is deleted

Explanation Interface [char] is deleted

Recommended Action No action is required.

Message TUNNEL-5-IF_STATE_UPDATE: Interface [chars] is [chars] reason [chars]

Explanation Interface [char] is [char] reason [char]

Recommended Action No action is required.
Message  TUNNEL-5-PPF_SESSION_FAILED: session id %llx type [chars] for [chars] failed error [hex] [chars]

Explanation  Session id [int] type [char] for [char] failed error [int] [char]

Recommended Action  No action is required.

Message  TUNNEL-5-TM_DISABLED: Tunnel Disabled

Explanation  Tunnel Service Disabled

Recommended Action  No action is required.

Message  TUNNEL-5-TM_ENABLED: Tunnel Enabled

Explanation  Tunnel Service Enabled

Recommended Action  No action is required.

TUNNEL-7

Message  TUNNEL-7-TM_INFO: [chars]

Explanation  Tunnel Service info

Recommended Action  No action is required.

TUSCANY_APP Messages

This section contains the TUSCANY_APP messages.

TUSCANY_APP-SLOT#-2

Message  TUSCANY_APP-SLOT#-2-TUSCANY_APP_EXITED: Tuscany driver application exited (syserr = [dec], errno = [dec])

Explanation  Tuscany driver application exited

Recommended Action  No action is required.
U to Z

This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

U2RIB Messages

This section contains the U2RIB messages.

U2RIB-2

**Message**  U2RIB-2-IPC_PROCESSING_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation**  U2RIB encountered an error in processing an MTS message. The error and message are specified in the error message

**Recommended Action**  No action is required.

**Message**  U2RIB-2-U2RIB_INIT: U2RIB initialization of [chars] [chars]

**Explanation**  U2RIB initialization failed

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

U2RIB-3

**Message**  U2RIB-3-U2RIB_LD_BLNCE_ERROR: Error in config. lb parameters using the DCEFIB Library, error code = [hex], [chars]

**Explanation**  Error while communicating with the DEFFIB library

**Recommended Action**  No action is required.
**U2RIB-5**

**Message**  
U2RIB-5-U2RIB_DISABLED: U2RIB Disabled

**Explanation**  
U2RIB Service Disabled

**Recommended Action**  
No action is required.

**Message**  
U2RIB-5-U2RIB_ENABLED: U2RIB Enabled

**Explanation**  
U2RIB Service enabled

**Recommended Action**  
No action is required.

**U2RIB-6**

**Message**  
U2RIB-6-STATE_CREATED: Internal state created [chars]

**Explanation**  
U2RIB has created its internal state stateless/stateful [chars].

**Recommended Action**  
No action is required.

**UDLD Messages**

This section contains the UDLD messages.

**UDLD-3**

**Message**  
UDLD-3-IDB_ERROR: UDLD error handling [chars] interface: [chars]

**Explanation**  
A software error occurred in UDLD processing associated with a specific interface.

**Recommended Action**  
LOG_STD_SH_TECH_ACTION

**Message**  
UDLD-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation**  
Failed to send a message

**Recommended Action**  
LOG_STD_SH_TECH_ACTION

**Message**  
UDLD-3-UDLD_INTERNAL_ERROR: UDLD internal error: [chars]

**Explanation**  
A software sanity check failed in the course of UDLD processing.

**Recommended Action**  
LOG_STD_SH_TECH_ACTION
**Message**  UDLD-3: UDLD INTERNAL_IF_ERROR: UDLD internal error, interface [chars]: [chars]

**Explanation** A software sanity check failed in the course of UDLD processing.

**Recommended Action** LOG_STD_SH_TECH_ACTION

**UDLD-4**

**Message**  UDLD-4: UDLD_GWRAP_COUNT: UDLD gwrap count is %lu, please log a 'show tech udld' for detail info.

**Explanation** UDLD gwrap count reached high level, show tech udld is needed to debug it.

**Recommended Action** LOG_STD_SH_TECH_ACTION

**Message**  UDLD-4: UDLD_NEIGHBOR_MISMATCH: UDLD neighbor mismatch detected, exp: [chars], rec [chars]. Please collect debug info using: http://zed.cisco.com/confluence/display/KGP/UDLD+debug

**Explanation** An interface will be disabled because UDLD protocol detected a neighbor mismatch condition on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

**Recommended Action** LOG_STD_SH_TECH_ACTION

**Message**  UDLD-4: UDLD_PORT_DISABLED: Interface [chars], link error detected: [chars]. Please collect debug info using: http://zed.cisco.com/confluence/display/KGP/UDLD+debug

**Explanation** An interface was disabled because UDLD protocol detected the cause on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

**Recommended Action** LOG_STD_SH_TECH_ACTION

**Message**  UDLD-4: UDLD_PORT_RESET: UDLD reset interface [chars]

**Explanation** A port which had been disabled for UDLD has been reset.

**Recommended Action** LOG_STD_SH_TECH_ACTION

**UDLD-5**

**Message**  UDLD-5: UDLD_AGGRESSIVE: UDLD Aggressive

**Explanation** UDLD Service Aggressive

**Recommended Action** No action is required.
Message UDLD-5-UDLD_DISABLED: UDLD Disabled
Explanation UDLD Service Disabled
Recommended Action No action is required.

Message UDLD-5-UDLD_ENABLED: UDLD Enabled
Explanation UDLD Service Enabled
Recommended Action No action is required.

UFDM Messages

This section contains the UFDM messages.

UFDM-2

Message UFDM-2-DNLD_TIMEDOUT: Download timer expired: [chars]
Explanation UFDM download timer expired. Collect show tech-support forwarding l3 unicast for further analysis.
Recommended Action No action is required.

Message UFDM-2-FIB_ROUTE_UPDATE_ERR: Route update error from slot [dec] FIB
Explanation FIB returned route update error. Collect show tech-support forwarding l3 unicast for further analysis.
Recommended Action No action is required.

Message UFDM-2-INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support forwarding l3 unicast... command
Explanation UFDM hit a internal error. Collect show tech-support forwarding l3 unicast for further analysis.
Recommended Action No action is required.

USBHSD Messages

This section contains the USBHSD messages.
**USBHSD-1**

**Message** USBHSD-1-MANUAL_FORMAT: logflash needs to be formatted

**Explanation** Logflash is not accessible; use format logflash: to format it

**Recommended Action** No action is required.

**USBHSD-2**

**Message** USBHSD-2-AUTO_FORMAT: logflash auto-format [chars]

**Explanation** Logflash auto-format event

**Recommended Action** No action is required.

**Message** USBHSD-2-DISK_BUSY_FAILED: Cannot unmount [chars],

**Explanation** The specified disk interface is in use it can not be un-mounted, The user may experience file system corruption

**Recommended Action** Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

**Message** USBHSD-2-DISK_FSCK_FAIL: file system check returned error on slot [dec]

**Explanation** Flash file system may be corrupted, the flash was taken while it was being accessed

**Recommended Action** Reform at the external flash

**Message** USBHSD-2-DISK_MOUNT_FAIL: disk mount unsuccessful on [chars]

**Explanation** Unknown flash filesystem or not cleanly un-mounted

**Recommended Action** Use vfat flash only and make sure external slot is not being accessed then re-insert flash

**Message** USBHSD-2-DISK_RESCAN_FAIL: disk rescan unsuccessful on [chars]

**Explanation** Flash filesystem was not cleanly un-mounted

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash
USBHSD-2

**Message**    USBHSD-2-DISK_UNMOUNT_FAIL: disk unmount unsuccessful for [chars]

**Explanation**    Flash filesystem is busy the system could not un-mount it

**Recommended Action**    Make sure external slot is not being accessed and re-inset the flash

**Message**    USBHSD-2-FORK: fork failed ([chars] process)

**Explanation**    The flash daemon failed to fork

**Recommended Action**    No action is required.

**Message**    USBHSD-2-INTERNAL_ERROR: Internal Error [dec]

**Explanation**    The flash daemon interface returns error

**Recommended Action**    Restart the IDEHSD deamon

**Message**    USBHSD-2-MOUNT: [chars] online

**Explanation**    Flash daemon mounting slot

**Recommended Action**    No action is required.

**Message**    USBHSD-2-UMOUNT: [chars] offline

**Explanation**    Flash daemon un-mounting slot

**Recommended Action**    No action is required.

**Message**    USBHSD-2-USB_SWAP: USB insertion or removal detected

**Explanation**    USB swap event

**Recommended Action**    No action is required.

**USBHSD-3**

**Message**    USBHSD-3-DEVICEOPEN_FAILED: device open failed. Component [chars]

**Explanation**    The flash daemon device open failed The failure is due to the sub-component [chars]

**Recommended Action**    No action is required.
USBHSD-5

Message  USBHSD-5-DISK_SWAP: [chars] [chars]
Explanation  Compact flash swap event
Recommended Action  No action is required.

USBHSD-6

Message  USBHSD-6-DISK_BUSY: trying to unmount disk [chars]
Explanation  Flash daemon trying to un-mount busy slot
Recommended Action  No action is required.

Message  USBHSD-6-DISK_EVENT: slot [dec] [chars]
Explanation  Flash daemon found a disk hotswap handler event
Recommended Action  No action is required.

Message  USBHSD-6-IOCTL: ioctl: [chars] returns [dec]
Explanation  Flash daemon trying to un-mount busy slot
Recommended Action  No action is required.

Message  USBHSD-6-STARTING: daemon started
Explanation  The compact flash swap daemon successfully started
Recommended Action  No action is required.

Message  USBHSD-6-USBHSD_INFO: [chars]
Explanation  Flash daemon informational message
Recommended Action  No action is required.
USBHSD-7

Message  USBHSD-7-USBHSD_TRACE: [chars]() [chars]:[dec] disk=[dec]
Explanation  Flash daemon debug message to trace code path
Recommended Action  No action is required.

USDBA-2

Message  USDBA-2-USDBA_CRC_ERR: USDBA received packet(s) with CRC error
Explanation  USDBA received packet(s) with CRC error on downlink(s)
Recommended Action  use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands diagnostic start module <mod> test all and show diagnostic result module <mod> test all detail. The result will display the information about the failures in HW, if any.

VAJRA_USD Messages

This section contains the VAJRA_USD messages.

VAJRA_USD-6

Message  VAJRA_USD-6-VAJRA_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.

VAL_USD Messages

This section contains the VAL_USD messages.

VAL_USD-6

Message  VAL_USD-6-VAL_DEBUG_MSG: [chars]
Explanation  Debug log message
Recommended Action  No action is required.
VDC_MGR Messages

This section contains the VDC_MGR messages.

VDC_MGR-2

Message  VDC_MGR-2-VDC_CRITICAL: vdc_mgr has hit a critical error: [chars]

Explanation Vdc_mgr has hit a critical error

Recommended Action A critical error has been hit within vdc_mgr. Please check show vdc to determine the state of the vdc

Message  VDC_MGR-2-VDC_LIC_WARN_EXP: WARNING License for vdc is about to expire! VDCs will be deleted if license is allowed to expire

Explanation VDC license is close to expire

Recommended Action Please contact your sales representative to obtain a license

Message  VDC_MGR-2-VDC_LIC_WARN: Service using grace period will be shutdown in [dec] day(s)

Explanation The license for vdc is not installed and currently running in the grace period

Recommended Action Vdcs will continue to work within the grace period, but obtaining a license is recommended

Message  VDC_MGR-2-VDC_OFFLINE: vdc [dec] is now offline

Explanation The vdc has been shut down. Either it has been deleted or has just completed ungraceful cleanup

Recommended Action If the vdc was deleted, no action is necessary. Otherwise vdc_mgr may attempt to recreate it according to the ha-policy that has been set

Message  VDC_MGR-2-VDC_ONLINE: vdc [dec] has come online

Explanation Vdc_mgr has finished creating a vdc and it is ready to use

Recommended Action No action is required.
Message VDC_MGR-2-VDC_UNALLOCATED: Module [dec] is unsupported by the current vdc and some of its ports have been placed in the unallocated pool.

Explanation The module is of a type unsupported by the current vdc. You can see port membership by 'show vdc membership' and check the current vdc's configuration through 'show vdc'

Recommended Action Allocate interfaces to a vdc that supports this module type or change the current vdc to support this module type via the 'limit-resource module-type' command

Message VDC_MGR-2-VDC_UNGRACEFUL: vdc_mgr: Ungraceful cleanup request received for vdc [dec], restart count for this vdc is [dec] restarts within the last 5 minutes

Explanation Vdc_mgr has begun ungraceful cleanup for a vdc

Recommended Action There has been a failure within the vdc and vdc_mgr has begun the cleanup process. Use show vdc to determine its state

VDC_MGR-3

Message VDC_MGR-3-VDC_ERROR: vdc_mgr: [chars]

Explanation Vdc_mgr has received bad data but will try to continue

Recommended Action Vdc_mgr will attempt to correct the error at hand

VDC_MGR-5

Message VDC_MGR-5-VDC_FEATURESET_ALLOW: vdc_mgr: Feature-set [chars] can now be used in this vdc

Explanation Allowed feature-set config has changed

Recommended Action No action is required.

Message VDC_MGR-5-VDC_FEATURESET_DISALLOW: vdc_mgr: Feature-set [chars] is now disallowed in this vdc

Explanation Allowed feature-set config has changed

Recommended Action No action is required.

Message VDC_MGR-5-VDC_HOSTNAME_CHANGE: vdc [dec] hostname changed to [chars]

Explanation Host name for a vdc has changed.

Recommended Action No action is required.
Message  VDC_MGR-5-VDC_MEMBERSHIP_ADD: vdc_mgr: Interface [chars] has been added to this vdc

Explanation  A new interface has been added to this vdc

Recommended Action  No action is required.

Message  VDC_MGR-5-VDC_MEMBERSHIP_DELETE: vdc_mgr: Interface [chars] has been removed from this vdc

Explanation  A new interface has been removed from this vdc

Recommended Action  No action is required.

Message  VDC_MGR-5-VDC_MODULETYPE: vdc_mgr: Module type changed to [chars]

Explanation  This vdc has been changed to support only the type of modules listed

Recommended Action  No action is required.

Message  VDC_MGR-5-VDC_STATE_CHANGE: vdc [dec] state changed to [chars]

Explanation  A vdc state change has happened. This is most likely due to a configuration change.

Recommended Action  No action is required.

Message  VDC_MGR-5-VDC_SWMODULETYPE: vdc_mgr: System Module type changed to [chars]

Explanation  This switch has been changed to support only the type of modules listed

Recommended Action  No action is required.

VEC Messages

This section contains the VEC messages.

VEC-SLOT#-3

Message  VEC-SLOT#-3-LOG_DPP_EXCEPTION: DPP Exception DPP [dec]

Explanation  No action is required.

Recommended Action  Vec

**Explanation**  The disk GUID verification performed by the DPP failed. Access to the disk is denied.

**Recommended Action**  No action is required.

**VEC-SLOT#-4**

**Message**  VEC-SLOT#-4-LOG_DPP_REBOOTED: DPP [dec] Rebooted

**Explanation**  No action is required.

**Recommended Action**  Vec

**VEC-SLOT#-5**

**Message**  VEC-SLOT#-5-LOG_ERR_VEC_DISK: SCSI STATUS([hex]) [chars] SENSE_KEY([hex]) [chars] ASC([hex]) ASCQ([hex]) [chars]

**Explanation**  No action is required.

**Recommended Action**  Vec


**Explanation**  An Event is received for a State in the VEC DPP Monitor FSM which should not have occurred

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VEC DPRLI FSM which should not have occurred

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VEC Guide ID FSM which should not have occurred

**Recommended Action**  No action is required.

**Explanation**  An Event is received for a State in the VEC HOST LMAP XP FSM which should not have occurred

**Recommended Action**  No action is required.

**Message**  VEC-SLOT#-5-LOG_ERR_VEC_HOST_LOGO: Logging out Host [VSAN:[dec] pWWN :[chars]] logged in to VEP [pWWN:[chars]]. Reason: Host not responding

**Explanation**  The Host HBA is logged out from the VEP as it is not responding to ADISCs initiated from the VEP

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VEC HOST XP FSM which should not have occurred

**Recommended Action**  No action is required.

**Message**  VEC-SLOT#-5-LOG_ERR_VEC_HOST: Host VSAN :[dec] Host pWWN :[chars] access denied to VEP pWWN :[chars] due to licensing

**Explanation**  The Host HBA is denied access to the VEP due to licensing

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VEC NPORT FSM which should not have occurred

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VEC PID FSM which should not have occurred

**Recommended Action**  No action is required.

Explanation  An Event is received for a State in the VEC TARGET FSM which should not have occurred

Recommended Action  No action is required.


Explanation  An Event is received for a State in the VEC TCAM MON FSM which should not have occurred

Recommended Action  No action is required.


Explanation  An Event is received for a State in the VEC TP FSM which should not have occurred

Recommended Action  No action is required.


Explanation  An Event is received for a State in the VEC VEP FSM which should not have occurred

Recommended Action  No action is required.

Message  VEC-SLOT#-5-LOG_ERR_VEC_VEP_ILC_LIMIT: VEP [VSAN:{dec} pWWN :{chars}] could not be created. Reason: ILC VEP limit [dec] reached

Explanation  The VEP could not be created as the per ILC limit of VEPs has been reached

Recommended Action  No action is required.


Explanation  An Event is received for a State in the VEC VLUN FSM which should not have occurred

Recommended Action  No action is required.
**Message**  

**Explanation**  
An Event is received for a State in the VEC VO FSM which should not have occurred.

**Recommended Action**  
No action is required.

**Message**  

**Explanation**  
An Event is received for a State in the VEC VSAN FSM which should not have occurred.

**Recommended Action**  
No action is required.

**Message**  

**Explanation**  
An Event is received for a State in the VEC VSAN XCHG FSM which should not have occurred.

**Recommended Action**  
No action is required.

**Message**  
VEC-SLOT#-5-LOG_NOTICE_VEC_SLEEP_THRESH: VEC not scheduled for [dec] seconds

**Explanation**  
The VEC process sleep threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action**  
No action is required.

**Message**  
VEC-SLOT#-5-LOG_NOTICE_VEC_WORK_THRESH: VEC did not yeild the cpu for [dec] seconds

**Explanation**  
The VEC process work threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action**  
No action is required.

**VEDB_MGR Messages**

This section contains the VEDB_MGR messages.
**VEDB_MGR-2**

**Message**  
VEDB_MGR-2-MALLOC_ERROR: Size [dec] bytes

**Explanation**  
The VEDB library could not allocate memory.

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**VEDB_MGR-6**

**Message**  
VEDB_MGR-6-EXITING: Exited due to [chars]

**Explanation**  
The VEDB library has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action**  
No action is required.

**Message**  
VEDB_MGR-6-SERVICE_UP: Initialized [chars]

**Explanation**  
The VEDB library is up and ready to accept client requests. The service was initialized in [char] mode.

**Recommended Action**  
No action is required.

**VES Messages**

This section contains the VES messages.

**VES-SLOT#-4**

**Message**  
VES-SLOT#-4-LOG_WARNING_VES_CONFIG_TOO_BIG: Volume [chars] configuration too large to virtualize

**Explanation**  
The VES maximum volume configuration was exceeded. Volume will be virtualize by the cop.

**Recommended Action**  
No action is required.
VES-SLOT#-5

**Message**  VES-SLOT#-5-LOG_ERR_VES_PATH_FSM: disk guids dont match - received verify_mismatch for pid [dec] from vec [dec]

**Explanation**  An VERIFY MISMATCH Event is received for a State in the VES PATH FSM which should not have occurred

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VES VEP FSM which should not have occurred

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VES VSAN FSM which should not have occurred

**Recommended Action**  No action is required.


**Explanation**  An Event is received for a State in the VES VSAN XCHG FSM which should not have occurred

**Recommended Action**  No action is required.

**Message**  VES-SLOT#-5-LOG_NOTICE_VES_SLEEP_THRESH: VES not scheduled for [dec] seconds

**Explanation**  The VES process sleep threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action**  No action is required.

**Message**  VES-SLOT#-5-LOG_NOTICE_VES_WORK_THRESH: VES did not yeild the cpu for [dec] seconds

**Explanation**  The VES process work threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action**  No action is required.
VFC Messages

This section contains the VFC messages.

VFC-3

Message  VFC-3-VFC_MEM_ERROR: Memory consistency problem

Explanation  Miscellaneous target error

Recommended Action  No action is required.

Message  VFC-3-VFC_TGT_ERROR: Target error: [chars] 0x%llx

Explanation  Miscellaneous target error

Recommended Action  No action is required.

VFC-6

Message  VFC-6-STARTING: daemon started

Explanation  The VFC daemon successfully started

Recommended Action  No action is required.

VIPER_CMN_USD Messages

This section contains the VIPER_CMN_USD messages.

VIPER_CMN_USD-6

Message  VIPER_CMN_USD-6-VIPCMN_DEBUG_MSG: [chars]

Explanation  Debug log message

Recommended Action  No action is required.

VIPER_ICB_USD Messages

This section contains the VIPER_ICB_USD messages.
VIPER_ICB_USD-2

Message VIPER_ICB_USD-2-VIP_ICB_TEST: [chars]
Explanation Debug log message
Recommended Action No action is required.

VIPER_ICB_USD-6

Message VIPER_ICB_USD-6-VIP_ICB_DEBUG_MSG: [chars]
Explanation Debug log message
Recommended Action No action is required.

VIPER_MAC_USD Messages

This section contains the VIPER_MAC_USD messages.

VIPER_MAC_USD-6

Message VIPER_MAC_USD-6-VIPER_MAC_DEBUG_MSG: [chars]
Explanation Debug log message
Recommended Action No action is required.

VIPER_XBAR_USD Messages

This section contains the VIPER_XBAR_USD messages.

VIPER_XBAR_USD-6

Message VIPER_XBAR_USD-6-VIPER_XBAR_DEBUG_MSG: [chars]
Explanation Debug log message
Recommended Action No action is required.

VIP_FWD Messages

This section contains the VIP_FWD messages.
VIP_FWD-6

**Message**  VIP_FWD-6-VIP_FWD_DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

VIP_ILK Messages

This section contains the VIP_ILK messages.

VIP_ILK-6

**Message**  VIP_ILK-6-VIP_ILK_DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

VLAN_MGR Messages

This section contains the VLAN_MGR messages.

VLAN_MGR-2

**Message**  VLAN_MGR-2-CRITICAL_MSG: [chars]

**Explanation**  VLAN Manager Critical Message

**Recommended Action**  No action is required.

VLAN_MGR-3

**Message**  VLAN_MGR-3-ERROR_MSG: [chars]

**Explanation**  VLAN manager error

**Recommended Action**  No action is required.
**VLAN_MGR-4**

**Message**  
VLAN_MGR-4-WARN_MSG: [chars]

**Explanation**  
VLAN manager warning

**Recommended Action**  
No action is required.

**VLAN_MGR-5**

**Message**  
VLAN_MGR-5-NOTIF_MSG: [chars]

**Explanation**  
VLAN Manager Notification Message

**Recommended Action**  
No action is required.

**Message**  
VLAN_MGR-5-RESERVED_VLAN_RANGE_CHANGED: New Reserved VLAN Range Configured From VLAN [dec] to VLAN [dec]

**Explanation**  
VLAN Manager Reserved VLAN Reconfiguration Message

**Recommended Action**  
No action is required.

**VLAN_MGR-6**

**Message**  
VLAN_MGR-6-INFO_MSG: [chars]

**Explanation**  
VLAN manager info

**Recommended Action**  
No action is required.

**Message**  
VLAN_MGR-6-VLAN_CREATED: VLAN [dec], created

**Explanation**  
VLAN created

**Recommended Action**  
No action is required.

**Message**  
VLAN_MGR-6-VLAN_MGR_STATEFULL_RESTART: VLAN Manager statefull restart

**Explanation**  
VLAN Manager stateful restart

**Recommended Action**  
No action is required.
Message VLAN_MGR-6-VLAN_MGR_STATELESS_RESTART: VLAN Manager stateless restart

Explanation VLAN Manager stateless restart

Recommended Action No action is required.

Message VLAN_MGR-6-VLAN_OPER_STATUS_CHG: VLAN [dec], status changed to [chars]

Explanation VLAN operational state change

Recommended Action No action is required.

**VMAN Messages**

This section contains the VMAN messages.

**VMAN-2**

Message VMAN-2-ACTIVATION_STATE: [chars] [chars]'[chars][chars]'

Explanation The activation state of the named virtual service has changed as notified by virt-manager.

Recommended Action In the failed case, check virt-managers logs for the cause of the failure. In the successful case, this notification can be ignored.'

Message VMAN-2-ALLOC_VIRT_INST_RCS: Virtual Service [chars]

Explanation A memory allocation request failed to allocate a data structure required to activate the virtual service.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the Virtual-manager logs and scan them for the cause.

Message VMAN-2-COMMIT_VIRT_INST_RCS: Virtual Service [chars]

Explanation The request to commit the resources required by the named virtual service failed.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.
Message VMAN-2-CPUSHARES_LIMIT: Virtual Service [chars]

Explanation The virtual service machine definition file is requesting more CPU shares than the system has available for virtual services.

Recommended Action Deactivate any other virtual services to free up CPU share resources and activate this virtual service. If that does not address the problem, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-CPUTUNES_INTERNAL_ERROR: Virtual Service [chars]

Explanation virt-manager and its associated infrastructure experienced an internal error.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-CPUTUNES_SHARES_LIMIT: Virtual Service [chars]

Explanation The virtual service machine definition file is requesting more CPU shares than the system has available for virtual services.

Recommended Action Deactivate any other virtual services to free up CPU share resources and activate this virtual service. If that does not address the problem, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-CREATE_VIRT_INST_ENTRY: Virtual Service [chars]

Explanation The request to create a DB entry for the named virtual service failed.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-DEFER_VIRT_INST_PROC: Virtual Service [chars]

Explanation The final activation processing failed to successfully defer.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-DISK_IMAGE_PATH: Virtual Service [chars]

Explanation The virtual service machine definition file contains an invalid disk image path for one of the disk devices. This may be a Hard disk, CDROM or USB storage device.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.
Message VMAN-2-FIND_VIRT_INST_ENTRY: Failed to find virtual service with id [dec] in the Virt-manager DB

Explanation The virtual service with the ID named could not be located in the virt-manager DB.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-GENERAL_FAILURE: Virtual Service [chars]

Explanation The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.

Recommended Action No action is required

Message VMAN-2-HA_SYNC_ERR: [chars] [chars]" [chars]'

Explanation The ha-sync persistent storage disk for the virtual service cannot be watched for sync to standby RP.

Recommended Action Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-INCONSISTENT_CPUTUNES_CONFIG: Virtual Service [chars]

Explanation The virtual service machine definition file is requesting invalid CPU tunes parameter.

Recommended Action Use a different valid machine definition file for the virtual service. If the problem persists, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-INCONSISTENT_MEM_CONFIG: Virtual Service [chars]

Explanation The virtual service machine definition file is inconsistent in the specification of required memory via the <memory>

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-INSERT_VIRT_INST_ENTRY: Virtual Service [chars]

Explanation Inserting the named virtual service into the virtual service DB tracked by virt-manager failed.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.
Message  VMAN-2-INSTALL_FAILURE: Virtual Service [chars]

Explanation  The installation of the virtual service failed.

Recommended Action  Enable the virt-manager trace logs and repeat the installation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-INSTALL_MEDIA_RETRY: VMAN, VM install media still unavailable.

Explanation  The install media was not detected. Waiting for udev to complete install media (hard-disk) detection.

Recommended Action  After VMAN exceeds the maximum retry limit, verify if install media (hard-disk) is accessible and retry the installation again.

Message  VMAN-2-INSTALL_STATE: Successfully [chars] [chars]

Explanation  The installation state of the named virtual service has changed as notified by virt-manager.

Recommended Action  In the failed case, check virt-managers logs for the cause of the failure. In the successful case, this notification can be ignored.

Message  VMAN-2-INVALID_ACT_MSG: Virtual Service [chars]

Explanation  The virtual service activate message was received, however, the data it contained could not be interpreted

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-INVALID_DEACT_MSG: Failed to process virtual service deactivate message

Explanation  The virtual service deactivate message was received, however, the data it contained could not be interpreted

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-INVALID_PACKAGE: Virtual Service [chars]

Explanation  The package definition file for the named virtual service has failed to be validated and the virtual service will not run

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause. The most likely cause would be that the package file has been corrupted during file transfer. The suggested action would be to redo the file transfer.
Message  VMAN-2-INVALID_UNPROV_MSG: Failed to process virtual service unprovision message

Explanation  The virtual service un-provision message was received, however, the data it contained could not be interpreted

Recommended Action  Enable the Virt-manager trace logs and repeat the activation followed by deactivation and then un-provision of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-MACHINE_TYPE_NOT_SUPPORTED: Virtual Service [chars]

Explanation  The virtual service cannot be activated as the machine type specified is not supported; action Enable the support for the machine type and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-MACH_PARSE_FAILURE: Virtual Service [chars]

Explanation  The named virtual service has an invalid parameter specified in the .xml file inside the .ova package

Recommended Action  Fix the .xml file inside the .ova package to have valid values. Then retry installing and activating it


Explanation  The virtual service machine definition file is requesting more memory for the specified profile, than the system has available for virtual services.

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-MEMORY_LIMIT: Virtual Service [chars]

Explanation  The virtual service machine definition file is requesting more memory than the system has available for virtual services.

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.
Message VMAN-2-MORETHANONE_CPUTUNES_CONFIG: Virtual Service [chars]

Explanation The virtual service machine definition file is requesting more than one CPU tunes parameter.

Recommended Action Use a different valid machine definition file for the virtual service. If the problem persists, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-NETWORK_CONFIG_ERROR: Virtual Service [chars]

Explanation A network configuration error has been detected for the named virtual service.

Recommended Action No action is required

Message VMAN-2-PROCESS_PKG_DEF: Virtual Service [chars]

Explanation The virtual service package for the named virtual service has failed to be validated and the virtual service will not run.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-PROC_INT_LIST: Virtual Service [chars]

Explanation The interface list embedded in the activate request for the named virtual service could not be processed.

Recommended Action Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-REMOVE_VIRT_INST_ENTRY: Virtual Service [chars]

Explanation Removing the named virtual service from the virtual service DB tracked by virt-manager failed.

Recommended Action Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message VMAN-2-SET_VTX_ROMVAR_SPACE: Failed to set ROM monitor variable ENABLE_VTX: No space in table

Explanation Failed to set ENABLE_VTX ROM monitor variable due to no space in Monitor Variable Table.

Recommended Action Verify number of entries in Monitor Variable Table.
Message  VMAN-2-SET_VTX_ROMVAR_STRING: Failed to set ROM monitor variable ENABLE_VTX: Invalid string format: [chars]

Explanation  Failed to set ENABLE_VTX ROM monitor variable due to invalid string format.

Recommended Action  Verify format of string from error message.

Message  VMAN-2-START_FAILED: Virtual Device:[chars]

Explanation  The named virtual service failed to start.

Recommended Action  Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

Message  VMAN-2-VCPU_INVALID: Virtual Service [chars]

Explanation  The virtual service machine definition file is requesting invalid VCPU value.

Recommended Action  Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Message  VMAN-2-VCPU_LIMIT: Virtual Service [chars]

Explanation  The virtual service machine definition file is requesting more VCPUs than the system has reserved for virtual services.

Recommended Action  Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Message  VMAN-2-VIRT_INST_DISK: Virtual Service [chars]

Explanation  The virtual service requires Disk Storage in excess of the Free Disk Storage available to virtual services.

Recommended Action  Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Message  VMAN-2-VIRT_INST_INTERFACE: Virtual Service [chars]

Explanation  The number of configured virtual port group interfaces must match the number of Ethernet Network Interfaces defined in the machine definition file.

Recommended Action  Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.
Message VMAN-2-VIRT_INST_MEMORY: Virtual Service [chars]

Explanation The virtual service requires physical memory in excess of the free memory available to virtual services.

Recommended Action Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

Message VMAN-2-VIRT_INST_MGMT_INTERFACE: Virtual service [chars] has no management interface defined but it is configured in CLI.

Explanation A management interface is configured but none is defined.

Recommended Action Deactivate the virtual service, remove the management interface configuration CLI, and reactivate the virtual-service.

Message VMAN-2-VIRT_INST_STATE: Virtual Service [chars]

Explanation The named virtual service has failed. It is no longer running either because the guest OS has failed, the guest OS has shut down the machine or the emulator has failed.

Recommended Action An attempt at restarting the virtual service can be made from the IOS configuration by doing a no activate/activate. For debugging collect the Virt-manager logs and scan them for the cause.

VMAN-3

Message VMAN-3-PSS_ERR: Purpose: [chars], URI: [chars], errcode: [dec]

Explanation Persistent Storage Service handling error

Recommended Action Collect the Virt-manager logs and scan them for the cause.

Message VMAN-3-PSS_SNAPSHOT_ERR: Source URI: [chars], Destination URI: [chars], errcode: [dec]

Explanation Persistent Storage Service snapshot error

Recommended Action Collect the Virt-manager logs and scan them for the cause.

Message VMAN-3-SDWRAP_ERR: Description: [chars], errcode: [dec]

Explanation Debug infrastructure error

Recommended Action Collect the Virt-manager logs and scan them for the cause.
VMAN-4

**Message**  VMAN-4-WATCHDOG_TIMER: [chars] [chars]'[chars][chars]'  

**Explanation**  The watchdog timer configured for the named virtual service has expired.  

**Recommended Action**  Check any logs produced by the virtual service to determine the cause.

VMAN-5

**Message**  VMAN-5-AUX: Virtual Service [chars]  

**Explanation**  The AUX login to a virtual service may allow the user access to system functions that may not have been tested or may interact with the system in unintended ways. Use with caution.  

**Recommended Action**  No action is required

**Message**  VMAN-5-UNSIGNED_PACKAGE: Unsigned software package [chars] loaded for service container [chars].  

**Explanation**  A software package without a code signing certificate has been loaded.  

**Recommended Action**  Take note of the service container and software package. Verify the software package is expected to be unsigned and has the appropriate contents. Un-install the package if unsure of the package origins.

**Message**  VMAN-5-VIRT_INST: LOG FROM VIRTUAL SERVICE [chars]: [chars]  

**Explanation**  The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.  

**Recommended Action**  No action is required

VMM Messages

This section contains the VMM messages.
VMM-2

Message  VMM-2-VMM_DBG_SEQDELAY_LOG: VDC[dec]: Sending [chars] mts([chars]) request to service [dec] for slot [dec].

Explanation  VMM sent request for the sap mentioned

Recommended Action  No action is required.


Explanation  Service returned error in the specified sequence

Recommended Action  No action is required.


Explanation  Service did not respond in the specified sequence

Recommended Action  No action is required.

VNI Messages

This section contains the VNI messages.

VNI-2

Message  VNI-2-ALLOC_MEMORY: Memory allocation failed

Explanation  The service failed to allocate a block of dynamic memory.

Recommended Action  No action is required.

VNI-3

Message  VNI-3-INIT_FAILED: Initialization failed. Component [chars]

Explanation  The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action  Show processes to check the status of the other processes, debug the specified component.
VNI-6

Message  VNI-6-INTERFACE_EVENT: VSAN interface [chars] [chars]
Explanation  The specified VSAN Interface has been successfully [chars].
Recommended Action  No action is required.

Message  VNI-6-STARTING: Virtual Network Interface Manager started
Explanation  The service has successfully started.
Recommended Action  No action is required.

Message  VNI-6-VSAN_DELETED: VSAN [dec] has been deleted
Explanation  The specified VSAN has been deleted. The service will delete all the configuration on that VSAN.
Recommended Action  No action is required.

VNTAGC Messages

This section contains the VNTAGC messages.

VNTAGC-5

Message  VNTAGC-5-VNTAGC_GENERIC_SYSLOG: [chars]
Explanation  This syslog is used for the purpose of internal debugging of VNTAG client.
Recommended Action  If this log is seen, then the syslog level might be set to notifications (5). Please modify syslog level accordingly or ignore this syslog, as no action is required for the same.

VNTAG_MGR Messages

This section contains the VNTAG_MGR messages.
**VNTAG_MGR-2**

**Message** VNTAG_MGR-2-MCAST_DVIF_ALLOC_FAILURE: DVIF allocation failure during MCAST group creation. TCB RID: [hex]. MCAST LTL: [hex]. Reason: [chars].

**Explanation** MCAST DVIF allocation for MCAST group.

**Recommended Action** No action is required.

**Message** VNTAG_MGR-2-VLAN_DVIF_ALLOC_FAILURE: DVIF allocation failure for VLANs [chars]. Reason: [chars].

**Explanation** Flood DVIF allocation failure for VLANs.

**Recommended Action** No action is required.

**Message** VNTAG_MGR-2-VNTAG_MGR_OMF_DVIF_ALLOC_FAIL: OMF DVIF allocation failed (DVIF exhaustion). To enable OMF you need to shut down a VLAN/MCAST group.

**Explanation** OMF DVIF reservation failed (dvif exhaustion). To enable OMF a VLAN or MCAST group needs to be disabled to get a free dvif.

**Recommended Action** No action is required.

**Message** VNTAG_MGR-2-VNTAG_SEQ_ERROR: [chars]

**Explanation** Some step in an event sequence has failed

**Recommended Action** No action is required.

**Message** VNTAG_MGR-2-VNTAG_SEQ_TIMEOUT: [chars]

**Explanation** Event sequence timeout

**Recommended Action** No action is required.

**VNTAG_MGR-4**

**Message** VNTAG_MGR-4-VNTAG_MIXED_FPC_HIFPC_PAYLOAD: [chars]

**Explanation** This not allowed from PIXM itself, but could happen due to some incorrect MBL batching.

**Recommended Action** No action is required.
Message  VNTAG_MGR-4-VNTAG_PRUNED_L3_PORT: Port [hex] will not be added to FEX forwarding table as it is a L3 port.

   Explanation  To avoid sending multi destination traffic to L3 ports we do not add them to FEX forwarding table.

   Recommended Action  No action is required.

VNTAG_MGR-5

Message  VNTAG_MGR-5-VNTAG_MGR_DISABLED: VNTag Manager Disabled

   Explanation  VNTag Manager Service Disabled

   Recommended Action  No action is required.

Message  VNTAG_MGR-5-VNTAG_MGR_ENABLED: VNTag Manager Enabled

   Explanation  VNTag Manager Service Enabled

   Recommended Action  No action is required.

Message  VNTAG_MGR-5-VNTAG_MGR_GENERIC_SYSLOG: [chars]

   Explanation  VNTag Manager Generic Syslog

   Recommended Action  No action is required.

VPC Messages

This section contains the VPC messages.

VPC-2

Message  VPC-2-PEER_KEEP_ALIVE_RECV_FAIL: In domain [dec], VPC peer keep-alive receive has failed

   Explanation  Peer keep-alive receive failed

   Recommended Action  No action is required.
Message  VPC-2-PEER_KEEP_ALIVE_SEND_FAIL: In domain [dec], VPC peer keep-alive send has failed

Explanation  Peer keep-alive send failed

Recommended Action  No action is required.

Message  VPC-2-PEER_VPC_RESP_TIMEDOUT: Failed to receive response from peer for vPC: [dec]

Explanation  VPC bringup failed

Recommended Action  No action is required.

Message  VPC-2-TRACK_INTFS_DOWN: In domain [dec], vPC tracked interfaces down, suspending all vPCs and keep-alive

Explanation  VPC tracked object down

Recommended Action  No action is required.

Message  VPC-2-VPC_ADD_L3_BKUP_VLAN_TO_PEER_GW_EXCLUDE_LIST: Exclude L3 backup routing VLAN from vpc peer-gateway config.

Explanation  Triggered when peer-link is F1 and peer-gateway is configured without exclude-vlan list.

Recommended Action  No action is required.

Message  VPC-2-VPC_CORE_PORT_FPATH_BUP_FAILED: Failed to bring up vPC+ peer link port [chars] in Fabric Path Port Mode - vPC+ Fabric Path switch ID not configured

Explanation  VPC+ Failed to bringup peer-link - switch-ID not configured

Recommended Action  No action is required.

Message  VPC-2-VPC_ES_FAILED_LID_ALLOC: Failed to negotiate common LID between vPC peers.

Explanation  Failed to find common lid.

Recommended Action  No action is required.


Explanation  Triggered in mcecm_em_es_failed. Bring down peer-link.

Recommended Action  No action is required.
Message VPC-2-VPC_ES_PEER_LINK_OPERATION_FAILED: Peer-link operation failed due to SAP [dec].

Explanation Triggered in mcecm_cfg_es_failed when peer-link bringup fails.

Recommended Action No action is required.

Message VPC-2-ASIC_FAILURE_NOTIF: ASIC failure received from nohms in domain [dec]

Explanation ASIC failure notification: From the code, the switch detects an ASIC error and tries to recover the error by suspend vPC Keepalive, suspend vPCs and flap peer link.

Recommended Action Locate the module from the error message and replace the module. If the problem happens to multiple linecard or chassis, please contact TAC.

Message VPC-2-VPC_GRACEFUL_SUSP_ALL_VPC: Operational graceful type-1 check configuration changed, reinstating all vPCs

Explanation Graceful configuration change, reinit vPCs

Recommended Action No action is required.

Message VPC-2-VPC Issu End: Peer vPC switch ISSU end, unlocking configuration

Explanation Peer vPC switch issu end

Recommended Action No action is required.

Message VPC-2-VPC_ISSU_START: Peer vPC switch ISSU start, locking configuration

Explanation Peer vPC switch issu start

Recommended Action No action is required.

Message VPC-2-VPC_LC_FAIL: LC [dec] does not support required hardware for vPC; run show vdc membership status' for port status'

Explanation LC insertion failed

Recommended Action No action is required.


Explanation Triggered in mcecm_em_es_failed. Bring down peer-link.

Recommended Action No action is required.
Message VPC-2-VPC_PEER_LINK_FPATH_BUP_FAILED: Failed to bring up vPC+ peer link port [chars] - port [chars] is not configured as a Fabric Path port

Explanation VPC+ Failed to bring up Peer-link - not in Fabric Path mode

Recommended Action No action is required.

Message VPC-2-VPC_PSS_ERROR: [chars], 0x([hex]) present in VPC DB but not in IM DB

Explanation Triggered when vPC DB and IM SDB are inconsistent

Recommended Action No action is required.

Message VPC-2-VPC_SUSP_ALL_VPC: Peer-link going down, suspending all vPCs on secondary

Explanation Peer link down suspend vPCs

Recommended Action No action is required.

Message VPC-2-VPC_SVI_EXCLUDE: vPC [dec] has up vlans [chars] which are excluded from suspension on dual-active

Explanation VPC track object un-configured

Recommended Action No action is required.


Explanation SDB update failed while updating

Recommended Action No action is required.

VPC-3

Message VPC-3-GLOBAL_CONSISTENCY_FAILED: In domain [dec], global configuration is not consistent ([chars])

Explanation Global compact-check failed

Recommended Action No action is required.

Message VPC-3-INTF_CONSISTENCY_FAILED: In domain [dec], VPC [dec] configuration is not consistent ([chars])

Explanation MCEC compact-check failed

Recommended Action No action is required.
Message  VPC-3-PEER_UNREACHABLE: Remote Switch Unreachable

Explanation  Peer unreachable

Recommended Action  No action is required.

Message  VPC-3-PEER_VPC_BRINGUP_FAILED: Peer vPC [dec] bringup failed ([chars])

Explanation  Peer vPC bringup failed

Recommended Action  No action is required.

Message  VPC-3-VPCM_ASSERTION_FAILED: [chars]

Explanation  VPCM has hit an assert condition at file [chars]

Recommended Action  No action is required.

Message  VPC-3-VPCM_INIT_FAIL: vPC Manager Initialization Failed ([chars])

Explanation  VPCM Initialization failed. due to [chars]

Recommended Action  No action is required.

Message  VPC-3-VPCM_INTERNAL_ERR: [chars]

Explanation  VPCM encountered an internal error due to [chars]

Recommended Action  No action is required.

Message  VPC-3-VPCM_MTS_ERR: [chars]

Explanation  VPCM encountered an MTS error due to [chars]

Recommended Action  No action is required.

Message  VPC-3-VPC_BRINGUP_FAILED: vPC [dec] bringup failed ([chars])

Explanation  VPC bringup failed

Recommended Action  No action is required.

Message  VPC-3-VPC_PEER_LINK_BRINGUP_FAILED: vPC peer-link bringup failed ([chars])

Explanation  VPC Peer-link bringup failed

Recommended Action  No action is required.
Message VPC-3-VPC_PEER_LINK_DOWN: VPC Peer-link is down

Explanation  VPC Peer link is down

Recommended Action  No action is required.

VPC-4

Message VPC-4-FTAG_UPD_PORT_DWN: Warning: receive FTAG update while port is going down

Explanation  Receive FTAG update while port is going down

Recommended Action  No action is required.

Message VPC-4-OOB_DWN_BUT_WAS_ALIVE: Warning: Bring up peer-link when peer keep-alive is down

Explanation  Try to bring up MCT when OOB fails.

Recommended Action  No action is required.

Message VPC-4-PEER_VPC_DELETED: Peer vPC [dec] deleted

Explanation  Peer vPC configuration deleted

Recommended Action  No action is required.

Message VPC-4-VPC_CONSISTENCY_NEW_VLAN_FAIL: Global Consistency check for vPC failed for new vlans

Explanation  Global Consistency check for vPC failed for new vlans

Recommended Action  No action is required.

Message VPC-4-VPC_DELETED: vPC [dec] is deleted

Explanation  VPC configuration deleted

Recommended Action  No action is required.

Message VPC-4-VPC_DISABLE_IP_REDIRECTS: peer-gateway enabled. Disabling IP redirects on all interface-vlans of this vPC domain for correct operation of this feature.

Explanation  Peer-gateway enabled, hence IP redirects on SVIs are disabled

Recommended Action  No action is required.
Message VPC-4-VPC_LC_UPG_OVER_DELIVERY_FAIL: Failed to deliver LC upgrade to vPC peer

Explanation Failed to deliver LC upgrade to peer

Recommended Action No action is required.

Message VPC-4-VPC_PEER_LINK_DELETED: vPC Peer-link deleted. This will bring down all vPC interfaces

Explanation VPC Peer-link configuration removed

Recommended Action No action is required.

Message VPC-4-VPC_PEER_ROLE_CHANGE: In domain [dec], VPC peer role status has changed to [chars]

Explanation VPC Peer role status changed to (Primary/Secondary)

Recommended Action No action is required.

Message VPC-4-VPC_PER_VLAN_NO_SUPPORT: image that does not support per-vlan type-1 check will not bring down/up any vlan (i.e. nothing will happen) until next compat-check.

Explanation Triggered when ISSU/ISSD to an image which does not support per-vlan compat-check

Recommended Action No action is required.

Message VPC-4-VPC_PER_VLAN_CONSISTENCY_FAILED: Global consistency check for vPC failed for few vlans

Explanation Global Consistency check for vPC failed for few vlans

Recommended Action No action is required.

Message VPC-4-VPC_REINITIALIZED: Reinitializing vpcs assuming peer dead

Explanation Initializing vpcs assuming peer dead

Recommended Action No action is required.

Message VPC-4-VPC_ROLE_CHANGE: In domain [dec], VPC role status has changed to [chars]

Explanation VPC role status changed to (Primary/Secondary)

Recommended Action No action is required.
VPC-5

**Message** VPC-5-GLOBAL_CONSISTENCY_SUCCESS: In domain [dec], global configuration is consistent

**Explanation** Global compact-check passed

**Recommended Action** No action is required.

**Message** VPC-5-INTF_CONSISTENCY_SUCCESS: In domain [dec], vPC [dec] configuration is consistent

**Explanation** VPC configuration is consistent

**Recommended Action** No action is required.

**Message** VPC-5-PEER_KEEP_ALIVE_RECV_INT_LATEST: In domain [dec], VPC peer-keepalive received on interface [chars]

**Explanation** VPC peer-keepalive receive interface changed

**Recommended Action** No action is required.

**Message** VPC-5-PEER_KEEP_ALIVE_RECV_SUCCESS: In domain [dec], vPC peer keep-alive receive is successful

**Explanation** Peer keep-alive receive successful

**Recommended Action** No action is required.

**Message** VPC-5-PEER_KEEP_ALIVE_SEND_INT_LATEST: In domain [dec], VPC peer-keepalive sent on interface [chars]

**Explanation** VPC peer-keepalive send interface changed

**Recommended Action** No action is required.

**Message** VPC-5-PEER_KEEP_ALIVE_SEND_SUCCESS: In domain [dec], vPC peer keep-alive send is successful

**Explanation** Peer keep-alive send successful

**Recommended Action** No action is required.
Message VPC-5-PEER_KEEP_ALIVE_STATUS: In domain [dec], peer keep-alive status changed to [chars]

Explanation Peer keep-alive (oob) status is changed to <peer-alive

Recommended Action Peer-not-alive

Message VPC-5-ROLE_PRIORITY_CFGD: In domain [dec], vPC role priority changed to [dec]

Explanation Role priority configured

Recommended Action No action is required.

Message VPC-5-SYSTEM_MAC_CFGD: In domain [dec], vPC system-mac changed to [chars]

Explanation System mac configured

Recommended Action No action is required.

Message VPC-5-SYSTEM_PRIO_CFGD: In domain [dec], vPC system priority changed to [dec]

Explanation System priority changed

Recommended Action No action is required.

Message VPC-5-VPCM_DISABLED: vPC Manager disabled

Explanation VPCM Service Disabled

Recommended Action No action is required.

Message VPC-5-VPCM_ENABLED: vPC Manager enabled

Explanation VPCM Service Enabled

Recommended Action No action is required.

Message VPC-5-VPC_DELAY_SVI_BUP_TIMER_EXPIRED: vPC restore, delay interface-vlan bringup timer expired, reiniting interface-vlans

Explanation VPC delay interface-vlan restore timer expired

Recommended Action No action is required.
Message  VPC-5-VPC_DELAY_SVI_BUP_TIMER_START: vPC restore, delay interface-vlan bringup timer started

   Explanation  VPC delay interface-vlan restore timer start

   Recommended Action  No action is required.

Message  VPC-5-VPC_DOWN: vPC [dec] is down ([chars])

   Explanation  VPC is down (reason)

   Recommended Action  No action is required.

Message  VPC-5-VPC_PEER_LINK_UP: vPC Peer-link is up

   Explanation  VPC Peer-link is up

   Recommended Action  No action is required.

Message  VPC-5-VPC_RESTORE_TIMER_EXPIRED: vPC restore timer expired, reiniting vPCs

   Explanation  VPC restore timer expired

   Recommended Action  No action is required.

Message  VPC-5-VPC_RESTORE_TIMER_START: vPC restore timer started to reinit vPCs

   Explanation  VPC restore timer start

   Recommended Action  No action is required.

Message  VPC-5-VPC_ROLE_PREMPT: In domain [dec], vPC role pre-emption triggered

   Explanation  VPC preemption triggered

   Recommended Action  No action is required.

Message  VPC-5-VPC_UP: vPC [dec] is up

   Explanation  MCEC is UP

   Recommended Action  No action is required.
VPC-6

Message  VPC-6-PEER_LOCK_FAILED: Locking failed on peer switch - Aborting upgrade!!

   Explanation  Locking failed on peer switch

   Recommended Action  No action is required.

Message  VPC-6-PEER_VPC_CFGD_VLANS_CHANGED: Peer vPC [dec] configured vlans changed

   Explanation  Remote MCEC configured vlans Changed

   Recommended Action  No action is required.

Message  VPC-6-PEER_VPC_CFGD: peer vPC [dec] is configured

   Explanation  VPC is configured

   Recommended Action  No action is required.

Message  VPC-6-PEER_VPC_DOWN: Peer vPC [dec] is down ([chars])

   Explanation  Peer vPC is down

   Recommended Action  No action is required.

Message  VPC-6-PEER_VPC_UP: Peer vPC [dec] is up

   Explanation  Peer vPC is up

   Recommended Action  No action is required.

Message  VPC-6-STATS_CLEARED: vPC Statistics Cleared

   Explanation  VPC statistics cleared

   Recommended Action  No action is required.

Message  VPC-6-TRACK_OBJ_CONFIGURED: In domain [dec], track object configured [dec]

   Explanation  VPC track object configured

   Recommended Action  No action is required.
Message VPC-6-TRACK_OBJ_DELETED: In domain [dec], track object deleted
Explanation VPC track object un-configured
Recommended Action No action is required.

Message VPC-6-TYPE1_PARAM_CHANGED: TYPE-1 parameters changed: [chars]
Explanation Type-1 Parameters Changed
Recommended Action No action is required.

Message VPC-6-VPCM_INTERNAL_INFO: [chars]
Explanation VPCM got an internal info [chars]
Recommended Action No action is required.

Message VPC-6-VPC_ALLOWED_VLAN_CHANGED: vPC [dec] operational vlans changed
Explanation Operational vlans changed on vPC
Recommended Action No action is required.

Message VPC-6-VPC_CFGD: vPC [dec] is configured
Explanation VPC is configured
Recommended Action No action is required.

Message VPC-6-VPC_CONSISTENCY_CHECK_BYPASS: Bypassing consistency check for vPC: [dec]
Explanation Bypassing consistency check for vpcs
Recommended Action No action is required.

Message VPC-6-VPC_CONSISTENCY_NEW_VLAN_PASS: Global Consistency check for vPC passed for new vlans
Explanation Global Consistency check for vPC passed for new vlans
Recommended Action No action is required.

Message VPC-6-VPC_DOMAIN_ID_CFGD: vPC domain-id configured to [dec]
Explanation VPC domain-id configured
Recommended Action No action is required.
**Message** VPC-6-VPC_ES_EGRESS_DF_STATE_CHANGED: Egress designated forwarder state changed from [chars] to [chars] for vPC [dec].

**Explanation** DF state changed for some vPC.

**Recommended Action** No action is required.

**Message** VPC-6-VPC_ES_ID_CFGD: Fabricpath switch ID [dec] configured

**Explanation** Fabricpath switch ID configured

**Recommended Action** No action is required.

**Message** VPC-6-VPC_ES_ID_REMOVED: Fabricpath switch ID [dec] removed

**Explanation** Fabricpath switch ID removed

**Recommended Action** No action is required.

**Message** VPC-6-VPC_PEER_LINK_CFGD: vPC peer-link is configured

**Explanation** VPC Peer-link is configured

**Recommended Action** No action is required.

**Message** VPC-6-VPC_PER_VLAN_CONSISTENCY_PASSED: Global Consistency check for vPC passed for all vlans

**Explanation** Global Consistency check for vPC passed for all vlans

**Recommended Action** No action is required.

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### VPM Messages

This section contains the VPM messages.

#### VPM-2

**Message** VPM-2-GENERAL_ERROR: [chars]

**Explanation** The VP Manager has encountered an critical error. The description of error is [str.]

**Recommended Action** No action is required.
Message VPM-2-MALLOC_ERROR: Size [dec] bytes

Explanation The VP Manager could not allocate memory.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message VPM-2-PSS_ERROR: [chars]

Explanation The VP Manager encountered error while operating on a persistent storage database.

Recommended Action No action is required.

Message VPM-2-VPMON_CRIT: [chars] [dec]

Explanation VPMON daemon critical message

Recommended Action No action is required.

Message VPM-2-VPMON_DPP_DOWNLOAD: HB failure, Restarting the DPP [dec]

Explanation VPMON daemon re-downloading DPP(s)

Recommended Action ISAPI API users need to re-download config data to fast path

Message VPM-2-VPMON_DPP_RELOAD_FORCE: Force reload of DPP(s) [chars]: [chars]

Explanation VPMON daemon critical action message

Recommended Action No action is required.

VPM-3

Message VPM-3-PSS_SYNC_TO_STNDBY_FAILED: PSS TYPE=[chars] KEY=[chars]

Explanation Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[.str] Key=[Str.]

Recommended Action No action is required.

Message VPM-3-SEND_TO_ILC_FAILED: [chars]

Explanation The VP Manager could not send to ILC for DG=[chars], at slot=[dec] processor=[dec] and SAP=[dec].

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
**Message**  VPM-3-SEND_TO_SNMP_AGENT_FAILED: [chars]

**Explanation**  The VP Manager could not send to SNMP Agent for DG=[chars].

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  VPM-3-UNKNOWN_MSG: Recvd. from Node=[dec] SAP=[dec]

**Explanation**  The VP Manager has received an unknown message from [dec].[dec]. This information is for debugging only.

**Recommended Action**  No action is required.

**Message**  VPM-3-VPM_PSS_CORRUPTED: [chars] PSS found corrupt

**Explanation**  The VP Manager has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action**  No action is required.

**VPM-4**

**Message**  VPM-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]

**Explanation**  There was a version mismatch between the VP Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action**  No action is required.

**VPM-6**

**Message**  VPM-6-BECAME_ACTIVE: Became ACTIVE from standby mode

**Explanation**  The VP Manager on the standby supervisor became active and it is ready to serve client requests.

**Recommended Action**  No action is required.

**Message**  VPM-6-BECAME_STDBY: Became STANDBY from active mode

**Explanation**  The VP Manager became standby from active mode.

**Recommended Action**  No action is required.
Message  VPM-6-DG_DEREGISTERED: [chars]

Explanation  The VP Manager has deregistered DG [chars] at slot=[dec] processor=[dec] and SAP=[dec].

Recommended Action  No action is required.

Message  VPM-6-DG_REGISTERED: [chars]

Explanation  The VP Manager has registered DG [chars] from slot=[dec] processor=[dec] and SAP=[dec].

Recommended Action  No action is required.

Message  VPM-6-EXITING: Exited due to [chars]

Explanation  The VP Manager process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action  No action is required.

Message  VPM-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

Explanation  The VP Manager was unable to send heartbeat to the system manager.

Recommended Action  No action is required.

Message  VPM-6-GENERAL_EVENT: [chars]

Explanation  The VP Manager has generated an important event. The description of the event is [str.]

Recommended Action  No action is required.

Message  VPM-6-PSS_CREATED: [chars] PSS Created

Explanation  One of the persistent information database of VP Manager has been recreated.

Recommended Action  No action is required.

Message  VPM-6-PSS_DESTROYED: [chars] PSS Destroyed

Explanation  One of the persistent information databases of VP Manager has been intentionally destroyed and would be recreated.

Recommended Action  No action is required.
Message  VPM-6-SERVICE_UP: Initialized [chars]

Explanation  The VP Manager is up and ready to accept client requests. The service was initialized in [char] mode.

Recommended Action  No action is required.

Message  VPM-6-SWITCHOVER: Switching Over to other Sup.

Explanation  The VP Manager has successfully switched over to the standby supervisor card.

Recommended Action  No action is required.

Message  VPM-6-VPMON_INFO: [chars]

Explanation  VPMON daemon informational message

Recommended Action  No action is required.

Message  VPM-6-VPMON_STARTING: daemon started

Explanation  The VPMON daemon successfully started

Recommended Action  No action is required.

Message  VPM-6-VPM_MDS_LICENSE_GRACE: MDS LICENSE in grace period for feature: [chars]

Explanation  MDS license is in grace period. Please retrieve a new MDS license

Recommended Action  No action is required.

Message  VPM-6-VPM_MDS_LICENSE_REVOKED: MDS LICENSE REVOKED for feature: [chars]

Explanation  MDS license is revoked. Please retrieve a new MDS license

Recommended Action  No action is required.

Message  VPM-6-VPM_MDS_TIMED_LICENSE: Timed MDS LICENSE for feature: [chars]

Explanation  Timed MDS license

Recommended Action  No action is required.
VPM-SLOT#-2

**Message**  VPM-SLOT#-2-CPP_CATASTROPHIC_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation**  Component caused critical error

**Recommended Action**  Restart the linecard

VRRP-CFG Messages

This section contains the VRRP-CFG messages.

VRRP-CFG-2

**Message**  VRRP-CFG-2-ALLOC_MEMORY: Memory allocation failed

**Explanation**  The service failed to allocate a block of dynamic memory.

**Recommended Action**  No action is required.

**Message**  VRRP-CFG-2-VSH_REGISTER_FAIL: VSH registration failed returning [dec]

**Explanation**  VRRP sparse tree registration with VSH failed

**Recommended Action**  No action is required.

VRRP-CFG-3

**Message**  VRRP-CFG-3-INIT_FAILED: Initialization failed. Component [chars]

**Explanation**  The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action**  Show processes to check the status of the other processes, debug the specified component.

**Message**  VRRP-CFG-3-VRRP_FEATURE_MANAGER_ERROR: Error in feature manager operation

**Explanation**  The feature manager operation did not go through fine

**Recommended Action**  Please check the reason for error using feature manager and rectify the problem
VRRP-CFG-5

Message  VRRP-CFG-5-STARTING: VRRP Manager service started
Explanation  The service successfully started.
Recommended Action  No action is required.

VRRP-ENG Messages

This section contains the VRRP-ENG messages.

VRRP-ENG-2

Message  VRRP-ENG-2-ALLOC_MEMORY: Memory allocation failed
Explanation  The service failed to allocate a block of dynamic memory.
Recommended Action  No action is required.

Message  VRRP-ENG-2-VR_FAILURE: Error in VDH=[chars] [dec] interface [chars]. Going to inti state
Explanation  The VR [dec] on the interface [chars] is in inti state for an internal error.
Recommended Action  Show interface to check the status of the interface, show configuration, status and statistics of the specified virtual router, enable the vrrp debug and shut/ no shut the specified virtual router.

VRRP-ENG-3

Message  VRRP-ENG-3-ARP_INIT_ERROR: Failed to inti ARP, ret [hex], errno [dec]
Explanation  VRRP-ARP interaction failed.
Recommended Action  No action is required.

Message  VRRP-ENG-3-BFD_IP_SESSION_REMOVAL_ERROR: Failed to remove interface level VRRP-BFD sessions ([hex] [hex]), Refer logs
Explanation  Please refer internal error history for more details.
Recommended Action  No action is required.
Message  VRRP-ENG-3-BFD_SESSION_ADD_ERROR: Failed to add a few VRRP-BFD sessions ([hex] [hex]), Refer logs

Explanation  Please refer internal error history for more details.

Recommended Action  No action is required.

Message  VRRP-ENG-3-BFD_SESSION_CREATION_ERROR: Failed to create BFD session information ([hex] [hex]), Refer logs

Explanation  Please refer internal error history for more details.

Recommended Action  No action is required.

Message  VRRP-ENG-3-BFD_SESSION_REMOVAL_ERROR: Failed to remove a few VRRP-BFD sessions ([hex] [hex]), Refer logs

Explanation  Please refer internal error history for more details.

Recommended Action  No action is required.

Message  VRRP-ENG-3-INIT_FAILED: Initialization failed. Component [chars]

Explanation  The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action  Show processes to check the status of the other processes, debug the specified component.

Message  VRRP-ENG-3-IP_INIT_ERROR: Failed to init IP, ret [hex], errno [dec]

Explanation  VRRP-IP interaction failed.

Recommended Action  No action is required.

Message  VRRP-ENG-3-L3VM_INIT_ERROR: Failed to init L3VM, ret [hex], errno [dec]

Explanation  VRRP-L3VM interaction failed.

Recommended Action  No action is required.

Message  VRRP-ENG-3-URIB_INIT_ERROR: Failed to init URIB, ret [hex], errno [dec]

Explanation  VRRP-URIB interaction failed.

Recommended Action  No action is required.
VRRP-ENG-4

Message  VRRP-ENG-4-BAD_ADV: VR[chars] ID [dec] on interface [chars] bad advertisement received; reason [chars]

Explanation  The virtual router specified has received an invalid advertisement.

Recommended Action  Check that all VRRP nodes have the same configuration.

VRRP-ENG-5

Message  VRRP-ENG-5-INTERFACE_DOWN: Cannot start the VR[chars] [dec] since the interface [chars] is down

Explanation  The specified VR is enabled but cant change state from in it. The specified interface is down or doesn't have a primary IP address configured.

Recommended Action  No action is required.

Message  VRRP-ENG-5-INTERFACE_STATE_CHANGE: Interface [chars] state changed to [chars]

Explanation  The interface specified has changed state. This could have triggered a VRRP status change.

Recommended Action  No action is required.

Message  VRRP-ENG-5-INVALID_CONFIG: Cannot start the VR[chars] [dec] on the interface [chars]. Invalid IP configuration. Reason: [chars]

Explanation  The specified VR on interface [chars] is enabled but the IP configuration is not valid because of [chars].

Recommended Action  Show interface to check that the IP address of the interface is configured and it is in the same subnet of the virtual router address.

Message  VRRP-ENG-5-STARTING: VRRP Engine service started

Explanation  The service successfully started.

Recommended Action  No action is required.


Explanation  The status of the specified virtual router has changed to [chars].

Recommended Action  No action is required.
### VRRP-ENG-6

**Message**  
VRRP-ENG-6-VSHA_RESULT: VR ID [dec] on interface [chars] state change request result [chars]

**Explanation**  
The result of the request for status change on the virtual router (with VSHA extension) specified is [chars].

**Recommended Action**  
No action is required.

### VSAN Messages

This section contains the VSAN messages.

### VSAN-2

**Message**  
VSAN-2-PROGRAM_EXIT: process exiting with reason: [chars]

**Explanation**  
VSAN manager process is exiting with reason [chars].

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### VSAN-3

**Message**  
VSAN-3-CFS_OPERATION_FAILED: cfs [chars] operation failed: [chars]

**Explanation**  
Cfs operation [chars1] has failed. [chars2]

**Recommended Action**  
Please check the reason for the failure of the cfs operation and rectify the problem.

**Message**  
VSAN-3-MEM_ALLOC_FAILED: alloc failed for size:[dec]

**Explanation**  
Memory allocation of size [dec] failed.

**Recommended Action**  
Do “show process memory” command to see memory usage of processes.

**Message**  
VSAN-3-MESSAGE_ERROR: could not handle message: [chars] of type [dec] sent by addr [dec]:[dec]

**Explanation**  
Got an IPC message [chars] of type [dec1] sent by a component running on node [dec2] with sap [dec3].

**Recommended Action**  
Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
VSAN-6

Message  VSAN-6-ACTIVATED: VSAN:[dec] changing from suspended to active

Explanation  Making VSAN with ID [dec] active from suspended state.

Recommended Action  No action is required.

Message  VSAN-6-CFS_MERGE_NOT_SUPPORTED: merging of fctimer configuration data is not supported

Explanation  Merging of fctimer configuration data using cfs is not supported

Recommended Action  No action is required.

Message  VSAN-6-CREATED: Created VSAN:[dec] with name:[chars]

Explanation  Created VSAN with ID [dec] and name [chars].

Recommended Action  No action is required.

Message  VSAN-6-MEMBERSHIP_UPDATE: Updated membership for interface:[chars] with VSAN:[dec]

Explanation  Updating membership for interface [chars] with VSAN [dec].

Recommended Action  No action is required.

Message  VSAN-6-REMOVED: Removed VSAN:[dec]

Explanation  Removed VSAN with ID [dec].

Recommended Action  No action is required.

Message  VSAN-6-SUSPENDED: VSAN:[dec] changing from active to suspended

Explanation  Suspending VSAN with ID [dec] from active state.

Recommended Action  No action is required.

Message  VSAN-6-TRUNKING_MEMBERSHIP_UPDATE: trunking membership updated for interface:[chars] with VSAN bitmap:[chars]

Explanation  Updated trunking membership for interface [chars] with allowed VSAN list [chars].

Recommended Action  No action is required.
VSC Messages

This section contains the VSC messages.

VSC-SLOT#-2

**Message**  VSC-SLOT#-2-CPP_CATASTROPHIC_ERR: ERROR: Component ([chars]) caused critical error

**Explanation**  Virtualization software suffers critical error

**Recommended Action**  Perform graceful shutdown and restart the linecard

**Message**  VSC-SLOT#-2-CPP_RELOAD: Component ([chars]) is reloading the linecard

**Explanation**  No response to critical error notification from application

**Recommended Action**  Response to critical error notification and perform graceful shutdown

**Message**  VSC-SLOT#-2-REGISTER_NOTIF_REPLY_FAILED: Component ([chars]) fails to register to receive notification reply

**Explanation**  System will not receive partner notification reply

**Recommended Action**  Virtualization software will restart the linecard after reply timeout.

VSC-SLOT#-3

**Message**  VSC-SLOT#-3-SSM_GET_SW_CARDID: Get SSM software card ID failed

**Explanation**  SSM get software card ID failed

**Recommended Action**  There is a serious error and the linecard need to be restarted

VSC-SLOT#-5

**Message**  VSC-SLOT#-5-RX_PS_CRITICAL_NOTIF_REPLY: Component ([chars]) receives critical error notification reply

**Explanation**  Partner software will handle critical error

**Recommended Action**  Virtualization software wont restart the line card. It is partner software responsibility to do shutdown
VSD Messages

This section contains the VSD messages.

VSD-SLOT#-2

**Message**  VSD-SLOT#-2-CPP_CATASTROPHIC_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation**  Component caused critical error

**Recommended Action**  Restart the linecard

VSD-SLOT#-6

**Message**  VSD-SLOT#-6-VSD_INFO: [chars]

**Explanation**  VSD daemon informational message

**Recommended Action**  No action is required.

VSHA Messages

This section contains the VSHA messages.

VSHA-3

**Message**  VSHA-3-VSHA_INIT_FAILED: Initialization failed. Component [chars]

**Explanation**  The service failed to start. The failure is happened initializing the specified component

**Recommended Action**  No action is required.

**Message**  VSHA-SLOT#-3-LOG_VSHA_STATE_TIMEOUT: VSHA Shutting Down. Deport Wait Timeout for sg: [chars] (vrid [dec]).

**Explanation**  SG was being shutdown. But DG could not be deported within specified time by the linecard

**Recommended Action**  No action is required.
**Message**  VSHA-SLOT#-3-LOG_VSHA_STATE: VSHA Shutting Down. Failure to deport dg: [chars] from sg: [chars] (vrid [dec]).

**Explanation**  DG was either removed from SG or SG was offline. But DG could not be deported by the linecard

**Recommended Action**  No action is required.

---

**VSHA-SLOT#-5**

**Message**  VSHA-SLOT#-5-LOG_VSHA_ARBT_DISK_STATE: Arbitration_disk [chars] for Service_Group [chars] (vrid [dec]) in error state

**Explanation**  FCDD has reported arbt_disk as deleted/no longer accessible.

**Recommended Action**  No action is required.

**Message**  VSHA-SLOT#-5-LOG_VSHA_DG_STATE: Disk_Group [chars] from Service_Group [chars] (vrid [dec]) in error state

**Explanation**  VSHA resource monitor has detected DG is not accessible.

**Recommended Action**  No action is required.

**Message**  VSHA-SLOT#-5-LOG_VSHA_SG_STATE: State change for sg [chars] (vrid [dec]). New state is [chars]. State change reason is [chars]

**Explanation**  Either a fail over or user command caused a sg state change.

**Recommended Action**  No action is required.

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**VSHD Messages**

This section contains the VSHD messages.

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**VSHD-2**

**Message**  VSHD-2-VSHD_SYSLOG_EOL_ERR: EOL function [chars] from library [chars] exited due to Signal [dec]

**Explanation**  Error in CLI EOL function

**Recommended Action**  No action is required.
Message  VSHD-2-VSHD_SYSLOG_PSS_SNAPSHOT_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]

Explanation  PSS snapshot error

Recommended Action  No action is required.

Message  VSHD-2-VSHD_SYSLOG_SDWRAP_ERR: Description:[chars] errcode:[dec]

Explanation  Debug infrastructure error

Recommended Action  No action is required.

VSHD-3

Message  VSHD-3-VSHD_ROLE_DISTRIBUTE_FAILURE: Role distribution operation ([chars]) failed with error id [hex]

Explanation  This is probably occurring due to unstable fabric

Recommended Action  Please retry operation when fabric is stable

Message  VSHD-3-VSHD_SYSLOG_FILE_ERR: Purpose:[chars] Filename:[chars] errcode:[dec]

Explanation  File handling error

Recommended Action  No action is required.

Message  VSHD-3-VSHD_SYSLOG_MTS_ERR: message [chars]

Explanation  MTS message handling error

Recommended Action  No action is required.

Message  VSHD-3-VSHD_SYSLOGPARSE_TREE_ERR: [chars]

Explanation  Error while updating parse tree in shell

Recommended Action  No action is required.

Message  VSHD-3-VSHD_SYSLOG_PSS_ERR: Purpose:[chars] URI:[chars] errcode:[dec]

Explanation  PSS handling error

Recommended Action  No action is required.
**VSHD-4**

**Message**  VSHD-4-VSHD_LICENSE_EXPIRY_WARNING: License [chars] expires on [chars]. Vsan policy will be set to default (deny) for all roles when license expires

**Explanation**  Vsan policy would be set default (deny) for all roles when license expires

**Recommended Action**  Please install the license file to continue using the feature.

**Message**  VSHD-4-VSHD_ROLE_DATABASE_OUT_OF_SYNC: Role configuration database found to be different between the switches during merge

**Explanation**  Role configuration database is recommended to be identical among all switches in the fabric.

**Recommended Action**  Edit the configuration on one of the switches to obtain the desired role configuration database and then commit it

**Message**  VSHD-4-VSHD_ROLE_DATABASE_VERSION_NOT_UNDERSTOOD: This switch does not understand the version of role configuration database received during merge

**Explanation**  This is probably occurring due to different versions of system image on switches in the fabric.

**Recommended Action**  Please make sure all switches are running the same version of the system image

**VSHD-5**

**Message**  VSHD-5-VSHD_SYSLOG_CONFIG_CHANGE: VDC=[chars], VTY=[chars], user=[chars], CMD="[chars]"

**Explanation**  Configuration change notification

**Recommended Action**  No action is required.

**Message**  VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from vty by [chars] on [chars]

**Explanation**  CLI Configuration mode was exited

**Recommended Action**  No action is required.

**Message**  VSHD-5-VSHD_SYSLOG_ROLE_CREATED: New cli role [chars] created

**Explanation**  New cli role created.

**Recommended Action**  No action is required.
VSHD-7

Message  VSHD-7-VSHD_SYSLOG_PARSE_TREE_UPDATE: Parse tree [chars]
Explanation  Parse tree updated in shell
Recommended Action  No action is required.

VTP Messages

This section contains the VTP messages.

VTP-0

Message  VTP-0-EMERGENCY_MSG: [chars]
Explanation  VTP Emergency Message
Recommended Action  Capture show tech-support vtp

VTP-1

Message  VTP-1-ALERT_MSG: [chars]
Explanation  VTP Alert Message
Recommended Action  Capture show tech-support vtp

VTP-2

Message  VTP-2-CRITICAL_MSG: [chars]
Explanation  VTP Critical Message
Recommended Action  No action is required.

Message  VTP-2-VTP_MODE_OFF_LONG_VLAN_NAME_EXIST: VTP Mode changed to off as long vlan configuration exists
Explanation  By default, VTP feature comes up in Server mode. long vlans can only operate in VTP transparent/off mode. As long vlan configuration already exist, VTP mode is changed to off.
Recommended Action  No action is required.
Message  VTP-2-VTP_MODE_OFF_PVLAN_EXIST: VTP Mode changed to off as Private VLAN configuration exists

Explanation  By default, VTP feature comes up in Server mode. Private vlans can only operate in VTP transparent/off mode As Private Vlan configuration already exist, VTP mode is changed to off.

Recommended Action  No action is required.

Message  VTP-2-VTP_MODE_OFF_RESERVED_VLAN_EXIST: VTP Mode changed to off as reserved vlan configuration exists

Explanation  By default, VTP feature comes up in Server mode. reserved vlans can only operate in VTP transparent/off mode As Reserved Vlan configuration already exist, VTP mode is changed to off.

Recommended Action  No action is required.

Message  VTP-2-VTP_MODE_TRANSPARENT_VLAN_RES_LIMIT_EXIST: VTP Mode changed to transparent as vlan resource limit configuration exists

Explanation  By default, VTP feature comes up in Server mode. resource limit configuration can only operate in VTP transparent/off mode As vlan resource limit configuration exists, VTP mode is changed to transparent.

Recommended Action  No action is required.

VTP-3

Message  VTP-3-ERROR_MSG: [chars]

Explanation  VTP Message

Recommended Action  No action is required.

VTP-4

Message  VTP-4-BAD_STARTUP_VLAN_CONFIG_FILE: Failed to configure VLAN from startup-config. Fallback to use VLAN configuration file from non-volatile memory

Explanation  VLAN software failed to use VLAN configuration from startup-config file. It will fallback to use the binary VLAN configuration file in non-volatile memory.

Recommended Action  No action is required.
Message  VTP-4-VLAN_CREATE_FAIL: Failed to create VLANs [chars]: [chars]

Explanation  The VLANs specified in the error message could not be created. The VLAN manager called an VLAN database routine to create one or more VLANs, but the Vlan Manager failed the VLAN creation requests.

Recommended Action  Collect show tech-support

Message  VTP-4-VTP_BAD_VLAN_CONFIGURATION_FILE_VERSION: VLAN configuration file contained unknown file version: [dec]

Explanation  The VLAN configuration file read by the VLAN manager contained an unrecognized file version number. (This may indicate an attempt to regress to an older version of the VLAN manager software.)

Recommended Action  LOG_STD_ACTION

Message  VTP-4-VTP_BAD_VLAN_CONFIGURATION_FILE: Vlan configuration file contained incorrect verification word: [hex]

Explanation  The VLAN configuration file read by the VLAN manager did not begin with correct value which would indicate a valid VLAN configuration file. Thus, it has been rejected.

Recommended Action  Collect show tech-support

Message  VTP-4-VTP_BAD_VLAN_DOMAIN_NAME_LENGTH: VLAN configuration file contained incorrect domain name length: [dec]

Explanation  The VLAN configuration file read by the VLAN manager did not contain a valid domain name length. Thus, it has been rejected.

Recommended Action  Please provision VTP domain name again

Message  VTP-4-VTP_BAD_VLAN_PASSWORD_LENGTH: VLAN configuration file contained incorrect VTP password length: [dec]

Explanation  The VLAN configuration file read by the VLAN manager did not contain a valid VTP password length. Thus, it has been rejected.

Recommended Action  Please provision VTP password again

Message  VTP-4-VTP_INVALID_DATABASE_DATA: VTP received bad data

Explanation  Invalid data was received by VTP process

Recommended Action  Collect show tech-support
Message  VTP-4-VTP_PROTOCOL_ERROR: VTP protocol code internal error: [chars]
Explanation  VTP protocol code encountered an unexpected error will processing configuration request, packet, or timer expiration.
Recommended Action  Collect show tech-support

Message  VTP-4-WARN_MSG: [chars]
Explanation  VTP Warning Message
Recommended Action  No action is required.

VTP-5

Message  VTP-5-NOTIF_MSG: [chars]
Explanation  VTP Notification Message
Recommended Action  No action is required.

VTP-6

Explanation  VTP received an unexpected error return from a file system call.
Recommended Action  Collect show tech-support

Message  VTP-6-INFO_MSG: [chars]
Explanation  VTP Informational Message
Recommended Action  No action is required.

Message  VTP-6-VTP_DOMAIN_NAME_CHG: VTP domain name changed to [chars].
Explanation  The VTP domain name was changed through configuration to the name specified in the message. A management domain is the naming scope of a VLAN name. Each VLAN has a name that is unique within the management domain.
Recommended Action  No action is required.
**Message**  VTP-6-VTP_MODE_CHANGE: VLAN manager changing device mode from [chars] to [chars].

**Explanation**  Some switch devices must automatically change VTP device modes upon receipt of a VLAN configuration database containing more than a set number of VLANs, depending on the device. This message indicates that such a spontaneous conversion has occurred, what the previous mode was, and what the current mode is.

**Recommended Action**  No action is required.

**Message**  VTP-6-VTP_OLD_CONFIG_FILE_READ: Old version [dec] VLAN configuration file detected and read OK. Version [dec] files will be written in the future.

**Explanation**  VLAN software detected an old version of the VLAN configuration file format. It was able to interpret the file with no problems but will create files using the new format in the future.

**Recommended Action**  No action is required.

**Message**  VTP-6-VTP_PRUNING_CHANGE: VTP Operational Pruning [chars].

**Explanation**  VTP operational pruning changed. This can happen due to admin pruning change, VTP mode changes or VTP config propagation. show vtp status' output can be looked up to find the reason for this change.

**Recommended Action**  Check 'show vtp status' output to find the reason for this change.No action is required.

**VTP-7**

**Message**  VTP-7-DEBUG_MSG: [chars]

**Explanation**  Association Manager Debug Message

**Recommended Action**  No action is required.

**WWN Messages**

This section contains the WWN messages.
**WWN-1**

**Message**  WWN-1-TYPE1_ALERT: [dec] (< [dec] %) Remain

**Explanation**  The WWN Manager has run out of WWNs. No new dynamically allocated WWNs are available. However, statically assigned WWNs such as switch WWN, port WWN, etc. are still available.

**Recommended Action**  Please add additional WWNs by programming a new Secondary MAC address and its range.

**Message**  WWN-1-TYPES2_5_ALERT: Only [dec] (< [dec] %) Type 2 & 5 WWNs Remain

**Explanation**  The WWN Manager has run out of WWNs of NAA Types 2 and 5

**Recommended Action**  Please add additional WWNs by programming a new Secondary MAC address and its range.

**WWN-2**

**Message**  WWN-2-BKPLN_PROM_CANT_READ: Can not read backplane PROM

**Explanation**  The WWN Manager has failed to read chassis information. No dynamic WWNs could be allocated.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message**  WWN-2-EXITING: Exited due to [chars]

**Explanation**  The WWN Manager process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action**  No action is required.

**Message**  WWN-2-GENERAL_ERROR: [chars]

**Explanation**  The WWN Manager has encountered an critical error. The description of error is [str].

**Recommended Action**  No action is required.

**Message**  WWN-2-MALLOC_ERROR: Size [dec] bytes

**Explanation**  The WWN Manager could not allocate memory.

**Recommended Action**  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.
Message  WWN-2-PSS_BKP_PSS_MISMATCH: Block [dec]: PSS: Not Free; BKPLN PROM: Free

Explanation  This WWN Manager detected a discrepancy between the information on the chassis and that in its persistent information databases. The persistent information database has been updated with the information on the chassis.

Recommended Action  No action is required.

Message  WWN-2-PSS_ERROR: [chars]

Explanation  The WWN Manager encountered error while operating on a persistent storage database.

Recommended Action  No action is required.

Message  WWN-2-STDOUT_ROTATE_FAILURE: Failed to rotate stdout file: [chars]

Explanation  The WWN Manager has failed to rotate its current stdout file with filename [str.]. The filesize could grow beyond its maximum limit.

Recommended Action  No action is required.

Message  WWN-2-TYPE1_CRIT: [dec] (< [dec]%): Remain

Explanation  The WWN Manager has only [dec] or less than [dec]-percent WWNs remaining.

Recommended Action  Please add additional WWNs by programming a new Secondary MAC address and its range.

Message  WWN-2-TYPES2_5_CRIT: [dec] (< [dec]%): Remain

Explanation  The WWN Manager has only [dec] or less than [dec]-percent WWNs of NAA Types 2 and 5 remaining.

Recommended Action  Please add additional WWNs by programming a new Secondary MAC address and its range.

WWN-3

Message  WWN-3-PSS_SYNC_TO_STNDBY_FAILED: PSS TYPE=[chars] KEY=[chars]

Explanation  Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[str] Key=[str].

Recommended Action  No action is required.
Message  WWN-3-RELEASE_ERR_UNKNOWN: Unknown WWN [chars] [chars]

Explanation  WWN Manager received a request to release a WWN [char] that could not have been allocated by this WWN Manager due to [char].

Recommended Action  No action is required.

Message  WWN-3-RELEASE_ERR: Cant Rel. WWN [chars]

Explanation  WWN Manager received a request to release a WWN that cannot be released.

Recommended Action  No action is required.

Message  WWN-3-STARTUP_COPY_TO_RUNNING_FAILED: [chars]

Explanation  Could not snapshot Startup-Config PSS to Running-Config. The description of error is [str.].

Recommended Action  No action is required.

Message  WWN-3-TOOMANY_REQ_REL: WWNs [chars] = [dec]

Explanation  The WWN Manager received a request to allocate [dec] WWN, which is more than the maximum number of WWNs that can be allocated/released in a single request.

Recommended Action  No action is required.

Message  WWN-3-UNKNOWN_MSG: Received from Node=[dec] SAP=[dec] Opcode=[dec]

Explanation  The WWN Manager has received an unknown message from [dec],[dec] with opcode [dec]. This information is for debugging only.

Recommended Action  No action is required.

Message  WWN-3-WWN_PSS_CORRUPTED: [chars] PSS found corrupted

Explanation  The WWN Manager has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action  No action is required.
**WWN-4**

**Message**  WWN-4-PSS_SUP_CNT_MISMATCH: PSS [dec] Bkpln [dec]

**Explanation**  The WWN Manager has detected that some other supervisor card was plugged in earlier on this chassis. This WWN Manager is making sure that new WWNs allocate do not conflict with WWNs that could have been allocated by the previous supervisor card.

**Recommended Action**  No action is required.

**Message**  WWN-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]

**Explanation**  There was a version mismatch between the WWN Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action**  No action is required.

**Message**  WWN-4-TYPE1_WARN: [dec] (< [dec]%) Remain

**Explanation**  The WWN Manager has only [dec] or less than [dec]-percent WWNs remaining for allocation.

**Recommended Action**  No action is required.

**Message**  WWN-4-TYPES2_5_WARN: [dec] (< [dec]%) Remain

**Explanation**  The WWN Manager has only [dec] or less than [dec]-percent WWNs of NAA Types 2 and 5 remaining.

**Recommended Action**  Please add additional WWNs by programming a new Secondary MAC address and its range.

**WWN-5**

**Message**  WWN-5-VSAN_WWN_CHANGE: [chars]

**Explanation**  VSAN-WWN created or deleted. The description of error is [str.].

**Recommended Action**  No action is required.
WWN-6

Message  WWN-6-ALLOCATED_BLOCK: Block number [dec]

Explanation  The WWN Manager has allocated a new block, block number [dec], of 256 WWNs for internal use.

Recommended Action  No action is required.

Message  WWN-6-BECAME_ACTIVE: Became ACTIVE from standby mode

Explanation  The WWN Manager on the standby supervisor became active and it is ready to serve client requests for WWNs.

Recommended Action  No action is required.

Message  WWN-6-BECAME_STDBY: Became STANDBY from active mode

Explanation  The WWN Manager became standby from active mode.

Recommended Action  No action is required.

Message  WWN-6-EXCESSIVE_DELAY: [chars]

Explanation  Excessive time taken for a processing event. The description of the event is [str.].

Recommended Action  No action is required.

Message  WWN-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

Explanation  The WWN Manager was unable to send heartbeat to the system manager.

Recommended Action  No action is required.

Message  WWN-6-GENERAL_EVENT: [chars]

Explanation  The WWN Manager has generated an important event. The description of the event is [str.].

Recommended Action  No action is required.

Message  WWN-6-PSS_CREATED: [chars] PSS Created

Explanation  One of the persistent information database of the WWN Manager has been recreated.

Recommended Action  No action is required.
Message  WWN-6-PSS_DESTROYED: [chars] PSS Destroyed

Explanation  One of the persistent information databases has been intentionally destroyed and would be recreated.

Recommended Action  No action is required.

Message  WWN-6-RELEASED_BLOCK: Block number [dec]

Explanation  The WWN Manager has released a block, block number [dec], of 256 WWNs.

Recommended Action  No action is required.

Message  WWN-6-SEC_MAC_UPDATED: MAC=[chars] Range=[dec]

Explanation  The WWN Manager had updated the Secondary MAC address with MAC address [char] and range [dec]. This update was initiated from a management entity.

Recommended Action  No action is required.

Message  WWN-6-SERVICE_UP: Initialized [chars]

Explanation  The WWN Manager is up and ready to accept client requests for WWNs. The service was initialized in [char] mode.

Recommended Action  No action is required.

Message  WWN-6-SWITCHOVER: Switching Over to other Supervisor

Explanation  The WWN Manager has successfully switched over to the standby supervisor card.

Recommended Action  No action is required.

### WWN-7

Message  WWN-7-RELEASE_ERR_FREE: Already free WWN [chars]

Explanation  A client of WWN Manager attempted to release WWN [char] which is already free. This information is for debugging only.

Recommended Action  No action is required.

### X2_USD Messages

This section contains the X2_USD messages.
X2_USD-2

Message X2_USD-2-DC3_X2_SYSLOG_INTERNAL_SOFTWARE_ERROR: An internal error in the X2 driver occurred on port [dec]: [chars] [dec]

Explanation An unexpected internal X2 driver software error occurred

Recommended Action Contact technical support

Message X2_USD-2-DC3_X2_SYSLOG_INVALID_TRANSCEIVER_TYPE: Module in port [dec] has an invalid transceiver type of [hex]

Explanation An unsupported module was plugged into the port

Recommended Action Retry with a supported module

Message X2_USD-2-DC3_X2_SYSLOG_NVRAM_CHKSUM_FAILURE: NVRAM checksum failure for module in port [dec]

Explanation Non-volatile memory checksum error in module.

Recommended Action Remove and reinsert module and retry operation. If the error still persists try with new a module. Sometimes the error will be displayed if the module is not inserted properly. All this log suggests is to retry the insertion and see if the error goes away if it doesn’t then it’s a issue with module.

Message X2_USD-2-DC3_X2_SYSLOG_ONEX_INITIALIZATION_FAILURE: A validated OneX module in port [dec] failed initialization with error [hex]

Explanation A OneX module was detected and validated, but failed initialization

Recommended Action Remove and reinsert module and retry operation

Message X2_USD-2-DC3_X2_SYSLOG_ONEX_VALIDATION_FAILURE: OneX module in port [dec] failed validation with error [hex]

Explanation A counterfeit OneX module detected, or a valid OneX has a corrupt sprom

Recommended Action Replace OneX module
X2_USD Messages

X2_USD-5

Message X2_USD-5-DC3_X2_SYSLOG_ONEX_INSERTION: OneX inserted into port [dec]
Explanation OneX X2 to SFP+ Converter inserted is detected
Recommended Action Ensure OneX insertion an expected action

Message X2_USD-5-DC3_X2_SYSLOG_ONEX_REMOVAL: OneX removed from port [dec]
Explanation OneX X2 to SFP+ Converter removal is detected
Recommended Action Ensure OneX removal an expected action

Message X2_USD-5-DC3_X2_SYSLOG_ONEX_SFPPLUS_INSERTION: SFP+ inserted into port [dec]
Explanation SFP+ insertion into OneX X2 to SFP+ Converter detected
Recommended Action Ensure SFP+ insertion into OneX an expected action

Message X2_USD-5-DC3_X2_SYSLOG_ONEX_SFPPLUS_REMOVAL: SFP+ removed from port [dec]
Explanation SFP+ removal from OneX X2 to SFP+ Converter detected
Recommended Action Ensure SFP+ removal from OneX an expected action

XBAR_CLIENT Messages

This section contains the XBAR_CLIENT messages.

XBAR_CLIENT-2

Message XBAR_CLIENT-2-CROSS_LINK_SYNC_LOSS: XBAR-[chars].
Explanation Cross links lost sync and hence xbar is brought down.
Recommended Action Please reload the xbar using reload xbar <xbar-num>
Message  XBAR_CLIENT-2-MEM_FULL: Memory allocation failed.

Explanations  XBAR_CLIENT process has failed to allocate memory.

Recommended Action Please perform a show system internal xbar-client internal1 event-history' to collect more information.

Message  XBAR_CLIENT-2-MEM_FULL: memory allocation failed

Explanations  Process xbar_client failed to allocate memory

Recommended Action Please examine the xbar-client event-history for more information.

Message  XBAR_CLIENT-2-PROC_DN: Process is shutting down: [chars].

Explanations  XBAR_CLIENT process is exiting.

Recommended Action Please perform a 'show system internal xbar-client internal1 event-history' to collect more information.

Message  XBAR_CLIENT-2-PROC_DN: exiting: [chars].

Explanations  Process xbar_client is exiting

Recommended Action Please examine the xbar-client event-history for more information.

Message  XBAR_CLIENT-2-PROC_INITFAIL: Process initialization failed due to [chars].

Explanations  XBAR_CLIENT process has failed initialization.

Recommended Action Please perform a show system internal xbar-client internal1 event-history to collect more information.

Message  XBAR_CLIENT-2-PROC_INITFAIL: Process initialization failed due to [chars].

Explanations  XBAR_CLIENT process has failed initialization.

Recommended Action Please perform a 'show system internal xbar-client internal1 event-history' to collect more information.

Message  XBAR_CLIENT-2-PROC_INITFAIL: initialization failed due to [chars]

Explanations  Process xbar_client failed initialization

Recommended Action Please examine the xbar-client event-history for more information.
XBAR_CLIENT-3

Message  XBAR_CLIENT-3-IPC_MSGERR: Error in processing IPC message: [dec], Error code = [dec].

Explanation  XBAR_CLIENT process has encountered an error in processing message.

Recommended Action  Please perform a show system internal xbar-client internal1 event-history' to collect more information.

Message  XBAR_CLIENT-3-IPC_MSGERR: failure processing IPC message [dec], error code = [dec]

Explanation  Process xbar_client failed to process IPC message

Recommended Action  Please examine the xbar-client event-history for more information.

Message  XBAR_CLIENT-3-IPC_MSGUNKN: Received unexpected IPC message: [dec].

Explanation  XBAR_CLIENT process has received an unknown message.

Recommended Action  Please perform a show system internal xbar-client internal1 event-history' to collect more information.

Message  XBAR_CLIENT-3-IPC_MSGUNKN: unknown IPC message received: [dec]

Explanation  Process xbar_client has received an unknown IPC message.

Recommended Action  Please examine the xbar-client event-history for more information.

Message  XBAR_CLIENT-3-SUP2_XBC_MOD_INIT_FAIL: [chars], errcode - [hex]

Explanation  The module initialization failed

Recommended Action  Please perform a 'show process xbar-client event-history' to collect more information'

XBAR_CLIENT-SLOT#-2

Message  XBAR_CLIENT-SLOT#-2-VEGAS2_XBC_MEM_FULL: memory allocation failed in routine [chars]

Explanation  Process xbar_client failed to allocate memory

Recommended Action  Please perform a 'show process xbar-client event-history' to collect more information'
Message XBAR_CLIENT-SLOT#-2-VEGAS2_XBC_PROC_DN: terminating due to signal [dec]

Explanation Process xbar_client is exiting

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

Message XBAR_CLIENT-SLOT#-2-VEGAS2_XBC_PROC_INITFAIL: initialization failed: [chars], errno [dec]

Explanation Process xbar_client failed initialization

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

XBAR_CLIENT-SLOT#-3

Message XBAR_CLIENT-SLOT#-3-VEGAS2_XBC_IPC_MSGUNKN: unknown IPC message received: opcode [dec]

Explanation Process xbar_client has received an unknown IPC message

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

Message XBAR_CLIENT-SLOT#-3-VEGAS2_XBC_MOD_INIT_FAIL: [chars], errcode - [hex]

Explanation The module initialization failed

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

XBAR_DRIVER_USD Messages

This section contains the XBAR_DRIVER_USD messages.

XBAR_DRIVER_USD-2

Message XBAR_DRIVER_USD-2-SCZ_ACCESS_FAILED: Xbar Driver Failed to access reg for [chars]

Explanation Xbar Driver Access failed

Recommended Action No action is required.
Message XBAR_DRIVER_USD-2-SCZ_CATASTROPHIC: Xbar Driver catastrophic failure: [chars]

Explanation Xbar Driver catastrophic error
Recommended Action No action is required.

Message XBAR_DRIVER_USD-2-SCZ_INTR: Xbar Driver Interrupt occurred: [chars]

Explanation Interrupt occurred on the xbar
Recommended Action No action is required.

Message XBAR_DRIVER_USD-2-SCZ_SW_INIT_ABORTED: Xbar Driver Failed to finish Software Initialization: [chars]

Explanation Xbar Driver Software Initialization failed
Recommended Action No action is required.

Message XBAR_DRIVER_USD-2-SHUTDOWN: Xbar Driver software process exiting: [chars]

Explanation Xbar Driver shutting down
Recommended Action No action is required.

Message XBAR_DRIVER_USD-2-SYNC_FAILED: Xbar Driver sync failed: [chars]

Explanation Xbar Driver Sync failed for the xbar channel
Recommended Action No action is required.

XBAR_DRIVER_USD-3

Message XBAR_DRIVER_USD-3-EN_DATA_FAILED: Xbar Driver enable data failed for slot:[dec] asic:[dec] channel: [hex]

Explanation Xbar Driver Enable Data path failed for the xbar channel
Recommended Action No action is required.
XBAR_DRIVER_USD-5

**Message**  XBAR_DRIVER_USD-5-STARTING: Xbar Driver process starting

**Explanation**  Xbar Driver process is being started

**Recommended Action**  No action is required.

XBAR_DRIVER_USD-6

**Message**  XBAR_DRIVER_USD-6-DIS_DATA: Xbar Driver disable datapath done for slot:[dec] asic:[dec] channel: [hex]

**Explanation**  Disabled Data path successfully for the xbar channel

**Recommended Action**  No action is required.

**Message**  XBAR_DRIVER_USD-6-EN_DATA: Xbar Driver enable datapath done for slot:[dec] asic:[dec] channel: [hex]

**Explanation**  Enabled Data path successfully for the xbar channel

**Recommended Action**  No action is required.

**Message**  XBAR_DRIVER_USD-6-HW_INIT: Xbar Driver HW initialization has been done for Slot: [dec] Asic: [dec]

**Explanation**  Xbar Driver HW initialization has been called [dec]

**Recommended Action**  No action is required.

**Message**  XBAR_DRIVER_USD-6-SYNC_DONE: Xbar Driver sync done for slot: [dec] asic: [dec] channel: [hex]

**Explanation**  Sync Completed successfully for the xbar channel

**Recommended Action**  No action is required.

XBAR Messages

This section contains the XBAR messages.
XBAR-2

Message XBAR-2-ARB_INIT_FAIL: Arbiter Initialization failed return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-2-INCOMPATIBLE_CONFIG: [chars] [dec] [chars].

Explanation This module is not compatible with the current fabric mode. It will be powered down.

Recommended Action No action is required.

Message XBAR-2-XBAR_INSUFFICIENT_XBAR_BANDWIDTH: Module in slot [dec] has insufficient xbar-bandwidth.

Explanation To track insufficient xbar-bandwidth.

Recommended Action No action is required.

Message XBAR-2-XBAR_MIXED_SPINES_POLICY_MATCHED: [chars]

Explanation Fabric could not be brought online due to policy match:

Recommended Action No action is required.

Message XBAR-2-XBAR_SUFFICIENT_XBAR_BANDWIDTH: Module in slot [dec] has sufficient xbar-bandwidth.

Explanation To track recovery from insufficient xbar-bandwidth.

Recommended Action No action is required.

Message XBAR-2-XBM_EEM_FABRIC_ACTION: Fabric [chars] has been reloaded by xbar-manager because of an eem-policy triggered action [chars] %i

Explanation Xbar-manager has removed the fabric because an eem policy has been met. This means that the fabric has hit the maximum number of recoverable sync-losses with multiple line-cards within a time-window.

Recommended Action No action is required.
Message XBAR-2-XBM_EEM_MODULE_ACTION: Module [chars] has been reloaded by xbar-manager because of an eem-policy triggered action

Explanation Xbar-manager has removed the linecard because an eem policy has been met. This means that the module has hit the maximum number of recoverable sync-losses with fabric card(s) within a time-window.

Recommended Action No action is required.

Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Module-[num] detects CRC error at Ingress Qengine, putting it in failure state

Explanation CRC errors reported on the ingress queue of the module [num].

Recommended Action Replace the module that reports error.

Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Module-[num] detects CRC error at Ingress stage2, putting it in failure state

Explanation CRC errors reported on the ingress crossbar of the module [num].

Recommended Action Replace the module that reports error.

Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Xbar [num] detects CRC error at ingress stage3, putting it in failure state

Explanation CRC errors reported on the ingress crossbar [num] of the chassis.

Recommended Action Replace the module that reports error.

Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Module-[num] detects CRC Error at Egress stage4/Qengine, putting it in failure state as there is only one fabric

Explanation CRC errors reported on the egress crossbar of the module [num].

Recommended Action Replace the module that reports error.

Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Module-[num] detects CRC Error at Egress stage4/Qengine, putting it in failure state as there is only one fabric

Explanation CRC errors reported on the egress crossbar of the module [num].

Recommended Action Replace the module that reports error.

Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Module-[num] detects CRC error at Egress stage4; due to Xbar [5] putting the connected Xbar in failure state

Explanation CRC errors reported on the egress crossbar [num] of the module [num]

Recommended Action Replace the module that reports error.
Message XBAR-2-XBAR_MONITOR_INTERNAL_CRC_ERR: Module-[num] detects CRC Error at Egress Q-engine, putting it in failure state

Explanation CRC errors reported on the egress queue of the module [num].

Recommended Action Replace the module that reports error.

XBAR-3

Message XBAR-3-MEM_FULL: Memory allocation failed. [chars]%i

Explanation

Recommended Action No action is required.

XBAR-4

Message XBAR-4-XBAR_MIXED_SPINES_IN_CHASSIS: [chars]

Explanation There are both FAB-1 and FAB-2 type spines in the Chassis. Please replace the FAB-1 spines with FAB-2 Spines.

Recommended Action No action is required.

XBAR-5

Message XBAR-5-ARBITER_INIT_FAILURE: Re-initializing Arbiter. [chars] [chars] module %i

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-ARB_CLEAR_PORT_FAIL: Arbiter reported failure to de-register port [dec] in group [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-ARB_INIT_MOD_DIS_INTR_FAIL: Arbiter reported failure to disable interrupt for module [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.
Message XBAR-5-ARB_INIT_MOD_INSERT_CHECK_FAIL: Arbiter reported failure to recognize module [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-ARB_INIT_MOD_INSERT_FAIL: Arbiter reported failure to init module [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-ARB_INIT_MOD_INTR_FAIL: Arbiter reported failure to enable interrupt for module [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-ARB_INIT_MOD_REMOVE_FAIL: Arbiter reported failure to remove module [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-ARB_INIT_PORT_FAIL: Arbiter reported failure to register port [dec] in group [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an arbiter setup failure.

Recommended Action No action is required.

Message XBAR-5-MOD_CONNECTION_REATTEMPT: Re-attempting XBAR connection with module [dec]

Explanation The module has experienced a setup failure on connecting the module to the fabric.

Recommended Action Collect more information about XBAR component. Use command show system internal xbar event-history module <module-id>

Message XBAR-5-SYNC_THRESHOLD_FAILURE: Module resync threshold exceeded [chars] module%i

Explanation This module has exceeded the number of resync attempts in a day. Module will be reloaded

Recommended Action No action is required.
Message  XBAR-5-XBAR_ENABLE_FPOE_DB_FAILURE: XBAR [chars] enabling FPOE-DB mode failed

Explanation  The supervisor failed to enable FPOE-DB mode in fabric. The supervisor is going to reboot. In case of dual supervisor, a switchover will occur.

Recommended Action  No action is required.

Message  XBAR-5-XBAR_INIT_FAILURE: XBAR [chars] initialization failed [chars] %i

Explanation  The supervisor has experienced a fabric initialization failure. The supervisor is going to reboot. In case of dual supervisor, a switchover will occur.

Recommended Action  No action is required.

Message  XBAR-5-XBAR_INIT_FAIL: Xbar [[dec].[dec]] reported failure during initialization return_code [hex] ([chars]).

Explanation  The supervisor has experienced an xbar setup failure.

Recommended Action  No action is required.

Message  XBAR-5-XBAR_MOD_INSERT_SEQ_FAILURE: [chars] for module [dec]

Explanation  The xbar manager received failure response and is failing the insert sequence

Recommended Action  No action is required.

Message  XBAR-5-XBAR_MOD_LC_INSERT_SEQ_FAILURE: Module in slot [dec] has failed insert sequence

Explanation  The xbar manager is failing the insert sequence

Recommended Action  No action is required.

Message  XBAR-5-XBAR_PORT_CHECK_SYNC_FAIL: Xbar [[dec].[dec]] reported failure to check sync on port [dec] return_code [hex] ([chars]).

Explanation  The supervisor has experienced an xbar setup failure.

Recommended Action  No action is required.

Message  XBAR-5-XBAR_PORT_CONTINUE_SYNC_FAIL: Xbar [[dec].[dec]] reported failure to continue sync on port [dec] return_code [hex] ([chars]).

Explanation  The supervisor has experienced an xbar setup failure.

Recommended Action  No action is required.
Message XBAR-5-XBAR_PORT_DISABLE_FAIL: Xbar [dec].[dec] reported failure to disable port [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.

Message XBAR-5-XBAR_PORT_ENABLE_FAIL: Xbar [dec].[dec] reported failure to enable port [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.

Message XBAR-5-XBAR_PORT_FORCE_POE_DISABLE_FAIL: Xbar [dec].[dec] reported failure to disable force poe mode on [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.

Message XBAR-5-XBAR_PORT_FORCE_POE_ENABLE_FAIL: Xbar [dec].[dec] reported failure to enable force poe mode on [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.

Message XBAR-5-XBAR_PORT_LPBACK_DISABLE_FAIL: Xbar [dec].[dec] reported failure to disable port loopback on [dec] returned [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.

Message XBAR-5-XBAR_PORT_LPBACK_ENABLE_FAIL: Xbar [dec].[dec] reported failure to enable port loopback on [dec] returned [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.

Message XBAR-5-XBAR_PORT_START_SYNC_FAIL: Xbar [dec].[dec] reported failure to start sync on port [dec] return_code [hex] ([chars]).

Explanation The supervisor has experienced an xbar setup failure.

Recommended Action No action is required.
Message XBAR-5-XBAR_RELEASE_ACCESS_FAIL: Slot [dec] reported failure releasing [chars] xbar access return_code [hex] ([chars])

Explanation  The supervisor has experienced an xbar access failure.

Recommended Action  No action is required.

Message XBAR-5-XBAR_SET_ACCESS_FAIL: Slot [dec] reported failure acquiring [chars] xbar access return_code [hex] ([chars])

Explanation  The supervisor has experienced an xbar access failure.

Recommended Action  No action is required.

Message XBAR-5-XBAR_STANDBY_SUP_ARB_FAIL: [chars] return_code [hex] ([chars])

Explanation  The supervisor has experienced an arbiter access failure.

Recommended Action  No action is required.

Message XBAR-5-XBAR_STATUS_REPORT: Module [dec] reported status for component [dec] code [hex].

Explanation  An error status has been reported. If error is on supervisor, the supervisor is going to reboot. In case of dual supervisors, a switchover will occur. If error is on module, the module will be power cycled.

Recommended Action  No action is required.

Message XBAR-5-XBAR_SW_INIT_FAIL: Xbar [[dec].[dec]] reported failure during sw initialization return_code [hex] ([chars]).

Explanation  The supervisor has experienced an xbar setup failure.

Recommended Action  No action is required.

Message XBAR-5-XBAR_VERSION_CHECK_FAILURE: XBAR [chars] SCZ version check failed [chars] %i

Explanation  This SUP has an older Santa cruz version, and so will not be allowed to power-up. Please upgrade to the latest supervisor version.

Recommended Action  No action is required.

XCVR_USD Messages

This section contains the XCVR_USD messages.
**XCVR_USB-6**

**Message**  XCVR_USB-6-XCVR_USB_DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

**Message**  XCVR_USB-6-XCVR_USB_LOG_MSG: [chars]

**Explanation**  Debug log message

No action is required.

**XCVR Messages**

This section contains the XCVR messages.

**XCVR-6**

**Message**  XCVR-6-XCVR_LIB_DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

**Message**  XCVR-6-XCVR_LIB_DEBUG_MSG: [chars]

**Explanation**  Debug log message

**Recommended Action**  No action is required.

**XMLMA Messages**

This section contains the XMLMA messages.

**XMLMA-2**

**Message**  XMLMA-2-HEARTBEAT_FAIL: XML master agent failed to send heart beat: [chars]

**Explanation**  XML master agent has failed sending heartbeat.

**Recommended Action**  No action is required.
Message XMLMA-2-INITFAIL: XML master agent initialization fails: [chars]
Explanation XML master agent has failed initialization.
Recommended Action No action is required.

Message XMLMA-2-MTSERROR: XML master agent mts operation failed: [chars]
Explanation XML master agent mts operation failed.
Recommended Action No action is required.

Message XMLMA-2-PSSFAILURE: XML master agent pss operation failed: [chars]
Explanation XML master agent pss operation failed.
Recommended Action No action is required.

Message XMLMA-2-XMLACRIT: XML master agent: [chars]
Explanation XML master agent critical log.
Recommended Action No action is required.

XMLMA-3

Message XMLMA-3-XMLMAERR: XML master agent: [chars]
Explanation XML master agent error log.
Recommended Action No action is required.

XMLMA-5

Message XMLMA-5-STARTING: XML master agent started [chars]
Explanation XML master agent has been started.
Recommended Action No action is required.

XMLMA-6

Message XMLMA-6-XMLMAEXIT: XML master agent exiting...: [chars]
Explanation XML master agent is exiting.
Recommended Action No action is required.
Message  XMLMA-6-XMLMALOG: XML master agent operation log: [chars]
Explanation  XML master agent operation log.
Recommended Action  No action is required.

XMLSA Messages

This section contains the XMLSA messages.

XMLSA-2

Message  XMLSA-2-HEARTBEAT_FAIL: XML sub agent failed sending heart beat: [chars]
Explanation  XML sub agent failed sending heartbeat.
Recommended Action  No action is required.

Message  XMLSA-2-INITFAIL: XML sub agent initialization fails: [chars]
Explanation  XML agent has failed initialization.
Recommended Action  No action is required.

Message  XMLSA-2-USER_INACTIVE: XML sub agent timed out: [chars]
Explanation  XML sub agent timed out due to inactivity.
Recommended Action  No action is required.

Message  XMLSA-2-VSH_ERR: XML sub agent vsh cmd error...: [chars]
Explanation  XML sub agent vsh cmd error.
Recommended Action  No action is required.

XMLSA-5

Message  XMLSA-5-STARTING: XML sub agent started: [chars]
Explanation  XML sub agent has been started.
Recommended Action  No action is required.
XMLSA-6

**Message**  XMLSA-6-XMLSAEXIT: XML sub agent exiting...: [chars]

**Explanation**  XML sub agent is exiting.

**Recommended Action**  No action is required.

**Message**  XMLSA-6-XMLSALOG: XML sub agent log: [chars]

**Explanation**  XML sub agent log.

**Recommended Action**  No action is required.

ZBM Messages

This section contains the ZBM messages.

ZBM-2

**Message**  ZBM-2-ZBM_HA_FAILURE: Failed to do high availability operation: [chars].

**Explanation**  Failed to do high availability operation. [chars] is the reason.

**Recommended Action**  No action is required.

**Message**  ZBM-2-ZBM_INIT_FAILED: Initialization failed for ZBM: [chars], reason: [hex].

**Explanation**  Initialization failed for ZBM due to [chars], reason: [hex].

**Recommended Action**  No action is required.

**Message**  ZBM-2-ZBM_INIT_WARNING: Initialization warning for ZBM: [chars], reason: [hex].

**Explanation**  Initialization warning for ZBM due to [chars], reason: [hex].

**Recommended Action**  No action is required.
Message  ZBM-2-ZBM_LINECARD_STATUS: Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error_id: [hex], catastrophic: [chars], restart count: [dec].

Explanation  Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error_id: [hex], catastrophic: [chars], restart count: [dec].

Recommended Action  No action is required.

Message  ZBM-2-ZBM_MALLOC_FAILURE: Memory allocation failed for size [dec]

Explanation  Memory allocation is failed for size [dec] bytes.

Recommended Action  Restart the process.

Message  ZBM-2-ZBM_MTS_FAILURE: Failed to do MTS operation: [chars].

Explanation  Failed to do MTS operation. [chars] is the reason.

Recommended Action  No action is required.

Message  ZBM-2-ZBM_MTS_REGISTRATION_FAILED: MTS options setting to [hex] failed for opCode: [dec].

Explanation  MTS options setting to [hex] failed for opCode: [dec].

Recommended Action  No action is required.

Message  ZBM-2-ZBM_PSS_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

Explanation  Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action  No action is required.

Message  ZBM-2-ZBM_PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

Explanation  There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

Recommended Action  No action is required.

Message  ZBM-2-ZBM_RUNTIME_FAILURE: [chars] [dec], Error: [hex]

Explanation  ZBM runtime failure is reported as [chars] [dec], reason: [hex].

Recommended Action  No action is required.
Message  ZBM-2-ZBM_TCAM_FAILURE: Failed to do TCAM operation: [chars].

Explanation  Failed to do TCAM operation. [chars] is the reason.

Recommended Action  No action is required.

Message  ZBM-2-ZBM_TCAM_SEND: [chars]

Explanation  Sending to Tcam [chars]

Recommended Action  No action is required.

ZBM-4

Message  ZBM-4-ZBM_WARNING: [chars] [dec]

Explanation  ZBM warning messages is reported as [chars] [dec].

Recommended Action  No action is required.

ZBM-6

Message  ZBM-6-ZBM_DIAG_EVENT_STATUS: [chars] [hex].

Explanation  ZBM system health management event status is reported as [chars] [hex].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_ECHO_PROGRAMMING_FAILED: [chars].

Explanation  Programming echo entry failed for [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_E_PORT_EVENT_STATUS: [chars] [chars].

Explanation  ZBM xEport event status is reported as [chars] [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_FCC_EVENT_STATUS: [chars] [chars].

Explanation  ZBM FCC event status is reported as [chars] [chars].

Recommended Action  No action is required.
Message  ZBM-6-ZBM_INIT_PROCESS: Zone Block Mgr process started [chars] at [chars]

Explanation  Zone Block Mgr process started in [chars] (stateless/stateful) mode at time [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_LINECARD_EVENT_STATUS: [chars] [hex].

Explanation  ZBM linecard event status is reported as [chars] [dec].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_MCAST_EVENT_STATUS: [chars] [chars].

Explanation  ZBM multicast event status is reported as [chars] [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_NX_PORT_EVENT_STATUS: [chars] [chars]

Explanation  ZBM Nx Port event status is reported as [chars] [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_PORT_MODE_EVENT_STATUS: [chars] [chars]

Explanation  ZBM portmode event status is reported as [chars] [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_RUNTIME_STATUS: [chars] [dec]

Explanation  ZBM runtime status is reported as [chars] [dec].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_STATUS: ZBM Status: [chars].

Explanation  ZBM status is reported as [chars].

Recommended Action  No action is required.

Message  ZBM-6-ZBM_UPDATE_SSRAM_QOS_EVENT_STATUS: [chars] [chars].

Explanation  ZBM update SSRAM for QoS event status is reported as [chars] [chars].

Recommended Action  No action is required.
ZONE Messages

This section contains the ZONE messages.

ZONE-2

Message  ZONE-2-LZ_EXITING: LUN/Read-only zoning process exited. Reason: [chars]

Explanation  The LUN/Read-only zoning process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action  No action is required.

Message  ZONE-2-LZ_GENERAL_ERROR: [chars]

Explanation  The LUN/Read-only zoning process has encountered a critical error. The description of error is [str].

Recommended Action  No action is required.

Message  ZONE-2-LZ_INIT_FAILED: Initialization of LUN/Read-only zoning Process failed at [chars]

Explanation  Initialization of LUN/Read-only zoning process failed at [char].

Recommended Action  No action is required.

Message  ZONE-2-LZ_MALLOC_ERROR: Size [dec] bytes

Explanation  The LUN/Read-only zoning process could not allocate memory.

Recommended Action  Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Message  ZONE-2-ZS_ALIAS_LIMIT_EXCEEDED: The limit for maximum number of aliases exceeded

Explanation  The number of aliases configured has exceeded the maximum number of aliases allowed per vsan Due to this, distribution or merge operation may fail.

Recommended Action  Make sure the number of aliases is less than the maximum allowed in a vsan.
Message  ZONE-2-ZS_ATTR_GROUP_LIMIT_EXCEEDED: The limit for maximum number of attribute groups exceeded

Explanation  The number of attribute groups configured has exceeded the maximum number of attribute groups allowed in a vsan Due to this, distribution or merge operation may fail.

Recommended Action  Make sure the number of attribute groups is less than the maximum allowed in a vsan.

Message  ZONE-2-ZS_BLOCKED_ATTR_PRESENT: Module [dec] failed to come online due to [chars]

Explanation  Module [dec] failed to come up due to [chars].

Recommended Action  Verify if RO/LUN/Broadcast attributes are configured, in any VSAN, disable if configured

Message  ZONE-2-ZS_CHANGE_ACA_FAILED: ACA failed: [chars]

Explanation  Zone Server cannot acquire change authorization: [chars].

Recommended Action  Verify the interoperability mode on all the switches OR retry later.

Message  ZONE-2-ZS_CHANGE_ACQUIRE_AUTH_FAILED: Acquire authorization failed on VSAN [dec]

Explanation  Zone Server cannot acquire authorization on VSAN [dec].

Recommended Action  No action is required.


Explanation  Zone Server cannot activate due to reason [chars] on domain [dec].

Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_ACTIVATION_FAILED_RESN: Activation failed: reason [chars]

Explanation  Zone Server cannot activate due to reason [chars].

Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_ACTIVATION_FAILED: Activation failed

Explanation  Zone Server cannot activate the zoneset.

Recommended Action  No action is required.
Message  ZONE-2-ZS_CHANGE_APPLY_FAILED: Apply changed failed on VSAN [dec]

Explanation  Zone Server cannot apply changes on VSAN [dec].

Recommended Action  No action is required.


Explanation  Zone Server cannot deactivate due to reason [chars] on domain [dec].

Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_DEACTIVATION_FAILED_RESN: Deactivation failed: reason [chars]

Explanation  Zone Server cannot deactivate due to reason [chars].

Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_DEACTIVATION_FAILED: Deactivation failed

Explanation  Zone Server cannot deactivate the zoneset.

Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_RELEASE_AUTH_FAILED: Release authorization failed on VSAN [dec]

Explanation  Zone Server cannot release authorization on VSAN [dec].

Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_RRCA_REJECTED: RRCA received from remote domain [dec] is rejected: [chars]

Explanation  Received invalid RRCA from domain [dec]: [chars]

Recommended Action  Verify the interoperability mode on the switch.

Message  ZONE-2-ZS_CHANGE_RUFC_REJECTED: RUFC received from remote domain [dec] is rejected: [chars]

Explanation  Received invalid RUFC from domain [dec]: [chars]

Recommended Action  Verify the interoperability mode on the switch.
Message  ZONE-2-ZS_CHANGE_SFC_FAILED: SFC failed: [chars]
Explanation  Zone Server cannot stage zone configuration: [chars].
Recommended Action  Verify the interoperability mode on all the switches.

Message  ZONE-2-ZS_CHANGE_SFC_REJECTED: SFC received from remote domain [dec] is rejected: [chars]
Explanation  Received invalid SFC from domain [dec]: [chars]
Recommended Action  Verify the interoperability mode on the switch.

Message  ZONE-2-ZS_CHANGE_STAGE_ACTIVATE_ZSSET_BY_NAME_FAILED: Stage activate zoneset by name failed on VSAN [dec]
Explanation  Zone Server cannot stage activate zoneset by name on VSAN [dec].
Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_STAGE_ACTIVATE_ZSSET_ENH_FAILED: Stage activate zone set enhanced failed on VSAN [dec]
Explanation  Zone Server cannot stage activate zone set enhanced on VSAN [dec].
Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_STAGE_DEACTIVATE_ZSSET_ENH_FAILED: Stage deactivate zoneset enhanced failed on VSAN [dec]
Explanation  Zone Server cannot stage deactivate zoneset enhanced on VSAN [dec].
Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_STAGE_DISTRIBUTE_DFLT_ZONE_FAILED: Stage distribute default zone failed on VSAN [dec]
Explanation  Zone Server cannot stage distribute default zone on VSAN [dec].
Recommended Action  No action is required.

Message  ZONE-2-ZS_CHANGE_STAGE_DISTRIBUTE_ZS_DB_FAILED: Stage distribute zoneset database failed on VSAN [dec]
Explanation  Zone Server cannot stage distribute zoneset database on VSAN [dec].
Recommended Action  No action is required.
**Message** ZONE-2-ZS_CHANGE_STAGE_SET_ZONING_MODE_FAILED: Stage set zoning mode failed on VSAN [dec]

**Explanation** Zone Server cannot stage set zoning mode on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS_CHANGE_STAGE_SET_ZONING_POLICIES_FAILED: Stage set zoning policies failed on VSAN [dec]

**Explanation** Zone Server cannot stage set zoning policies on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS_DB_OPERATION_FAILED: Database operation error: [chars]

**Explanation** Database operation is failed: [chars].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS_EXPORT_IMPORT_FAILED: [chars] operation failed

**Explanation** [chars] (Export/Import) operation failed.

**Recommended Action** No action is required.


**Explanation** Zone database size exceeded: [chars].

**Recommended Action** Make sure that database size is less than the maximum limit.

**Message** ZONE-2-ZS_FIPS_COMPLIANCE_FAILURE: FIPS compliance error: consecutively same random numbers

**Explanation** FIPS compliance error: consecutively same random numbers

**Recommended Action** No action is required.

**Message** ZONE-2-ZS_HARD_LIMIT_EXCEEDED: Maximum configurable zone limit of [dec] reached. Creation of any more zones is not supported.

**Explanation** The number of zones configured has exceeded the maximum number of zones: [dec] allowed across all vsan. Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of zones is less than the maximum allowed across all vsan.
Message  ZONE-2-ZS_INIT_FAILED: [chars]

Explanation  Zone Server initialization failed: [chars].

Recommended Action  No action is required.

Message  ZONE-2-ZS_LICENSE_UNAVAIL: License:[chars] unavailable, removing LUN members, read-only attribute and re-activating active zonesets on all affected VSANs

Explanation  License:[char] unavailable, removing LUN members, read-only attribute and re-activating active zonesets on all affected VSANs.

Recommended Action  No action is required.

Message  ZONE-2-ZS_LIC_FAILURE: License [chars] operation failed for license [chars]

Explanation  License [char] operation failed for license [char].

Recommended Action  No action is required.

Message  ZONE-2-ZS_LUN.DISABLING_FAILED: license expiry handling failed for VSAN [dec]

Explanation  License expiry handling failed for VSAN [dec].

Recommended Action  No action is required.

Message  ZONE-2-ZS_LUN_MEMBER_LIMIT_EXCEEDED: The limit for maximum number of lun members exceeded

Explanation  The number of lun members configured has exceeded the maximum number of lun members allowed across all VSANs Due to this, distribution or merge operation may fail.

Recommended Action  Make sure the number of lun members is less than the maximum allowed across all VSANs.

Message  ZONE-2-ZS_MALLOC_FAILURE: Memory allocation failed for size [dec]

Explanation  Memory allocation is failed for size [dec] bytes.

Recommended Action  Restart the process.
**Message** ZONE-2-ZS_MEMBER_SOFT_LIMIT_REACHED: Zone member count has reached the maximum validated limit of [dec]. Creation of any more members could potentially destabilize the fabric.

**Explanation** The number of zone members configured has exceeded the validated number of members: [dec] allowed across all VSANs. Creation of any more zones could potentially destabilize the fabric.

**Recommended Action** Make sure the number of zone members is less than the validated limit allowed across all VSANs.

**Message** ZONE-2-ZS_MEMBER_HARD_LIMIT_EXCEEDED: Maximum configurable unique zone member limit of [dec] reached. Creation of any more zone members is not supported.

**Explanation** The number of members configured has exceeded the maximum number of members: [dec] allowed across all VSANs. Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of members is less than the maximum allowed across all VSANs.

**Message** ZONE-2-ZS_MERGE_ADJ_NO_RESPONSE: Adjacent switch not responding, isolating interface [chars]

**Explanation** Interface [chars] isolated due to adjacent switch not responding to Zone Server requests.

**Recommended Action** Flap the interface.

**Message** ZONE-2-ZS_MERGE_FAILED: Zone merge failure, isolating interface [chars] [chars]

**Explanation** Interface [chars] isolated due to zone merge failure. error [chars]

**Recommended Action** Compare active zoneset with the adjacent switch OR use “zone merge interface [interface] {import/export} VSAN [VSAN-num]” command.

**Message** ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: Zone merge full database mismatch on interface [chars]

**Explanation** Full zoning databases are inconsistent between two switches connected by interface [chars]. Databases are not merged.

**Recommended Action** Compare full zoning database with the adjacent switch, correct the difference and flap the link.

**Message** ZONE-2-ZS_MERGE_UNKNOWN_FORMAT: Unknown format, isolating interface [chars]

**Explanation** Interface [chars] isolated due to unknown format in merge request.

**Recommended Action** Set the interoperability mode to same value on both switches.
Message  
ZONE-2-ZS_MTS_OPER_FAILED: MTS [chars] operation failed: [chars]

Explanation  
Zone Server MTS [chars] operation failed: [chars].

Recommended Action  
No action is required.

Message  
ZONE-2-ZS_NO_RSCN_ON_SW_CARD: Devices on Module [dec] will not be receiving RSCN as [chars]

Explanation  
Devices on Module [dec] will not be receiving RSCN as [chars].

Recommended Action  
Enable Zone Based RSCN

Message  
ZONE-2-ZS_PORT_SWAP_FAILURE: Port swap operation failed

Explanation  
Port swap operation failed.

Recommended Action  
No action is required.

Message  
ZONE-2-ZS_PSS_VER_MISMATCH: PSS version mismatch URL: [chars] (expected [chars], got [chars])

Explanation  
Configuration version mismatch. PSS URL [chars]. Expected version [chars], stored version [chars].

Recommended Action  
Upgrade/Downgrade to expected version.

Message  
ZONE-2-ZS_SHARED_DB_INIT_FAILED: Zone Server shared DB initialization failed: [chars].

Explanation  
Zone Server shared DB initialization failed.

Recommended Action  
No action is required.

Message  
ZONE-2-ZS_ZONE_SOFT_LIMIT_REACHED: Zone count has reached the maximum validated limit of [dec]. Creation of any more zones could potentially destabilize the fabric.

Explanation  
The number of zones configured has exceeded the validated number of zones: [dec] allowed across all vsan. Creation of any more zones could potentially destabilize the fabric.

Recommended Action  
Recommended Action Make sure the number of zones is less than the validated limit allowed across all vsan.
**Message**  ZONE-2-ZS_TCAM_BROADCAST_ZONE_DISABLED: Broadcast zoning disabled: Reason: Hard zoning disabled

**Explanation**  Broadcast zoning disabled: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action**  No action is required.

**Message**  ZONE-2-ZS_TCAM_LUN_ZONING_DISABLED: LUN zoning disabled: Reason: Hard zoning disabled

**Explanation**  LUN zoning disabled: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action**  No action is required.

**Message**  ZONE-2-ZS_TCAM_PROGRAMMING_FAILED: TCAM operation failed: [chars], Reason: [chars]

**Explanation**  TCAM Programming failure has occurred: [chars]. [chars] is the reason for failure.

**Recommended Action**  No action is required.

**Message**  ZONE-2-ZS_TCAM_READ_ONLY_ZONE_DISABLED: Read-only zoning disabled: Reason: Hard zoning disabled

**Explanation**  Read-only zoning disabled: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action**  No action is required.

**Message**  ZONE-2-ZS_TCAM_SWITCHED_TO_SOFT_ZONING_MODE: Switched to soft zoning: Reason: Hard zoning disabled

**Explanation**  Switched to soft zoning: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action**  No action is required.

**Message**  ZONE-2-ZS_VIRTUAL_DOMAIN_INCONSISTENT: IVR reporting virtual domain different from rib and domain manager in vsan [dec]

**Explanation**  IVR reporting virtual domain different from rib and domain manager in vsan [dec].

**Recommended Action**  No action is required.
Message  ZONE-2-ZS_ZONE_BASED_RSCN_DISABLED: Zone based RSCN Generation has been
Disabled. Devices on non ISOLA line cards will not be receiving RSCN

Explanation  Devices on one or more line cards will not be receiving RSCN as RSCN generation by
zone has been disabled on this switch

Recommended Action  No action is required.

Message  ZONE-2-ZS_ZONE_SET_LIMIT_EXCEEDED: The limit for maximum number of
zonesets exceeded

Explanation  The number of zonesets configured has exceeded the maximum number of zonesets
allowed across all VSANs Due to this, distribution or merge operation may fail.

Recommended Action  Make sure the number of zonesets is less than the maximum allowed across all
vsan.

ZONE-3

Message  ZONE-3-LZUNKNOWN_MSG: Recvd. from Node=[dec] SAP=[dec]

Explanation  The LUN/Read-only zoning process has received an unknown message from
[dec].[dec]. This information is for debugging only.

Recommended Action  No action is required.

Message  ZONE-3-ZS_ACTIVATION_FAILED_DUE_TO_QOS_DISABLED: Activation failed due
to qos not enabled

Explanation  Activation of zoneset failed due to qos not enabled

Recommended Action  Make sure qos is enabled and reactivate the zoneset in vsan.

Message  ZONE-3-ZS_MGMT_SBC_SDB_ERR: [chars] : [chars].

Explanation  FC CT Mgmt Security shared db operation: [chars]: [chars].

Recommended Action  Contact Cisco TAC for support.

ZONE-4

Message  ZONE-4-LZ_OTHER_CMD_TO_ZONED_OUT_LUN: FCP command [hex] received from
SID=[chars] to DID=[chars] for LUN=[chars]

Explanation  The LUN/Read-only zoning process has received. FCP command [int] from SID [char]
to DID [char] for a zoned out LUN [char].

Recommended Action  No action is required.
Message  ZONE-4-ROZ_WRITE_ACCESS_TO_READ_ONLY_LUN: FCP command [hex] received from SID=[chars] to DID=[chars] for LUN=[chars]

Explanation  The LUN/Read-only zoning process has received FCP command [int] from SID [char] to DID [char] for a read-only LUN [char].

Recommended Action  No action is required.

Message  ZONE-4-ZS_BROADCAST_LUN_WARNING: LUN member(s) and Broadcast attribute are present in zone [chars] in vsan [dec]. Broadcast violations can occur for LUN members.

Explanation  Broadcast violations can happen in zone [chars] in vsan [dec] since it has LUN zone members.

Recommended Action  No action is required.

Message  ZONE-4-ZS_CHANGE_LC_UPGRADE_IN_PROGRESS: Change protocol request is received from domain [dec] when linecard upgrade is in progress

Explanation  A change request has been received from domain [dec] when a linecard upgrade is in progress. The change request is rejected.

Recommended Action  No action is required.

Message  ZONE-4-ZS_DB_WARNING: [chars]

Explanation  Database operation warning: [chars].

Recommended Action  No action is required.

Message  ZONE-4-ZS_DOMAIN_MGR_WARNING: Unable to retrieve domain info from domain mgr error: [chars] in vsan [dec]

Explanation  Unable to retrieve info of domain from domain manager, error: [chars] in vsan [dec].

Recommended Action  No action is required.

Message  ZONE-4-ZS_FC2_OPER_FAILED: FC2 [chars] operation failed: [chars]

Explanation  Zone Server FC2 [chars] operation failed: [chars].

Recommended Action  No action is required.

Message  ZONE-4-ZS_IF_PORT_MODE_CONFLICT: Port mode conflict for if [chars]

Explanation  Port mode conflict for if [chars]

Recommended Action  Shutdown/no shutdown the interface
Message  ZONE-4-ZS_INVALID_FPORT_WWN_MEMBER: Virtual device fwwn: [chars] is not a valid zone/alias member virtual name: [chars] pwwn: [chars]

Explanation  Virtual device fwwn: [chars] is not a valid zone/alias member, virtual name: [chars] pwwn: [chars].

Recommended Action  No action is required.

Message  ZONE-4-ZS_LC_UPGRADE_CHANGE_IN_PROGRESS: Linecard upgrade request is received when change protocol is in progress

Explanation  A request for linecard upgrade has been received when change protocol is in progress. The linecard upgrade will occur after the completion of the change protocol.

Recommended Action  No action is required.

Message  ZONE-4-ZS_LICENSE_EXPIRY_WARNING: Feature [chars] evaluation license [chars] expiry in [dec] days

Explanation  Feature [chars1] will exceed its evaluation time period in [dec] days and will be shutdown unless a permanent license [chars2] is installed.

Recommended Action  Please install the license file to continue using the feature.

Message  ZONE-4-ZS_MEMBER_CONVERSION_FAILED: Zone Member conversion failed for [chars]. Error: [chars]

Explanation  Zone Member conversion has failed in: [chars] due to error: [chars]

Recommended Action  No action is required.

Message  ZONE-4-ZS_MGMT_SEC_RJT: FC CT Management Server query Rejected: [chars]. from FCID [hex]

Explanation  mgmt-security has rejected FC CT Management Server query: [chars]. from FCID [hex].

Recommended Action  No Action is required.

Message  ZONE-4-ZS_NON_INTEROPERABLE_ZONE_SET: Non inter operable active zoneset present on VSAN [dec] in interoperability mode

Explanation  Active zoneset has non inter operable members (FCID, FWWN...) when interoperability mode is turned on the VSAN [dec].

Recommended Action  Turn off interoperability mode OR make sure that active zoneset has only inter operable members (PWWN).
Message ZONE-4-ZS_QOS_LUN_WARNING: LUN member(s) and QoS attribute are present in zone [chars] in vsan [dec]. QoS will not be applicable for LUN members.

Explanation QoS will not be applicable to LUN zone members in zone [chars] in vsan [dec].

Recommended Action No action is required.

Message ZONE-4-ZS_SDV_VIRT_REAL_CONFLICT_WARNING: Virtual and Real devices are zoned together or zoned with same device. virtual name: [chars] pwwn: [chars]

Explanation Virtual and Real devices are zoned together or zoned with same device, virtual name: [chars] pwwn: [chars].

Recommended Action No action is required.

Message ZONE-4-ZS_TOO_MANY_ALIAS_IN_CURRENT_INTEROP_MODE: Too many aliases in current interoperability mode

Explanation Too many aliases configured in current interoperability mode on the VSAN. Due to this, the next zoneset activation, distribution or merge operation may fail.

Recommended Action Set the interoperability mode to appropriate value OR make sure the number of aliases is less than the maximum allowed in the current interoperability mode.

Message ZONE-4-ZS_UNSUPPORTED_MEMBER_IN_CURRENT_INTEROP_MODE: Unsupported member present in active or full zoneset in current interoperability mode

Explanation Active or full zoneset has members that are not supported in the current interoperability mode set on the VSAN.

Recommended Action Set the interoperability mode to appropriate value OR make sure that active or full zoneset has only supported members in the current interoperability mode.

ZONE-5

Message ZONE-5-ZS_EXPORT_IMPORT_COMPLETE: [chars] operation completed

Explanation [chars] (Export/Import) operation completed.

Recommended Action No action is required.

Message ZONE-5-ZS_POLICY_CHANGE: Default zoning policy changed to [chars]

Explanation Default zoning policy changed to (permit/deny).

Recommended Action No action is required.
Message  ZONE-5-ZS_ZONE_SET_ACTIVATED: Zoneset [chars] activated

Explanation  Zoneset [chars] activated.

Recommended Action  No action is required.

Message  ZONE-5-ZS_ZONE_SET_DEACTIVATED: Zoneset deactivated

Explanation  Zoneset deactivated.

Recommended Action  No action is required.

**ZONE-6**

Message  ZONE-6-LZ_BECAME_ACTIVE: LUN/Read-only zoning process became ACTIVE from standby mode

Explanation  The LUN/Read-only zoning process on the standby supervisor became active.

Recommended Action  No action is required.

Message  ZONE-6-LZ_BECAME_STDBY: LUN/Read-only zoning process became STANDBY from active mode

Explanation  The LUN/Read-only zoning process became standby from active mode.

Recommended Action  No action is required.

Message  ZONE-6-LZ_FAILED_TO_SEND_HEARTBEAT: LUN/Read-only zoning process failed to send heartbeat to system manager: Reason=[chars]

Explanation  The LUN/Read-only zoning process was unable to send heartbeat to the system manager.

Recommended Action  No action is required.

Message  ZONE-6-LZ_GENERAL_EVENT: [chars]

Explanation  The LUN/Read-only zoning process has generated an important event. The description of the event is [str].

Recommended Action  No action is required.
Message ZONE-6-LZ_INQUIRY_TO_ZONE_D_OUT_LUN: INQUIRY command received from SID=[chars] to DID=[chars] for LUN=[chars]

Explanation The LUN/Read-only zoning process has received INQUIRY FCP command from SID [char] to DID [char] for a zoned out LUN [char].

Recommended Action No action is required.

Message ZONE-6-LZ_REPORT_LUNS_CMD_RCVD: REPORT LUNS command received from SID=[chars] to DID=[chars] for LUN=[chars]

Explanation The LUN/Read-only zoning process has received REPORT LUNS FCP command from SID [char] to DID [char] for LUN [char].

Recommended Action No action is required.

Message ZONE-6-LZ_REQUESTSENSE_TO_ZONE_D_OUT_LUN: REQUEST SENSE command received from SID=[chars] to DID=[chars] for LUN=[chars]

Explanation The LUN/Read-only zoning process has received REQUEST SENSE FCP command from SID [char] to DID [char] for a zoned out LUN [char].

Recommended Action No action is required.

Message ZONE-6-LZ_SERVICE_UP: LUN/Read-only zoning Process initialized [chars]

Explanation The LUN/Read-only zoning process is up. The process was initialized in [char] mode.

Recommended Action No action is required.

Message ZONE-6-LZ_SWITCHOVER: LUN/Read-only zoning process switching over to other supervisor.

Explanation The LUN/Read-only zoning process has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

Message ZONE-6-ZS_CHANGE_ACA_REJECTED: ACA received from remote domain [dec] is rejected

Explanation Received invalid ACA from domain [dec]. Either the domain list do not match OR authorization has already been acquired by another switch.

Recommended Action Verify the interoperability mode on the switch.
Message  ZONE-6-ZS_FC2_OPER_INFO: FC2 [chars] operation failed: [chars]  
Explanation  Zone Server FC2 [chars] operation failed: [chars].  
Recommended Action  No action is required.

Message  ZONE-6-ZS_INIT_PROCESS: Zone Server process started [chars] at [chars]  
Explanation  Zone Server process started in [chars] (stateless/stateful) mode at time [chars].  
Recommended Action  No action is required.

Message  ZONE-6-ZS_INIT_WARNING: [chars]  
Explanation  Warning during Zone Server Initialization: [chars].  
Recommended Action  No action is required.

Message  ZONE-6-ZS_INVALID_MEMBER: Invalid member [dec] [chars]  
Explanation  Invalid member type [dec] [chars] received from the API call.  
Recommended Action  No action is required.

Message  ZONE-6-ZS_MGMT_SERVER_REQ: ZS received FC CT Mgmt Server [chars]. Command code [hex], from FCID [hex].  
Explanation  FC CT request has been received from Management Server. It is [chars]. Command code [hex], from FCID [hex].  
Recommended Action  No Action is required.

Message  ZONE-6-ZS_UNKNOWN_LIC_FEATURE: [chars]  
Explanation  Zone Server received an event for an known licensing feature: [chars].  
Recommended Action  No action is required.