



## **Cisco ACI System Messages Reference Guide**

April 6, 2015

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## Preface

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### Audience

This guide is designed for users who are responsible for troubleshooting issues that arise with the ACI fabric.

### Related Documentation

For detailed information about faults, events, and system messages in the ACI fabric, see the *Cisco APIC Faults, Events, and System Messages User Guide*.

### Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to [apic-docfeedback@cisco.com](mailto:apic-docfeedback@cisco.com). We appreciate your feedback.





# CHAPTER 1

## Understanding System Messages

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This chapter contains the following sections:

- [About System Messages, page 1-1](#)
- [NX-OS System Message Example, page 1-3](#)

### About System Messages

During operation, a fault or event in the Cisco Application Centric Infrastructure (ACI) system can trigger the sending of a system log (syslog) message to the console and, optionally, to a logging server on another system. A system message typically contains a subset of information about the fault or event, and the message is sent by syslog, by an SNMP trap, or by a Cisco Call Home message.

Many system messages are specific to the action that a user is performing or the object that a user is configuring or administering. These messages can be the following:

- Informational messages, providing assistance and tips about the action being performed
- Warning messages, providing information about system errors related to an object, such as a user account or service profile, that the user is configuring or administering
- Finite state machine (FSM) status messages, providing information about the status of an FSM stage

A system message can contain one or more variables. The information that the system uses to replace these variables depends upon the context in which you see the message.

System messages are created by various sources, such as the Application Policy Infrastructure Controller (APIC) or the spine and leaf switches in the ACI fabric. System messages from the switches can be generated by either of the following processes:

- The underlying NX-OS operating system of the spine and leaf switches
- ACI-related processes in the switch

Additional details about the faults or events that generate these system messages are described in the *Cisco APIC Faults, Events, and System Messages User Guide* and are listed in the *Cisco APIC Management Information Model Reference*, a web-based document.



#### Note

Not all system messages indicate problems with your system. Some messages are purely informational, while others may help diagnose problems with communications lines, internal hardware, or the system software.

---

# NX-OS System Messages

## NX-OS System Message Structure

System messages generated by the underlying NX-OS operating system are structured as follows:

*timestamp Nexus: FACILITY-SEVERITY-MNEMONIC: Message-text*

The fields in the message are as follows:

- **timestamp**  
The year, month, date, and time of day when the message was generated.
- **FACILITY**  
The facility code consists of two or more uppercase letters that indicate the facility to which the message refers. A facility can be a hardware device, a protocol, or a module of the system software.
- **SEVERITY**  
The severity level is a single-digit code from 0 to 7 that reflects the severity of the condition. The lower the number, the more serious the situation. [Table 1-1](#) lists the message severity levels.

**Table 1-1 NX-OS Message Severity Levels**

	Severity Level (NX-OS)	ITU Level (ACI)	Description
0	emergency		System is unusable
1	alert	Critical	Immediate action required
2	critical	Major	Critical condition
3	error	Minor	Error condition
4	warning	Warning	Warning condition
5	notification	Cleared	Normal but significant condition
6	informational		Informational message only
7	debugging		Message that appears during debugging only

- **MNEMONIC**  
The MNEMONIC code uniquely identifies the error message.
- **Message-text**  
Message-text is a text string that describes the condition. The text string sometimes contains detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because variable fields change from message to message, they are represented here by short strings enclosed in square brackets ([ ]). A decimal number, for example, is represented as [dec]. [Table 1-2](#) lists the variable fields in messages.

**Table 1-2 Representation of Variable Fields in NX-OS Messages**

Representation	Type of Information
[chars] or [char]	Character string
[dec]	Decimal
[hex]	Hexadecimal integer
[int]	Integer
[num]	Number

## NX-OS System Message Example

The following example shows a typical NX-OS system message:

```
2014 Jan 25 21:42:07 Nexus: ETHPORT-5-IF_DOWN_ADMIN_DOWN:
Interface Ethernet3/1 is down (Administratively down)
```

In this system message:

- Nexus indicates that this message is generated by NX-OS.
- ETHPORT is the facility code.
- 5 is the severity level, indicating a ‘notification,’ a normal but significant condition.
- IF\_DOWN\_ADMIN\_DOWN is the mnemonic code.
- “Interface Ethernet3/1 is down (Administratively down)” is the message text.

# ACI System Messages

## ACI System Message Structure

System messages generated by ACI components other than NX-OS are structured as follows:

```
timestamp host %LOG_LOCALn-severity-SYSTEM_MSG [code][lifecycle state][rule][severity
text][DN of affected MO]
Message-text
```

The fields in the message are as follows:

- timestamp  
The year, month, date, and time of day when the message was generated.
- host  
The hostname or IP address of the host that generated the message, such as ‘apic1’ or ‘spine3.’
- %LOG\_LOCALn  
The local facility code ‘n’ is a single-digit code from 0 to 7 that reflects indicate the local facility of the message. This number can be configured and is used to sort received messages.

- severity

The severity level is a single-digit code from 1 to 5 that reflects the severity of the condition. The lower the number, the more serious the situation. Unlike NX-OS system messages, ACI system messages follow the ITU Perceived Severity values described in RFC5674. [Table 1-3](#) lists the message severity levels.

**Table 1-3 ACI Message Severity Levels**

	Severity Level (NX-OS)	ITU Level (ACI)	Description
0	emergency		System is unusable
1	alert	Critical	Immediate action required
2	critical	Major	Critical condition
3	error	Minor	Error condition
4	warning	Warning	Warning condition
5	notification	Cleared	Normal but significant condition
6	informational	(Info)	Informational message only
7	debugging	(Not used)	Message that appears during debugging only

- code

The unique fault or event code.

- lifecycle state

The current lifecycle state of the fault. Faults are stateful, and a fault transitions through more than one state during its life cycle. Events are stateless, and this field is omitted in event system messages.

- rule

The action or condition that caused the event, such as a component failure or a threshold crossing.

- severity text

The text translation of the numeric severity value. For example “major.”

- DN of affected MO

The distinguished name (DN) of the managed object (MO) affected by the fault condition or event.

- Message-text

Message-text is a text string that briefly describes the condition. The text string sometimes contains detailed information about the fault or event, including interface port numbers or network addresses.

## ACI System Message Examples

### Example: Fault system message

The following example shows an ACI system message generated by a fabric node failure:

```
July 22 22:45:28 apic1 %LOG_LOCAL0-2-SYSTEM_MSG
[F0110][soaking][node-failed][critical][topology/pod-1/node-102/fault-F0110]
Node 102 not reachable. unknown
```

In this system message:

- **apic1** indicates that this message is generated by the controller.
- **2** is the severity level, indicating a critical condition.
- **F0110** is the fault code, which we can look up as ‘fltFabricNodeFailed.’
- **soaking** is the current lifecycle state of the fault.
- **node-failed** is the cause of the fault.
- **topology/pod-1/node-102** is the DN of the affected object, which is node 102 in pod 1.
- **fault-F0110** is the DN of the fault object, which is a child of the affected object.




---

**Tip** Using the Visore object browser, you can inspect the properties of the fault object for more details about the fault condition.

---

- “**Node 102 not reachable. unknown**” is the message text.

## Example: Event system message

The following example shows an ACI system message generated by a fabric node failure:

```
July 22 22:45:27 apic1 %LOG_LOCAL0-6-SYSTEM_MSG
[E4208219][link-state-change][info][subj-[topology/pod-1/lncnt-1/lnk-101-1-1-to-1-1-3
]/rec-4294968577]Link State of Fabric Link is set to ok
```

In this system message:

- **apic1** indicates that this message is generated by the controller.
- **6** is the severity level, indicating an informational message.
- **E4208219** is the fault code, which we can look up as ‘fltFabricNodeFailed’
- **link-state-change** is the cause of the event.
- **topology/pod-1/lncnt-1/lnk-101-1-1-to-1-1-3** is the DN of the affected object, which is a link.
- **rec-4294968577** is the event record object, which is a child of the affected object.




---

**Tip** Using the Visore object browser, you can inspect the properties of the event record object for more details about the fault condition.

---

- “**Link State of Fabric Link is set to ok**” is the message text.





## CHAPTER 2

# NX-OS System Messages

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This chapter lists the system messages generated by the underlying NX-OS operating system of the ACI switches.

## ACLLOG Messages

**Error Message** ACLLOG-5-ACLLOG\_PKTLOG Format: %s

**Explanation** New Aclog Packet Log: [chars]

**Recommended Action** No action is required.

## ARP Messages

**Error Message** ARP-2-SET\_SCHED Format: Failed to set policy or priority

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-INIT\_FAIL Format: Initialization failure

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-SYSMGR\_QUERY Format: Failed to query sysmgr for %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-SYSMGR\_UUID Format: Failed to get uuid from sysmgr during %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-SYSMGR\_NOTIFY Format: Bad notification from sysmgr for %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-SHM\_ATTACH Format: Failed to attach %s shared memory

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-API\_INIT Format: Failed to initialize %s API

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-API\_INITIALIZE Format: Failed to initialize %s API with rc=0x%x, %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-SVR\_REG Format: Failed to register as a client of %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-AM\_REG Format: Failed to register as a client of AM %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-TIMERS\_INIT Format: Failed to initialize timers

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-TIMER\_SET Format: Failed to initialize new timer set

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-3-TIMER\_RSTART Format: Failed to restart timer 0x%p for %s on %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-2-CLI\_INIT Format: Failed to initialize CLI

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-THR\_CREAT Format: Failed to create thread %s: error %d

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-THREAD\_FAIL Format: Failed to start %s thread

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-3-API\_MTS\_INVALID Format: ARP API Error: Invalid ARP MTS queue in %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-API\_MTS\_SEND Format: ARP API Error: Failed to send %s to %s queue: %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-5-MQ\_UNEXP Format: Received unexpected message (%d/%d) on %s queue

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-5-MQ\_MINOR Format: Received unknown minor message type (%d) from %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-5-MSG\_UNK Format: Received unknown % type: %lu

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-5-MTS\_OPC\_UNK Format: Received unknown MTS opcode %lu

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-2-MTS\_OPC\_SET Format: Failed to register with opcode %d: %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-MTS\_BIND Format: Failed to do mts\_bind for %s: %s

**Explanation** An unrecoverable software error has occurred during arp initialization.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-MTS\_RECV Format: MTS queue receive failed on %s queue: %s

**Explanation** An unexpected fatal error has occurred.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-2-MTS\_RECV\_FAIL Format: %s as MTS queue receive failed: %s

**Explanation** An unexpected fatal error has occurred.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ARP-3-MAC\_ERR Format: Failed to get MAC address on %s for %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-ADJ\_ADD Format: Failed to add adjacency for received packet from %s on %s

**Explanation** Due to this failure, packet forwarding to this address will be affected until the next successful retrieval.

**Recommended Action** No user action is required.

**Error Message** ARP-3-ADJ\_UPD Format: Failed to update adjacency for received packet from %s on %s

**Explanation** Due to this failure, packet forwarding will continue to use the existing ARP adjacency entry values.

**Recommended Action** No user action is required.

**Error Message** ARP-2-DUP\_SRCIP Format: Source address of packet received from %s on %s is duplicate of local, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-2-DUP\_SRC\_IP Format: Source address of packet received from %s on %s(%s) is duplicate of local, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_VADDR\_SRCIP Format: Source address of packet received from %s on %s is duplicate of local virtual ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_VADDR\_SRC\_IP Format: Source address of packet received from %s on %s(%s) is duplicate of local virtual ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_VIRT\_SRCIP Format: Source address of packet received from %s on %s is duplicate of local virtual ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_VIRT\_SRC\_IP Format: Source address of packet received from %s on %s(%s) is duplicate of local virtual ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_SRCIP\_PROBE Format: Duplicate address Detected. Probe packet received from %s on %s with destination set to our local ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_SRC\_IP\_PROBE Format: Duplicate address Detected. Probe packet received from %s on %s(%s) with destination set to our local ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_VADDR\_SRCIP\_PROBE Format: Duplicate address Detected. Probe packet received from %s on %s with destination set to our local Virtual ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-DUP\_VADDR\_SRC\_IP\_PROBE Format: Duplicate address Detected. Probe packet received from %s on %s(%s) with destination set to our local Virtual ip, %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-4-DIR\_BCAST Format: %s address of packet received from %s on %s matches directed broadcast address, %s

**Explanation** There may be a configured subnet mask-length mismatch among router interfaces connected on this LAN.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-4-INVALID\_IP Format: Received packet with invalid %s IP address (%s) from %s on %s

**Explanation** There may be a connected router sending packets with a bogus IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-4-INVALID\_MAC Format: Received packet with invalid %s MAC address (%s) from %s on %s

**Explanation** There may be a connected router sending packets with a bogus MAC address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-4-OWN\_SRCMAC Format: Received packet with a local source MAC address (%s) from %s on %s

**Explanation** There may be a connected router sending packets with local MAC address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-MBUF\_ERR Format: Failed to get the remainder of packet, expected %d, got %d bytes

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-HDR\_L2LEN\_ERR Format: Received packet with incorrect layer 2 address length (%d bytes)

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-HDR\_L3LEN\_ERR Format: Received packet with incorrect layer 3 address length (%d bytes)

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-HDR\_ERR Format: Failed to get ARP header, expected %d, got %d bytes

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-INVAL\_HDR\_HRD\_TYPE Format: Found incorrect hardware type in ARP header: %hu

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-INVAL\_HDR\_PROT\_TYPE Format: Found incorrect protocol type in ARP header: 0x%x

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-INVAL\_STATE Format: Unrecognized ARP entry state in timer callback: %lu

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-4-DUP\_IP Format: ARP entry found with duplicate IP address %s on %s

**Explanation** There may be another router on this network that is configured with the same IP address.

**Recommended Action** Check all routers on the interface for misconfiguration.

**Error Message** ARP-3-NO\_MEM Format: Malloc failed for %s %s

**Explanation** The system may be low on 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.

**Error Message** ARP-3-NO\_MBUF Format: Failed to allocate buffer for %s

**Explanation** The system may have run out of packet memory 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.

**Error Message** ARP-3-PKT\_OUT Format: Failed to send packet to PM

**Explanation** PM's message queue may be temporarily full.

**Recommended Action** No user action is required.

**Error Message** ARP-3-MTS\_DROP Format: MTS drop failed on %s queue: %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-REQ\_IOD Format: Sending ARP request for %s on an invalid interface %u, request from pid: %d

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-REQ\_NON\_AM Format: Sending ARP request for %s on invalid interface %s request from pid: %d

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-REQ\_IP Format: Sending ARP request for %s IP address %s on %s, request from pid: %d

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-REQ\_ADD Format: Failed to add adjacency while sending request for %s on %s, request from pid: %d

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-GRAT\_IOD Format: Sending gratuitous ARP for %s on an invalid interface %u

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-GRAT\_NON\_AM Format: Sending gratuitous arp for %s on invalid interface %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-GRAT\_IP Format: Sending gratuitous ARP request for %s IP address %s on %s

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-IF\_INDEX Format: Invalid interface index received from %d

**Explanation** An unexpected but recoverable error has occurred.

**Recommended Action** No user action is required.

**Error Message** ARP-3-IM\_EXT Format: Couldn't set IM-extension for interface %s

**Explanation** ARP process failed to set IM extension.

**Recommended Action** No user action is required.

## ARP Messages

## BCM56321 Messages

## Messages

**Error Message** BCM\_USD-5-BUFFER\_THRESHOLD\_EXCEEDED Format: Port %2d buffer threshold %d cells[%2.1f%% - ~%1.1fMB] exceeded %d[%d%%]

**Explanation** Buffer usage exceeded threshold

**Recommended Action** No action is required.

## BGP Messages

**Error Message** BGP-6-START Format: BGP process %s startup, reason: %s

**Explanation** The indicated BGP process has started.

**Recommended Action** No user action is required.

**Error Message** BGP-5-ADJCHANGE Format: neighbor %s %s %s

**Explanation** A BGP session has just been established. Or a session has just been shutdown.

**Recommended Action** No user action is required.

**Error Message** BGP-4-SLAB\_HOLD Format: Not able to hold element from %s slab

**Recommended Action** No user action is required.

**Error Message** BGP-6-EXIT\_DECONFIG Format: BGP process exiting due to deconfiguration

**Explanation** The indicated BGP process has been deconfigured.

**Recommended Action** No user action is required.

**Error Message** BGP-6-EXIT\_RESTART Format: BGP process exiting due to manual restart

**Explanation** The indicated BGP process is being restarted.

**Recommended Action** No user action is required.

**Error Message** BGP-6-EXIT\_UNKNOWN Format: BGP process exiting due to unknown reason

**Recommended Action** No user action is required.

**Error Message** BGP-5-SHUTDOWN Format: BGP protocol administratively shutdown

**Explanation** BGP protocol was administratively shutdown.

**Recommended Action** No user action is required.

**Error Message** BGP-5-NO\_RD Format: VRF %s : RD deconfigured

**Explanation** RD deconfigured from VRF.

**Recommended Action** No user action is required.

**Error Message** BGP-6-MEMSTAT Format: Hit low memory condition - Free: %u MB, Min free: %u MB

**Recommended Action** No user action is required.

**Error Message** BGP-6-PATH\_MAXASLIMIT Format: [%s] Path for %s from peer %s found to %s the maxas-limit

**Recommended Action** No user action is required.

**Error Message** BGP-4-AFIMPORT Format: %s prefixes imported from default vrf to %s vrf reached the limit %d

**Recommended Action** No user action is required.

**Error Message** BGP-6-BADASPATH Format: Long AS path %s received from peer %s: more than configured maxas-limit %d

**Explanation** The peer sent an AS path exceeding the maxas-limit.

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-6-MAXPEER\_LIMIT Format: Reached maximum-peer limit on the prefix peer %s, ignoring connection request from %s

**Explanation** Session can be brought up due to maximum-peer limit

**Recommended Action** No user action is required.

**Error Message** BGP-6-AS4PATH\_CONFED Format: Received AS4\_PATH with CONFED related path segments in it from peer %s

**Explanation** The peer has sent AS4\_PATH with confed based path segments which would be discarded.

**Recommended Action** No user action is required.

**Error Message** BGP-6-AS4PATH\_SEGLEN Format: Received AS4\_PATH with zero path segment length in it from peer %s

**Explanation** The peer has sent AS4\_PATH with zero path segment length which would be discarded.

**Recommended Action** No user action is required.

**Error Message** BGP-6-AS4PATH\_SEGTYPE Format: Received AS4\_PATH with invalid path segment type in it from peer %s

**Explanation** The peer has sent AS4\_PATH with invalid path segment type which would be discarded.

**Recommended Action** No user action is required.

**Error Message** BGP-6-AS4AGG\_INVALID Format: Received AS4\_AGGREGATOR with invalid length %d in it from peer %s

**Explanation** The peer has sent AS4\_AGGREGATOR with invalid attr length which would be discarded.

**Recommended Action** No user action is required.

**Error Message** BGP-5-MEMALERT Format: BGP memory status changed from %s to %s

**Recommended Action** No user action is required.

**Error Message** BGP-4-INVALIDIOD Format: Received interface(%s) %s notification from IM with zero iod

**Explanation** BGP received an IF notification from IM with zero or invalid iod

**Recommended Action** No user action is required.

**Error Message** BGP-3-RT\_DB\_ADD Format: Couldn't add route target %s into the database

**Explanation** The router could not add route-target in its internal 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.

**Error Message** BGP-3-NEXTHOPADD Format: [%s] Couldn't add next-hop to RNHDB for %s/%d, error %d

**Explanation** The router was unable to store a BGP next hop in an internal database, perhaps because it ran out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-NEXTHOPDEL Format: [%s] Couldn't delete next-hop from RNHDB for %s/%d, error %d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-BRIBADD Format: [%s] Couldn't add dest to BRIB for %s

**Explanation** BGP was unable to add a prefix to the BGP RIB. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-BRIB\_ADD\_INT Format: Internal error in adding to BRIB: %s

**Explanation** An internal error was encountered in adding a path to the BRIB. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-BRIBDEL Format: [%s] Error %u deleting %s from BRIB

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-FINDAGGR Format: [%s] Did not find aggregate path for entry %s/%d

**Explanation** BGP was unable to find an internal datastructure for originating a configured aggregate.

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

**Error Message** BGP-3-AGGADD Format: [%s] Couldn't add aggregate for %s/%d

**Explanation** BGP was unable to store an aggregate in an internal datastructure. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-AGGDEL Format: [%s] Couldn't delete aggregate for %s/%d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-MAXPEERS Format: Trying to configure more than %d neighbors

**Explanation** BGP has hit the limit of the number of peers that can. be configured.

**Explanation** ACTION\_KEEP\_RUNNING

**Error Message** BGP-3-UNEXPPATHATTR Format: [%s] Unexpected attr (%p) path chain for %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-PFXEXCEED Format: [%s] No. of prefix received from %s exceeded configured limit %d

**Explanation** A peer sent us more routes than BGP was configured to accept.

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-4-PFXWARN Format: [%s] Number of prefixes received from %s reached %d, maximum %d

**Explanation** The number of routes sent to us by a peer exceeded the threshold at which BGP should generate a warning.

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-LIST Format: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-ATTRID\_OP Format: Failed to %s attribute ID

**Explanation** BGP was unable to allocate or free an index for a BGP PATH attribute block

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

**Error Message** BGP-3-ATTRAVL\_OP Format: Failed attribute external database operation: %s, id %lu

**Explanation** BGP was unable to perform an attribute external database 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.

**Error Message** BGP-3-VRF\_CTX Format: VRF %s, failed %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-VRFAVL\_OP Format: Failed vrf database operation: %s, vrf %s id %lu

**Explanation** BGP was unable to perform a vrf database 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.

**Error Message** BGP-3-TBLAVL\_OP Format: Failed table database operation: %s, table %s id %#lx

**Explanation** BGP was unable to perform a table database 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.

**Error Message** BGP-3-PEER Format: Peer %s, failed %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-TBLCTX\_INIT Format: VRF %s, %s, table %s: Table initialization failed

**Explanation** BGP was unable to initialize an internal datastructure. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-BRIB\_RDADD Format: [%s] Couldn't add rdinfo %s to BRIB

**Explanation** BGP was unable to add a prefix to the BGP RIB. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-BRIB\_RDDEL Format: [%s] Couldn't delete rdinfo %s from BRIB

**Explanation** BGP was unable to remove from BGP RIB. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-TBLATTRAVL\_OP Format: Failed table attribute database operation: %s, id %lu

**Explanation** BGP was unable to perform a table attribute database 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.

**Error Message** BGP-3-RDINFO Format: VRF %s, %s, table %s: rdinfo %s failed

**Explanation** BGP was unable to initialize an internal datastructure. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-BRIB\_RDCLASH Format: VRF %s, %s: RD clash found during %s

**Explanation** BGP was unable to allocate RD for the BGP RIB. The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-URIB\_RT\_MODIFY Format: URIB route modify operation failed during %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-RPMHANDLE Format: RPM notification handle does not match existing handle for policy %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-RPMBIND Format: RPM policy bind failed for %s %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-PLCYOUT Format: Cannot add reference to policy out info for route-map %s

**Explanation** BGP was not able to create an entry for an outbound policy.

**Explanation** ACTION\_SW\_RESTART\_COMP

**Error Message** BGP-3-PLCYRNHATTACH Format: Couldn't attach to policy RNH info for policy %s, error: %s

**Explanation** An internal error occurred in using a policy. The system may be low on memory.\_MAYBE

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-PLCYRNHDETACH Format: Couldn't detach from policy RNH info for policy %s, error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-PLCYRNHSETUP Format: Couldn't setup rnh notifications for policy %s, error: %s

**Explanation** An internal error occurred in using a policy. The system may be low on memory.\_MAYBE

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-NETWKRNHSETUP Format: Couldn't setup rnh notifications for network %s, error: %s

**Explanation** Could not setup RNH for network prefix

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-CLISSET Format: Unable to set %s inheritance for %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-DAMPCFG Format: Both policy and global dampconf exist

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-ACLTESTADD Format: Failed to add %s peer policy test

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-RPM\_L3VPN\_EXTCOMM Format: L3vpn extcommunity failure during %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-MQUNEXPECTED Format: Recieved unexpected message (%d/%d) on %s queue

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-2-MTSBIND Format: Unable to bind to MTS SAP for %s, sap %d: %s

**Explanation** BGP was not able to create a message queue for communication.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-4-MTSUNKOPC Format: Recieved unknown MTS message on %s queue, opc %d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-MTSNOMSG Format: No MTS payload found on %s queue, opc %d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-MTSRECV Format: MTS receive failed on %s queue: %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** BGP-3-MTSDROP Format: MTS drop failed on %s queue: %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-MTSEND Format: MTS send() error to SAP %d, opcode %d: %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-TXLIST Format: %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-API\_UNEXP\_RESP Format: Received unexpected message from SAP %d, opcode %d, address %s, ignore it

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** BGP-2-APIMTSBIND Format: Unable to bind to MTS SAP for %s, sap %d: %s

**Explanation** BGP client was not able to create a message queue for communication.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-APIMTSRECV Format: MTS receive failed on %s queue: %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** BGP-3-APIMTSDROP Format: MTS drop failed on %s queue: %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-APIMTSEND Format: MTS send() error to SAP %d, opcode %d: %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-APIMTSNOMSG Format: No MTS payload found on %s queue, opc %d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-APIASSERT Format: %s:%d: Assertion '%s' failed.

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-2-APIINIT Format: Unable to initialize %s API

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-ATTACH Format: Unable to attach to %s

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-URIBREG Format: Unable to register with URIB for [afi/safi:%d/%d]

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-ULIBREG Format: Unable to register with ULIB

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-URIBRNH Format: URIB RNH error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-U6RIBRNH Format: U6RIB RNH error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-ULIBRNH Format: ULIB RNH error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-RNHCB Format: RNH %s error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-URIBRT Format: URIB RT error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-2-SRVREG Format: Unable to register with %s

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-AFINIT Format: Error initializing address family, (%d)

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-AFINITFUNCS Format: Error initializing address family function vectors, (%d)

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-IPV6REG Format: Unable to register with IPv6

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-U6RIBREG Format: Unable to register with U6RIB for [afi/safi:%d/%d]

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-TSP\_INIT Format: Unable to initialize with TSP

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-SUPSTATE Format: Error in learning SUP state

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-RESTARTTYPE Format: Error in learning restart type

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-2-SYSMGR\_QUERY Format: Failed to query sysmgr for %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-SYSMGR\_CONDVERIF Format: Sysmgr conditional verify failed

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-LISTEN\_SOCKET Format: Failed to listen on %s BGP TCP port

**Explanation** An error occurred during a socket operation.OR

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

**Error Message** BGP-3-SOCK\_ERR Format: Socket (%d/%d): %s

**Explanation** An error occurred during a socket operation.OR

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

**Error Message** BGP-3-SOCKOPEN Format: TCP connection for peer %s already open, fd %d, state %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-SOCKCREATE Format: Cannot create socket for peer %s: %s, stats: %lu/%lu/%lu/%lu/%lu

**Explanation** An error occurred during a socket 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.

**Error Message** BGP-3-SOCKBIND Format: Cannot bind local socket for peer %s: %s

**Explanation** An error occurred during a socket 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.

**Error Message** BGP-3-SOCK\_ACCEPT Format: Socket (%d/%d) accept: %s

**Explanation** An error occurred during a socket operation.OR

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

**Error Message** BGP-3-SOCKNONBLOCK Format: Couldn't make fd %d non-blocking: %s

**Explanation** An error occurred during a socket 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.

**Error Message** BGP-3-SENDBUF Format: Error manipulating sendbuf: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-NEGWRITE Format: Negative nr of %d bytes left to write to peer %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-MD5PASS Format: Cannot set MD5 password %s for peer %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-EBGPTTL Format: Unable to set EBGPTTL for peer %s, fd %d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-IPTOS Format: Unable to set IP TOS bits for %s, fd %d

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-SOCK\_FDPOP Format: Unexpected error during socket fd population %s (%d)

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-SOCK\_RECV Format: Unexpected error during socket data recv %s (%d)

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-LOWMEM Format: Low on heap memory

**Explanation** The system may be low on 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.

**Error Message** BGP-2-PEERSHALTED Format: BGP %s shutdown due to no memory condition (%s)

**Explanation** The system may be low on 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.

**Error Message** BGP-3-ALLOCFAIL Format: %s malloc (%ld) failed for: %s

**Explanation** The system may be low on 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.

**Error Message** BGP-3-PFX\_NOMEM Format: Could not allocate %s for %s/%d

**Explanation** The system may be low on 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.

**Error Message** BGP-3-NOMEMORY Format: Could not allocate %s

**Explanation** The system may be low on 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.

**Error Message** BGP-3-NOBUF Format: [%s] Unable to get buffer for %s msg to peer %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-1-FATAL Format: Fatal error: %s: %s

**Explanation** An unexpected fatal error has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-1-UNKNOWNFATAL Format: Unknown fatal error %d: %s

**Explanation** An unexpected fatal error has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-2-PTHREAD Format: procket\_pthread\_create failed for %s: error %d

**Explanation** An unexpected fatal error has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-5-BADSIG Format: Should not have received signal %d

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** BGP-3-ILLARGS Format: %s called with illegal arguments

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-4-NODAMPMEM Format: [%s] Unable to dampen prefix %s from peer %s due to no memory

**Explanation** The system may be low on memory.ORY

**Recommended Action** No user action is required.

**Error Message** BGP-3-INTERNAL Format: Internal error %d: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-NBRERR Format: %s Peer error: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-ASSERT Format: %s:%d: Assertion '%s' failed.

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-UNEXPECT Format: %s L%d: %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-PATH\_DEL Format: Failed to destroy path (%s), error %d

**Explanation** The BGP process may have run out of memory.

**Recommended Action** If BGP ran out of memory, add memory to the router or change the network configuration to decrease memory requirements. Clear any BGP peers that may have been shut down automatically. If BGP has memory available, there was an internal error, restart BGP.

**Error Message** BGP-3-TIMER\_START Format: Couldn't start %s timer %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-THREAD\_SHUTDOWN Format: Problem shutting down thread %s:  
Operation - %s, Error - %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-2-MQLOOP\_INIT Format: Message queue loop %s, %s, Error - %s

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-MQLOOP\_SHUTDOWN Format: Couldn't shut down %s message queue loop

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-APPLY\_BESTPATH\_CFG Format: Failed to apply bestpath configuration: %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-RESTARTINIT Format: Unable to determine restart status and initialize

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-PATH\_STALE Format: [%s] %s path being %s, for %s from peer %s, should not be stale

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

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

**Error Message** BGP-3-SRAND Format: Failed to set random seed

**Explanation** An unrecoverable error has occurred during BGP initialization.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** BGP-3-EVENT\_WAIT Format: Error while waiting for %s event, error - %s

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-4-RLIMIT Format: Error while setting rlimit, error - %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** BGP-4-NORID Format: Peer %s sent us 0.0.0.0 as its router-id

**Explanation** A BGP peer sent us an invalid router id.

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-4-SAMERID Format: Peer %s uses same routerid as us

**Explanation** A BGP peer is using the same router id as this router.

**Recommended Action** Configure either the local or remote router with a different router ID.

**Error Message** BGP-3-INVHDR Format: Peer %s sent unexpected header pattern

**Explanation** The marker pattern in message header was invalid

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADPEERAS Format: VRF %s, Peer %s - bad remote-as, expecting %s received %s.

**Explanation** The peer sent an incorrect AS Number

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADOPENCAP Format: VRF %s, Peer %s - bad capability code received %u.

**Explanation** The peer sent a bad/unknown capability

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADOPENPARAM Format: VRF %s, Peer %s - unknown optional parameter received %u.

**Explanation** The peer sent an unknown optional parameter

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADLOCALAS Format: VRF %s, Peer %s - bad AS sent in Open message %u.

**Explanation** The peer received an incorrect AS Number

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADPEERHOLDTIME Format: VRF %s, Peer %s - bad hold time %s %d.

**Explanation** The peer sent and/or received an incompatible hold time

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADPEERRID Format: VRF %s, Peer %s - bad router-id %s %s.

**Explanation** The peer sent and/or received a bad router-id

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-BADPEERDYNAS Format: VRF %s, Peer %s - bad remote-as, failed route-map %s received %s.

**Explanation** The peer sent an AS Number that did not match route-map

**Recommended Action** Check that the peering router is configured correctly. Clear the peer if necessary after any change.

**Error Message** BGP-3-IMPORT\_VRF\_EXCEED Format: Maximum limit on number of import VRFs exceeded

**Explanation** An unexpected but handleable event has 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.

**Error Message** BGP-3-BADNEXTHOP Format: [%s] Peer %s advertised non-mapped nexthop %s in MP reach attr [afi/safi:%d/%d], dropping NLRI

**Explanation** The router received a next-hop that was inconsistent with the address-family in the update 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.

**Error Message** BGP-5-MAXMSGLIMIT Format: [%s] Failed to send update message with prefix %s for peer %s because the msg size(%u) exceeded the maximum limit(%u)

**Explanation** BGP Update message reached the maximum limit

**Recommended Action** No user action is required.

**Error Message** BGP-3-ASPDEPEND Format: Expected AS sequence or entry sequence, got %d/%d

**Explanation** An error was encountered in prepending to an AS path.

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

**Error Message** BGP-3-COMLEN Format: Community sets exceeded maximum allowed limit

**Explanation** An internal limit was hit in adding a community.

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

**Error Message** BGP-4-EXTCOMLEN Format: Extended communities exceeded the max limit of %u

**Explanation** An internal limit was hit in adding an extended community.

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

**Error Message** BGP-3-COMADD Format: Error occurred in community addition, no action taken

**Explanation** An internal error was encountered in adding a community.

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

**Error Message** BGP-3-EXTCOMADD Format: Error occurred in extended community addition, no action taken

**Explanation** An internal error was encountered in adding an extended community.

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

**Error Message** BGP-3-ASLEN Format: AS-PATH prepend length exceeds internal limit

**Explanation** An internal limit was hit in prepending and AS path.

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

**Error Message** BGP-3-SOFTINCAP Format: Peer %s not capable of soft refresh in, operator intervention needed: %s

**Explanation** The router is unable to do soft refresh for the indicated peer.

**Recommended Action** If necessary, reset the connection with the peer.

**Error Message** BGP-3-SNMP\_API\_DATA Format: Message data is NULL

**Explanation** SNMP message does not have memory to store data.

**Recommended Action** No user action is required.

**Error Message** BGP-3-CONDSRV\_CLEANUP Format: Conditional Service cleanup request failed, %s

**Explanation** Sysmgr rejected BGP's request to shut down.

**Recommended Action** No user action is required.

**Error Message** BGP-4-SNMP\_REGFAIL Format: Failed to register MIB with the SNMP agent, the BGP MIB will be unavailable. (%s)

**Explanation** MIB registration failed during startup.

**Recommended Action** No user action is required.

**Error Message** BGP-4-SNMP\_DEREGFAIL Format: Failed to deregister MIB with the SNMP agent (%s).

**Explanation** MIB deregistration failed during shutdown.

**Recommended Action** No user action is required.

**Error Message** BGP-3-FEATURE\_STATUS Format: FM status for feature %s failed with error: %s(0x%08x).

**Explanation** FM get feature status failed

**Recommended Action** No user action is required.

**Error Message** BGP-3-URIB\_API Format: URIB API %s() failed

**Explanation** URIB API had failed

**Recommended Action** No user action is required.

**Error Message** BGP-3-CONFHECK Format: confcheck API %s() failed with error: %s(0x%08x).

**Explanation** confcheck API has failed

**Recommended Action** No user action is required.

**Error Message** BGP-7-OBJSTORE Format: Objstore API %s() failed with error: %d

**Explanation** Objstore API has failed

**Recommended Action** No user action is required.

## BGP Messages

## BIOS\_DAEMON Messages

**Error Message** BIOS\_DAEMON-LC-2-BIOS\_DAEMON\_LC\_ERROR Format: BIOS Sector (%d) is write protected

**Explanation** BIOS WRITE PROTECTED

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** BIOS\_DAEMON-2-BIOS\_DAEMON\_SUP\_ERROR Format: BIOS Sector (%d) is write protected

**Explanation** BIOS WRITE PROTECTED

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** BIOS\_DAEMON-2-BIOS\_DAEMON\_FLASH\_WARNING Format: Flash chip not supported by running image. Skipping bios upgrade.

**Explanation** BIOS CHIP NOT SUPPORTED

**Recommended Action** No action is required.

**Error Message** BIOS\_DAEMON-LC-2-BIOS\_DAEMON\_LC\_PRI\_BOOT\_FAIL Format: System booted from Alternate BIOS Flash

**Explanation** Boot from Alternate

**Recommended Action** No action is required.

**Error Message** BIOS\_DAEMON-LC-5-BIOS\_DAEMON\_LC\_PRI\_BOOT Format: System booted from Primary BIOS Flash

**Explanation** Boot from Primary

**Recommended Action** No action is required.

**Error Message** BIOS\_DAEMON-2-BIOS\_DAEMON\_PRI\_BOOT\_FAIL Format: System booted from Alternate BIOS Flash

**Explanation** Boot from Alternate

**Recommended Action** No action is required.

**Error Message** BIOS\_DAEMON-5-BIOS\_DAEMON\_PRI\_BOOT Format: System booted from Primary BIOS Flash

**Explanation** Boot from Primary

**Recommended Action** No action is required.

## CDPD Messages

**Error Message** CDPD-2-INITFAIL Format: CDP Daemon Initialization failed: %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-3-ALLOCFAIL Format: Heap Memory allocation failed: %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-3-MTSError Format: %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-3-PSSERROR Format: %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-3-GENERROR Format: %s

**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.

**Error Message** CDPD-3-PKTRECVFAIL Format: Failed to receive packet - %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-3-PKTSENDFAIL Format: Failed to send packet, interface 0x%x - %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-6-CDPDUP Format: 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.

**Error Message** CDPD-6-PORTUP Format: A CDP enabled port %s 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.

**Error Message** CDPD-6-PORTDOWN Format: A CDP enabled port %s went down.

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

**Recommended Action** No action is required.

**Error Message** CDPD-6-PORTENABLE Format: CDP enabled on port %s

**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.

**Error Message** CDPD-6-PORTDISABLE Format: CDP disabled on port %s

**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.

**Error Message** CDPD-6-CDPEXIT Format: CDP Daemon shutting down gracefully.

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

**Recommended Action** No action is required.

**Error Message** CDPD-5-ENABLED Format: CDP is enabled

**Explanation** CDP is enabled on the device.

**Recommended Action** No action is required.

**Error Message** CDPD-5-DISABLED Format: CDP is disabled

**Explanation** CDP is disabled on the device.

**Recommended Action** No action is required.

**Error Message** CDPD-5-NEIGHBOR\_ADDED Format: Device %s discovered of type %s with port %s on incoming port %s with ip addr %s and mgmt ip %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-5-NEIGHBOR\_REMOVED Format: CDP Neighbor %s on port %s has been removed

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

**Recommended Action** No action is required.

**Error Message** CDPD-4-DUPLEX\_MISMATCH Format: Duplex mismatch discovered on %s, with %s

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

**Recommended Action** No action is required.

**Error Message** CDPD-4-NATIVE\_VLAN\_MISMATCH Format: Native VLAN mismatch discovered on %s(%d), with %s(%d)

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

**Recommended Action** No action is required.

**Error Message** CDPD-3-CDPD\_INTERNAL\_ERROR Format: CDP internal error: %s

**Explanation** Internal error is encountered

**Recommended Action** No action is required.

**Error Message** CDPD-3-ISTACKREGISTER Format: Failed to register istack - %s

**Explanation** Failed to register istack. [char] identifies the reason.

**Recommended Action** No action is required.

## SYSLOG\_COOP Messages

**Error Message** COOP-2-COOP\_INIT\_FAILURE Format: %s(%d): %s

**Explanation** COOP initialization failure

**Recommended Action** No action is required.

**Error Message** COOP-2-COOP\_FU\_INIT\_FAILURE Format: %s %s

**Explanation** COOP fu initialization failure

**Recommended Action** No action is required.

**Error Message** COOP-6-COOP\_INIT\_INFO Format: %s(%d): %s

**Explanation** COOP initialization information

**Recommended Action** No action is required.

**Error Message** COOP-6-COOP\_MTS\_INIT\_INFO Format: %d: %s

**Explanation** COOP MTS initialization information

**Recommended Action** No action is required.

**Error Message** COOP-2-COOP\_MTS\_INIT\_FAILURE Format: %d: %s

**Explanation** COOP MTS initialization failure

**Recommended Action** No action is required.

## CRDCFG Messages

**Error Message** CRDCFG-3-CRDCFG\_ERR Format: %s

**Explanation** CardConfig error message

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCFG-3-CRDCFG\_SRV\_ERR Format: %s

**Explanation** CardConfigServer error message

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCFG-LC-2-CONFIG\_ERR Format: %s

**Explanation** CardConfig Failed to find matching cardid, pnum in database

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## CARD\_CLIENT Messages

**Error Message** CRDCLIENT-3-CARDCL\_ERR Format: %s

**Explanation** CardClient Error

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCLIENT-2-CARDCL\_CRIT Format: %s

**Explanation** CardClient Critical Message

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCLIENT-2-SSE Format: %s

**Explanation** CardClient Console Message

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCLIENT-2-REG Format: %s

**Explanation** CardClient Console Message

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCLIENT-LC-2-IMG\_ERR Format: %s

**Explanation** CardClient Remote Syslog msg

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**Error Message** CRDCLIENT-LC-2-ERR Format: %s

**Explanation** CardClient Remote Syslog msg

**Recommended Action** Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## DEVICE\_TEST Messages

**Error Message** DEVICE\_TEST-2-MALLOC\_FAILURE Format: "Memory allocation failed"

**Explanation** Device Test process could not allocate memory

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-4-THREAD\_CREATE\_FAIL Format: "Thread creation failed"

**Explanation** Device Test process could not create threads

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_INIT\_FAIL Format: "Init for standby test failed due to error %x")msgdef\_explanation("Device Test StandbyFabricLoopback Test failed init process"

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_MTS\_FAIL Format: "Mts Init for standby test failed due to error %x")msgdef\_explanation("Device Test StandbyFabricLoopback Test failed mts init"

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_GET\_SPINE\_FAIL Format: "Standby test get spines failed due to error %x")msgdef\_explanation("Device Test StandbyFabricLoopback Test get spine failed")

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_GET\_DIAG\_VQI\_FAIL Format: "Standby test get diag vqi failed due to error %x")msgdef\_explanation("Device Test StandbyLoopback Test failed get vqi")

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_SOCKET\_FAIL Format: "Standby test socket error %s: %x")msgdef\_explanation("Device Test StandbyFabricLoopback Test Socket error")

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-5-LC\_TEST\_PASS Format: Module-id(%d): %s has completed successfully

**Explanation** Test on this particular LineCard completed successfully

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-5-LC\_TEST\_FAIL Format: Module-id(%d): %s has failed

**Explanation** Test on this particular LineCard failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-5-TEST\_FAILURE\_EXCESS Format: "Module-id(%d): %s has failed more %d times"

**Explanation** A test has failed more than configured allowed limit

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-5-RT\_PSS\_OP\_FAILURE Format: "DiagClient PSS operation failed"

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-ASIC\_REG\_CHECK\_FAIL Format: Module %d has failed test %s %d times on device %s %s %d %s due to error %s

**Explanation** Online diagnostics ASICRegisterCheck test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-USB\_FAIL Format: Module %d has failed test %s %d times on device USB due to error %s

**Explanation** Online diagnostics USB test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-NVRAM\_FAIL Format: Module %d has failed test %s %d times on device NVRAM due to error %s

**Explanation** Online diagnostics NVRAM test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-RTC\_FAIL Format: Module %d has failed test %s %d times on device RealTimeClock due to error %s

**Explanation** Online diagnostics RealTimeClock test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-PRIMARY\_BOOTROM\_FAIL Format: Module %d has failed test %s %d times on device Primary BootROM due to error %s

**Explanation** Online diagnostics PrimaryBootROM test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-SPINE\_CONTROL\_BUS\_FAIL Format: Module %d has failed test %s %d times on device Spine Control Bus on slot %d due to error %s error number 0x%08X

**Explanation** Online diagnostics SpineControlBus test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-POWER\_SUPPLY\_FAIL Format: Module %d has failed test %s %d times on System Mgmt Bus for chassis %s instance %d due to error %s error number 0x%08X

**Explanation** Online diagnostics SystemMgmtBus test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-FAN\_MOD\_FAIL Format: Module %d has failed test %s %d times on System Mgmt Bus for chassis %s instance %d due to error %s error number 0x%08X

**Explanation** Online diagnostics SystemMgmtBus test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-TWOWIRE\_STW\_FAIL Format: Module %d has failed test %s %d times on Status Bus on slot %d due to error %s

**Explanation** Online diagnostics Status bus test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-STANDBY\_LOOPBACK\_TEST\_FAIL Format: Module %d has failed test %s %d times on %s %d due to error %s

**Explanation** Online diagnostics StandbyFabricLoopback test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-MGMT\_PORT\_SKIP Format: Module %d has skipped test %s on Management Port due to error %s

**Explanation** Online diagnostics ManagementPort test is skipped

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-EOBC\_FAIL Format: Module %d has failed test %s on EOBC due to error %s

**Explanation** Online diagnostics EOBC test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-EPC\_FAIL Format: Module %d has failed test %s on EPC due to error %s

**Explanation** Online diagnostics OBFL test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-OBFL\_FAIL Format: Module %d has failed test %s %d times on device OBFL due to error %s

**Error Message** DEVICE\_TEST-2-EPC\_EOBC\_SWITCH\_FAIL Format: %s switch device %d diag failed. Port bitmap 0x%x, Pass bitmap 0x%x

**Explanation** Bootup diagnostics test on EPC/EOBC switch failed

**Recommended Action** No action is required.

## DHCP\_SNOOP Messages

**Error Message** DHCP\_SNOOP-2-INITFAIL Format: DHCP Daemon Initialization failed: %s

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

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-REGPARTREE Format: Unable to register par tree: %s

**Explanation** Could not register par tree. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_SNOOP\_PROGRAM\_EXIT Format: %s

**Explanation** DHCP snoop process did an abnormal exit

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_CLIENT\_DISCOVER\_START Format: DHCP client Discover phase started

**Explanation** DHCP client Discover phase started

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_CLIENT\_DISCOVER\_START\_INTF\_LIST Format: DHCP client discover phase started list of interfaces

**Explanation** DHCP client discover phase started list of interfaces

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_CLIENT\_REQUEST\_START\_INTF\_LIST Format: DHCP client request phase started list of interfaces

**Explanation** DHCP client request phase started list of interfaces

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_CLIENT\_REQUEST\_START Format: DHCP client starts from Request phase directly

**Explanation** DHCP client starts from Request phase directly

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_CLIENT\_FAILURE Format: DHCP client failed

**Explanation** DHCP client failed

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_CLIENT\_INFO Format: %s

**Explanation** DHCP client info

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_DISCOVER\_RECVD\_NAK Format: Received DHCP NAK

**Explanation** Received DHCP NAK

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-MTSErrorR Format: %s

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

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-SOCKOPENFAIL Format: Failed to open socket for receiving DHCP packets - %s

**Explanation** An attempt to open a socket for receiving DHCP packets failed. [char] identifies the reason.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-SOCKBINDFAIL Format: Failed to bind to raw socket - %s

**Explanation** Failed to bind to socket. [char] identifies the reason.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-PKTRECVFAIL Format: Failed to receive packet - %s

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

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-PKTDROP Format: Packet dropped. Reason - %s

**Explanation** Dropping the packet. [char] identifies the reason.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-PKTSENDFAIL Format: Failed to send packet, - %s

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

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-INVDPKPKTS Format: Validation errors while processing DHCP packet received on interface %s vlan %d Reason:%s. Dropping the packet

**Explanation** Validation errors DHCP packet received on the interface [chars] vlan [%d]. Reason:[chars]

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-6-DHCPUP Format: 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.

**Error Message** DHCP\_SNOOP-6-OPT82INSTFAIL Format: %s %s

**Explanation** Insertion of Option82 suboptions failed. [chars] tells the failure. [chars] explains the reason for failure. This is an informational message.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-6-DHCPEXIT Format: DHCP Daemon shutting down gracefully.

**Explanation** DHCP Daemon is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-6-NONDHCPPKTFWD Format: Non DHCP packet with src port:%d dst port:%d on intf:%s vlan:%d. Forwarding on %s

**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.

**Error Message** DHCP\_SNOOP-6-DHCPPKTFWD Format: Gracefully forwarding DHCP packet. Reason: %s

**Explanation** Gracefully forwarding DHCP packet. reason [chars]

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-ASSERTION\_FAILED Format: %s:%d

**Explanation** DHCP Snoop process has hit an assert condition at file [chars] line number [dec]

**Recommended Action** No action is required.

## DIAG\_PORT\_LB Messages

**Error Message** DIAG\_PORT\_LB-5-DIAG\_PORT\_LB\_ENABLED Format: DIAG\_PORT\_LB Enabled

**Explanation** DIAG\_PORT\_LB Service nabled

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-5-DIAG\_PORT\_LB\_DISABLED Format: DIAG\_PORT\_LB Disabled

**Explanation** DIAG\_PORT\_LB Service Disabled

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-MALLOC\_FAILURE Format: %s(%d) Memory allocation failed.

**Explanation** Port Loopback test process could not allocate memory

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-PIXM\_LIB\_ERROR Format: %s(%d) Failed to convert %s:%x to %s. Error:%s

**Explanation** Port Loopback test process failed to convert port ifindex <-> port index.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-PORT\_CLIENT\_LIB\_ERROR Format: %s(%d) %s. Error:%s

**Explanation** Port Loopback test process failed in Port Client API.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-4-MTS\_LIB\_ERROR Format: %s(%d) %s. Warning:%s

**Explanation** Port Loopback test process failed in MTS API.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-FSM\_LIB\_ERROR Format: %s(%d) %s. Error:%s

**Explanation** Port Loopback test process failed in MTS API.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-STATS\_LIB\_ERROR Format: %s(%d) %s:%d

**Explanation** Port Loopback test process failed in stats infra lib API.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-DIAG\_PKT\_SEND\_FAILURE Format: %s(%d) %s. Error:%s

**Explanation** Port Loopback test process failed to send loopback packets.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-TIMER\_LIB\_ERROR Format: %s(%d) %s

**Explanation** Port Loopback test process timer handling failure.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-INVALID\_TEST\_REQUEST Format: %s(%d) %s:%d

**Explanation** Port Loopback test process failed to get test request info.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-INVALID\_TEST\_RUN Format: %s(%d) %s:%d

**Explanation** Port Loopback test process failed to get the current test run information

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-RESULT\_ADD\_FAILURE Format: %s(%d) %s:%d

**Explanation** Port Loopback test process failed to add the port test result

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-IFINDEX\_LIB\_FAILURE Format: %s(%d) %s %s:%x %s %s

**Explanation** Port Loopback test process failed in if\_index library API

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-PROC\_INIT\_FAILURE Format: %s(%d) %s Error:%s

**Explanation** Port Loopback test process failed in process initialization

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-SOCKET\_ERROR Format: %s(%d) %s Error:%s

**Explanation** Port Loopback test process failed in socket operations

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-LIF\_GET\_ERROR Format: %s(%d) %s Error:%s

**Explanation** Port Loopback test process failed to get Diagnostic LIF id

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-VLAN\_ERROR Format: %s(%d) %s Error:%s

**Explanation** Port Loopback test process failed to get Diagnostic VLAN info

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-PORTLOOPBACK\_TEST\_FAIL Format: Module:%d  
Test:PortLoopback failed %d consecutive times. Faulty module:%s %s Error:%s

**Explanation** PortLoopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-REWRITE\_ENGINE\_LOOPBACK\_TEST\_FAIL Format: Module:%d Test:RewriteEngine Loopback failed %d consecutive times. Faulty module:%s %s Error:%s

**Explanation** Rewrite Engine Loopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-4-PORT\_CFG\_REQ\_SEND Format: %s(%d) Failed to send request to configure port ifindex:%d for port loopback test

**Explanation** Failed to configure/restore the port to do/cleanup port loopback testing

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-VQI\_GET\_FAIL Format: Failed to get the Diag VQi from XBM. Error:%s

**Explanation** Rewrite Engine Loopback test failed to get the Diag VQi from XBAR Mgr

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-RW\_ENGINE\_LOOPBACK\_TEST\_SPINE\_PATH\_FAIL Format: Module:%d Test:RewriteEngine Loopback Spine path:%d failed %d consecutive times. Error:%s

**Explanation** Rewrite Engine Loopback test failed on the spine path consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-TEST\_RES\_SEND\_FAIL Format: Failed to send %s test results back to Diagnostics Infrastructure. Error:%s.

**Explanation** The port loopback test was not able to send the test results

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-PDB\_LIB\_API\_ERROR Format: Failed to %s. Error:%d.

**Explanation** The port loopback test was not able to get chassis info

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-DIAG\_FWD\_PATH\_SETUP\_FAILURE Format: %s. Module:%d Error:%s.

**Explanation** Forwarding path setup for port loopback tests failed

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-LCM\_RESP\_SEND\_FAILURE Format: LC Inserted request response send to Module Manager failed . Error:%s

**Explanation** Failed to send the response for LC insertion to Module Manager.

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-FIPS\_RANDOM\_ERROR Format: Random Number Generation Failure

**Explanation** Random Number generation failed in FIPS module

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-SNAKE\_TEST\_LOOPBACK\_TEST\_FAIL Format: Module:%d Test:SnakeLoopback failed %d consecutive times. Faulty module:%s affected ports:%s Error:%s

**Explanation** Snake test failed on the module consecutively

**Recommended Action** No action is required.

## DIAGCLIENT Messages

**Error Message** DIAGCLIENT-5-CALLOC\_FAILURE Format: Memory allocation failed

**Explanation** DiagClient process could not allocate memory

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-3-ONDEMAND\_FAIL\_EXCESS Format: Module <%d> Test <%s> has failed more than <%d> number of times

**Explanation** Ondemand test has failed more than configured number of times

**Recommended Action** copy the error 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

**Error Message** DIAGCLIENT-5-ONDEMAND\_SUCCESS Format: Module <%d> Test <%s> has completed successfully in Test\_Iteration <%s>

**Explanation** The specified test has reported SUCCESS in this Iteration

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-ONDEMAND\_FAIL Format: Module <%d> Test <%s> has failed in Test\_Iteration <%s>

**Explanation** The specified test has reported FAILURE in this Iteration

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-7-DIAG\_HM\_FAIL Format: Module <%d> Health Monitoring Test <%s> has failed. Please use 'show diagnostic result <target>' to see test results

**Explanation** A Health Monitoring Test has reported failure

**Recommended Action** Ensure the line card is firmly in the slot, reseal 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 error 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.

**Error Message** DIAGCLIENT-7-PER\_PORT\_TEST\_FAIL Format: PORT\_LIST \*/ "Module <%d> Test <%s> has failed on Ports <%s> Please use 'show diagnostic result <target>' to see test results"

**Explanation** Per Port Test has failed on the above all ports

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-4-MTS\_SEND\_FAILURE Format: MTS send failed, mts\_opc: %s, dest slot: %u, dest SAP: %d, error-id: 0x%x

**Explanation** MTS send reports failure

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-2-PSS\_WRITE\_FAILURE Format: /\* MODULE\_ID \*/ "Write to PSS failed on Module <%d>"

**Explanation** Write operation on PSS store failed

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-2-PSS\_READ\_FAILURE Format: /\* MODULE\_ID \*/ "Read from PSS failed on Module <%d>"

**Explanation** Read operation from PSS store failed

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-4-LC\_OFFLINE\_FOR\_CURR\_SLOT Format: Received LC offline event for the current slot:%d. Ignoring it

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_START Format: Module %d: Ondemand test %s started

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_STOP Format: Module %d: Ondemand test %s stopped

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_FINISH Format: Module %d: Ondemand test %s finished

**Explanation** Informational Syslog

**Recommended Action** No action is required.

## DIAGMGR Messages

**Error Message** DIAGMGR-5-CALLOC\_FAILURE Format: Memory allocation failure

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

**Recommended Action** No action is required.

**Error Message** DIAGMGR-5-BOOTUP\_CONF Format: /\*COMPLETE/BYPASS\*/ "Diagnostic Bootup Level: <%s>"

**Explanation** Current Diagnostic BootUp Level being configure or changed

**Recommended Action** No action is required.

**Error Message** DIAGMGR-2-MTS\_SEND\_FAILURE Format: MTS send failed, mts\_opc: %s, dest slot: %d, dest SAP: %d, error-id: 0x%x

**Explanation** MTS send reports failure

**Recommended Action** No action is required.

## DNS Messages

## DT\_HELPER Messages

## ETH\_PORT\_CHANNEL Messages

**Error Message** ETH\_PORT\_CHANNEL-5-CREATED Format: %s created

**Explanation** a port-channel is created

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-DELETED Format: %s deleted

**Explanation** a port-channel is deleted

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_ADDED Format: %s added to %s

**Explanation** ports are added to a port-channel

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_REMOVED Format: %s removed from %s

**Explanation** ports are removed from a port-channel

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-4-PORT\_CFG\_DELETED Format: %s removed from %s (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.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_UP Format: %s: %s is up

**Explanation** port comes up in a port-channel

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_DOWN Format: %s: %s is down

**Explanation** port goes down in a port-channel

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_SUSPENDED Format: %s: %s is suspended

**Explanation** port is suspended in a port-channel

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_HOT\_STANDBY Format: %s: %s goes to hot-standby

**Explanation** port goes to hot-standby in a port-channel

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_HOT\_STANDBY\_DOWN Format: %s: hot-standby port %s is down

**Explanation** port-channel hot-standby member goes down

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-3-COMPAT\_CHECK\_FAILURE Format: %s 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

**Error Message** ETH\_PORT\_CHANNEL-5-IF\_DOWN\_SUSPENDED\_BY\_MODE Format: Interface %s 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

**Error Message** ETH\_PORT\_CHANNEL-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED Format: Interface %s 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

**Error Message** ETH\_PORT\_CHANNEL-1-MALLOC\_FAILED Format: cannot allocate memory (size %d)

**Explanation** no enough memory

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-3-MSG\_SEND\_FAILURE Format: failed to send %s to sap %d: %s

**Explanation** failed to send a message

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-FOP\_CHANGED Format: %s: first operational port changed from %s to %s

**Explanation** the first operational port in a port-channel is changed

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-3-PORT\_CHANNEL\_NOT\_FOUND Format: %s 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.

**Error Message** ETH\_PORT\_CHANNEL-4-RACE\_WARN Format: %s

**Explanation** warning of possible race condition

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-3-GENERAL\_ERROR Format: %s

**Explanation** general error

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-4-PORT\_INDIVIDUAL Format: port %s 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

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_INDIVIDUAL\_DOWN Format: individual port %s is down

**Explanation** port-channel member operating in individual mode goes down

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-3-RSP\_TIMEOUT Format: Component %s timed out on response to opcode:%s (for:%s)

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-ALL\_DROP\_TIMEOUT Format: Some component(s) (sap:%s) timed out on dropping notif:%s (for:%s); Please collect <show system internal mts buffers details>

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-NUM\_ACTIVE\_PORTS\_ERROR Format: Port-channel:%s active\_nports %d; No member is active; Please collect <show tech-support port-channel/ethpm>

**Explanation** Port-channel num active ports error

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_HWCFG\_FAIL\_ERROR Format: Port-channel:%s mbr:%s SAP %d returned error %s for opc %s; if lacp port-channel please collect <show tech-support lacp all> or please collect <show tech-support port-channel/ethpm>

**Explanation** Port-channel hwcfg fail error

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_PORT\_DOWN\_IN\_PC\_UP\_ERROR Format:  
Port-channel:%s mbr:%s; if lacp port-channel please collect <show tech-support  
lacp all> or please collect <show tech-support port-channel/ethpm>

**Explanation** Port-channel port down in pc\_up. No bundle member down

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-ADD\_REM\_MEMBERS\_FAILURE Format: %s

**Explanation** Some service(s) failed to add or remove ports to port-channel

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_PORT\_DEL\_IN\_PC\_UP\_ERROR Format:  
Port-channel:%s mbr:%s; if lacp port-channel please collect <show tech-support  
lacp all> or please collect <show tech-support port-channel/ethpm>

**Explanation** Port-channel port del in pc\_up. Shut resp recvd before bundle member down

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-RESOURCE\_ALLOC\_FAILED\_PORT\_CHANNEL\_DELETED Format:  
%s deleted

**Explanation** port-channel deleted from running config

**Recommended Action** may need to re-configure the port-channel and its members

## ETH\_PORT\_MGR Messages

**Error Message** ETH\_PM-5-IF\_UP Format: Interface %s is up %s

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_NONE Format: Interface %s is down (%s)

**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

**Error Message** ETH\_PM-5-IF\_DOWN\_HW\_FAILURE Format: Interface %s is down (Hardware Failure)

**Explanation** The module's hardware has failed

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Error Message** ETH\_PM-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE Format: Interface %s 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

**Error Message** ETH\_PM-2-IF\_DOWN\_ERROR\_DISABLED Format: Interface %s is down (Error disabled. Reason:%s)

**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 'no shutdown' on the interface or removing and re-inserting the fibre optic cable.

**Error Message** ETH\_PM-5-IF\_DOWN\_SOFTWARE\_FAILURE Format: Interface %s is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_LINK\_FAILURE Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_OFFLINE Format: Interface %s is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_NON\_PARTICIPATING Format: Interface %s is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_INITIALIZING Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_INACTIVE Format: Interface %s is down (Inactive)

**Explanation** The port VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VSAN to the interface

**Error Message** ETH\_PM-5-IF\_DOWN\_ADMIN\_DOWN Format: Interface %s is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform 'no shutdown'

**Error Message** ETH\_PM-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN Format: Interface %s 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 PortChannel interface that it belongs to

**Error Message** ETH\_PM-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED Format: Interface %s 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 PortChannel interface that it belongs to

**Error Message** ETH\_PM-5-IF\_DOWN\_SUSPENDED Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN Format: Interface %s is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND Format: Interface %s is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_INTERFACE\_REMOVED Format: Interface %s is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_FCOT\_NOT\_PRESENT Format: Interface %s is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Error Message** ETH\_PM-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_SUSPENDED\_BY\_MODE Format: Interface %s 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 PortChannel

**Error Message** ETH\_PM-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED Format: Interface %s 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 PortChannel

**Error Message** ETH\_PM-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE Format: Interface %s is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_LOOPBACK\_ISOLATION Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS Format: Interface %s is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN Format: Interface %s 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's members

**Error Message** ETH\_PM-5-IF\_DOWN\_MODULE\_REMOVED Format: Interface %s is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DUPLEX Format: Interface %s, operational duplex mode changed to %s

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-SPEED Format: Interface %s, operational speed changed to %s

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_RX\_FLOW\_CONTROL Format: Interface %s, operational Receive Flow Control state changed to %s

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_TX\_FLOW\_CONTROL Format: Interface %s, operational Transmit Flow Control state changed to %s

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_TRUNK\_UP Format: Interface %s, vlan %s up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_TRUNK\_DOWN Format: Interface %s, vlan %s 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

**Error Message** ETH\_PM-3-IF\_UNSUPPORTED\_TRANSCEIVER Format: Transceiver on interface %s is not supported

**Explanation** The transceiver for the interface specified in the error 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

**Error Message** ETH\_PM-5-IF\_DOWN\_ETH\_LINK\_DOWN Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_ETH\_IF\_DOWN Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_CFG\_CHANGE Format: Interface %s is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_SRC\_PORT\_REMOVED Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE Format: Interface %s 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

**Error Message** ETH\_PM-5-IF\_DOWN\_VRF\_UNUSABLE Format: Interface %s is down (Vrf down)

**Explanation** The vrf for which this interface is a member is removed

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-SEQ\_TIMEOUT Format: Component %s timed out on response to opcode %s (%s)

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Error Message** ETH\_PM-5-IF\_SEQ\_ERROR Format: Error (%s) communicating with %s for opcode %s (%s) "#ifndef FINAL " Follow PM FAQ #6 at: <http://zed.cisco.com/confluence/display/KGP/Port+Manager+FAQ>"#endif

**Explanation** Some component returned system error as a response to one of the port event sequence.

**Recommended Action** None

**Error Message** ETH\_PM-5-STORM\_CONTROL\_ABOVE\_THRESHOLD Format: Traffic in port %s exceeds the configured threshold %s

**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

**Error Message** ETH\_PM-5-STORM\_CONTROL\_BELOW\_THRESHOLD Format: Traffic in port %s has fallen below the configured threshold %s

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_BANDWIDTH\_CHANGE Format: Interface %s, bandwidth changed to %s Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_HARDWARE Format: Interface %s, hardware type changed to %s

**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.

**Error Message** ETH\_PM-3-IF\_ERROR\_VLANS\_SUSPENDED Format: VLANs %s on Interface %s are being suspended. (Reason: %s)

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Error Message** ETH\_PM-3-IF\_ERROR\_VLANS\_REMOVED Format: VLANs %s on Interface %s are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Error Message** ETH\_PM-4-IF\_SFP\_WARNING Format: Interface %s, %s

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETH\_PM-3-IF\_SFP\_ALARM Format: Interface %s, %s

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETH\_PM-3-IF\_SFP\_ERROR Format: Interface %s, %s

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETH\_PM-5-IF\_L2MP\_MODE Format: Interface %s, l2mp-mode changed to %s

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Error Message** ETH\_PM-2-IF\_CRITICAL\_FAILURE Format: (Debug syslog)Critical failure: %s, %s

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.)msgdef\_ddts\_component(SRVNAME\_ETH\_PORT\_MGR

**Error Message** ETH\_PM-2-SYSLOG\_ETHPM\_CRITICAL Format: Critical failure: %s

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support)msgdef\_ddts\_component(SRVNAME\_ETH\_PORT\_MGR

**Error Message** ETH\_PM-4-IF\_XCVR\_WARNING Format: Interface %s, %s

**Explanation** There was a warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETH\_PM-3-IF\_XCVR\_ALARM Format: Interface %s, %s

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETH\_PM-3-IF\_XCVR\_ERROR Format: Interface %s, %s

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETH\_PM-5-IF\_ADMIN\_UP Format: Interface %s is admin up %s

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Error Message** ETH\_PM-4-IF\_NON\_QUALIFIED\_TRANSCEIVER Format: Non-qualified transceiver on interface %s 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

**Error Message** ETH\_PM-5-IF\_ERRDIS\_RECOVERY Format: Interface %s is being recovered from error disabled state (Last Reason:%s)

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Error Message** ETH\_PM-5-IF\_DOWN\_PARENT\_DOWN Format: Interface %s is down (Parent interface is down)

**Explanation** The physical link on the parent interface has gone down

**Recommended Action** No action is required.

## IGMP Messages

**Error Message** IGMP-6-SHUTDOWN Format: IGMP shutting self down

**Explanation** IGMP process is shutting itself down.

**Recommended Action** No user action is required.

**Error Message** IGMP-6-RECEIVE\_QUERY Format: Received %s interface %s from %s

**Explanation** IGMP version mismatch, query still processed.

**Recommended Action** No user action is required.

**Error Message** IGMP-6-RESTART\_SHUTDOWN Format: IGMP shutting self down via restart command

**Explanation** IGMP process is shutting itself down due to the restart command.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-RESTART\_REASON Format: IGMP process has restarted, restart reason: %s

**Explanation** IGMP is restoring the routes it had added in previous instance.

**Recommended Action** No user action is required.

**Error Message** IGMP-6-STATE\_LIMIT\_WARNING Format: Exceeded 80% of the state-limit for interface %s

**Explanation** Exceeded 80% of the state-limit for interface

**Recommended Action** No user action is required.

**Error Message** IGMP-6-RESERVE\_LIMIT\_WARNING Format: Exceeded 80% of the reserve-limit for interface %s

**Explanation** Exceeded 80% of the reserve-limit for interface

**Recommended Action** No user action is required.

**Error Message** IGMP-6-AS\_LIMIT\_INCREASED Format: Address space size for %s increased %d times

**Explanation** IGMP process incremented AS memory resource limit

**Recommended Action** No user action is required.

**Error Message** IGMP-4-SYSTEM\_RESOURCE\_THRESHOLD\_WARNING Format: System resource usage for %s is above 84%

**Explanation** IGMP entries reached 84% of Threshold.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-STATE\_LIMIT Format: Exceeded state-limit for interface %s - dropping

**Explanation** Exceeded the state-limit for interface

**Recommended Action** No user action is required.

**Error Message** IGMP-3-RESERVE\_LIMIT Format: Exceeded reserve-limit for interface %s - dropping

**Explanation** Exceeded the reserve-limit for interface

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GROUP\_PREFIX\_IGNORE Format: Too many Groups in Group Prefix %s. Specify the prefix within /24

**Explanation** GPrefix yields too many Groups

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GROUP\_RANGE\_IGNORE Format: Too many Groups in Group Range %s - %s

**Explanation** Group Range yields too many Groups

**Recommended Action** No user action is required.

**Error Message** IGMP-3-UNKNOWN\_MTYPE Format: Unknown mtype: %d/%d in %s, opc:%d, from:%s

**Explanation** IGMP process received unknown Interprocess message, dropped.

**Recommended Action** No user action is required.

**Error Message** IGMP-6-UNKNOWN\_OPC Format: Received unknown mts opcode %d

**Explanation** IGMP process received unknown Interprocess message, dropped.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-MALLOC\_FAILED Format: %s failed in %s

**Explanation** IGMP process is out of free memory.

**Recommended Action** Configure the network or router to decrease the number of routes.

**Error Message** IGMP-3-BITFIELD\_FAILED Format: %s failed in %s

**Explanation** IGMP process could not execute the bitfield operation.

**Recommended Action** Dump core, then reload the stack.

**Error Message** IGMP-3-VRP\_CREATE Format: IGMP VRF creation failed for vrf %s

**Explanation** IGMP process could not create the VRF context.

**Recommended Action** Dump core, then reload the stack.

**Error Message** IGMP-3-API\_FAILED Format: %s failed in %s

**Explanation** IGMP process failed in invoking an API.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GET\_MAC\_ADDR Format: %s failed in %s with error %s

**Explanation** IGMP process failed in getting mac addr

**Recommended Action** No user action is required.

**Error Message** IGMP-3-IM\_API\_FAILED Format: %s failed in %s

**Explanation** IM API failed in MCEC IGMP Snoop.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-vPC\_API\_FAILED Format: %s%s

**Explanation** API failed in vPC IGMP snoop module.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-vPC\_ERROR Format: %s%s

**Explanation** vPC related messages.

**Recommended Action** No user action is required.

**Error Message** IGMP-6-vPC\_INFO Format: %s%s

**Explanation** vPC related messages.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-PTHREAD\_FAILED Format: %s failed in %s for thread %s

**Explanation** IGMP process failed to create a task thread.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-TIMER\_FAILED Format: %s failed for %s in %s

**Explanation** IGMP process failed to configure a timer event.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-PULLUP\_FAILED Format: m\_pullup() of %d bytes failed in %s

**Explanation** IGMP process failed to process the packet, dropping it.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-NO\_SHUTDOWN Format: Unable to shutdown %s

**Explanation** IGMP process unable to shut itself down.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-ALREADY\_RUNNING Format: IGMP already running, exiting

**Explanation** Another IGMP process is already running, this process will shutdown.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-NO\_SET\_PRIORITY Format: Failed to set policy or priority

**Explanation** IGMP process could not set itself process priority, exiting.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-SETRLIMIT\_FAILED Format: Address space size increment of %ld failed, reason %s

**Explanation** IGMP process could not set itself memory resource limit

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GETRLIMIT\_FAILED Format: Address Space size retrieval failed, reason %s

**Explanation** IGMP process could not retrieve memory resource limit

**Recommended Action** No user action is required.

**Error Message** IGMP-2-STARTUP\_FAILURE Format: Startup failure: %s

**Explanation** An unrecoverable software error has occurred during igmp startup.

**Recommended Action** No user action is required.

**Error Message** IGMP-2-STARTUP\_DEBUG Format: %s %d

**Explanation** An unrecoverable software error has occurred during igmp startup.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-AVL\_ERROR Format: AVL-tree operation %s failed for %s

**Explanation** IGMP process failed in an AVL-tree manipulation.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-PT\_ADD Format: Couldn't add element to PT %s

**Explanation** IGMP failed to update the local snooping-db entry.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-PT\_DEL Format: Couldn't delete element from PT %s

**Explanation** IGMP failed to delete the local snooping-db entry.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-BF\_CREATE Format: Couldn't create bitfield for %s

**Explanation** IGMP failed to create bitfield resource.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-VLAN\_EXISTS Format: SNOOP: Couldn't create %s, already exists

**Explanation** IGMP failed to create vlan resource.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-IGMP\_INIT Format: IGMP init failed: %s

**Explanation** IGMP process initialization failed.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-VLAN\_DEL Format: Couldn't delete vlan entry for %s due to %s from snooping database

**Explanation** IGMP failed to delete the snooping-db vlan entry.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GROUP\_DEL Format: Couldn't delete group entry for %s (%s) due to %s from snooping database

**Explanation** IGMP failed to delete the snooping-db group entry.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-ENCAP\_DEL Format: Couldn't delete encap entry for %d (\*, %s) (%s) due to %s from snooping database

**Explanation** IGMP failed to delete the snooping-db encap entry.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-SOURCE\_DEL Format: Couldn't delete source entry for (%s, %s) (%s) due to %s from snooping database

**Explanation** IGMP failed to delete the snooping-db source entry.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-SNOOP\_CONFIG\_ERROR Format: SNOOP: Couldn't configure %s, please configure %s first.

**Explanation** IGMP snooping could not configure a parameter because of dependencies

**Recommended Action** No user action is required.

**Error Message** IGMP-3-FEX\_QUERY\_ERROR Format: Router behind FEX port %s is not supported by the hardware

**Explanation** IGMP snooping could not process query from the fex port since it is not supported

**Recommended Action** No user action is required.

**Error Message** IGMP-3-FEX\_MRD\_ERROR Format: Router behind FEX port %s is not supported by the hardware

**Explanation** IGMP snooping could not process PIM hello from the fex port since it is not supported

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GROUP\_LIMIT Format: Exceeded multicast group limit (%d), ignoring new reports

**Explanation** Exceeded the multicast group limit

**Recommended Action** No user action is required.

**Error Message** IGMP-3-GROUP\_LOW\_THRESH Format: Multicast group count below %d, group joins re-enabled

**Explanation** Multicast group count below threshold

**Recommended Action** No user action is required.

**Error Message** IGMP-3-TXLIST\_CREATE Format: Couldn't create txlist for %s

**Explanation** IGMP failed to create txlist resource.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-MUTEX\_INIT Format: Couldn't init mutex %s

**Explanation** IGMP process failed to initialize mutex system resource.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-CV\_INIT Format: Couldn't init cond var %s

**Explanation** IGMP process failed to initialize conditional-variable resource.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-QUERIER\_START\_FAILED Format: %s failed in %s

**Explanation** IGMP snoop failed to start the querier.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-RPORT\_UPDATE Format: Router-port update failed for %s (%s)

**Explanation** IGMP-SNOOP called an API which returned an error.

**Error Message** IGMP-3-RCOUNT\_UPDATE Format: Route count update failed for %s

**Explanation** IGMP called an API which returned an error.

**Error Message** IGMP-3-RCOUNT\_DELETE Format: Route count delete failed for %s

**Explanation** IGMP called an API which returned an error.

**Error Message** IGMP-3-LVPORT\_CREATE Format: IGMP Snooping couldn't create an leave-port in %s for group %s

**Explanation** IGMP-SNOOP called an API which returned an error.

**Error Message** IGMP-3-INVALID\_OIF\_LIST Format: IGMP Snooping invalid OIF list %s with %d iods in %s

**Explanation** IGMP-SNOOP has invalid number of iods.

**Error Message** IGMP-3-SYSMGR\_DISPATCH Format: Error returned from sysmgr\_dispatch(), errno: %s

**Explanation** IGMP called a System Manager API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-MTS\_BIND Format: Error returned from mts\_bind() for %s mts-q, errno: %s

**Explanation** IGMP called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-MTS\_SEND Format: Error returned from mts\_send() for %s queue, errno: %s

**Explanation** IGMP called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-MTS\_RECV Format: Error returned from mts\_recv() for %s queue, errno: %s

**Explanation** IGMP called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-MTS\_DROP Format: Error returned from mts\_drop() for %s queue, errno: %s

**Explanation** IGMP called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-MTS\_INIT Format: Error returned from mts\_callback\_handler\_set() for %s queue, errno: %s

**Explanation** IGMP called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-BAD\_MSG Format: Invalid %s message received from %s

**Explanation** IGMP received an invalid MTS message.

**Recommended Action** Dump core, then restart component.

**Error Message** IGMP-3-LIB\_MTS\_FAILED Format: %s failed in %s, errno: %s

**Explanation** Process failed to access the IGMP MTS-queue.

**Recommended Action** No user action is required.

**Error Message** IGMP-3-LIB\_API\_FAILED Format: %s failed in %s

**Explanation** Process failed in invoking IGMP API.

**Recommended Action** No user action is required.

## IM Messages

**Error Message** IFMGR-5-IM\_UNKNOWN\_INTERFACE Format: %s

**Explanation** Interface is not supported or not found

**Recommended Action** No action is required.

**Error Message** IFMGR-5-IM\_INTERNAL\_ERROR Format: %s

**Explanation** Internal error occurred

**Recommended Action** No action is required.

**Error Message** IFMGR-5-IM\_DEMUX\_ERROR Format: %s

**Explanation** Demux function returned error

**Recommended Action** No action is required.

**Error Message** IFMGR-5-IM\_INTF\_STATE Format: %s %s in vdc %d

**Explanation** Management interface state changed.

**Recommended Action** No action is required.

**Error Message** IFMGR-3-IM\_SEQ\_ERROR Format: Error (%s) while communicating with component %s opcode:%s (for:%s)

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** No action is required.

**Error Message** IFMGR-3-IM\_RESP\_ERROR Format: Component %s opcode:%s in vdc:%d returned error:%s

**Explanation** Some component returned an error.

**Recommended Action** No action is required.

**Error Message** IFMGR-3-IM\_LC\_OFFLINE\_ERROR Format: LC Offline could not be sent to vdc:%d

**Explanation** LC Offline was not relayed to some vdc, so applications may not behave correctly.

**Recommended Action** No action is required.

**Error Message** IFMGR-3-IM\_IF\_FEATURE\_BIND\_FAILURE Format: Interface feature bind failed %s

**Explanation** interface feature bind failed, so applications in that feature set may not behave correctly.

**Recommended Action** No action is required.

## NEW\_INSTALLER Messages

**Error Message** INSTALLER-5-UPGRADE\_INITIATED Format: System upgrade initiated.

**Explanation** System wide upgrade has been initiated by the user.

**Recommended Action** No action is required.

**Error Message** INSTALLER-5-UPGRADE\_COMPLETED Format: System upgrade completed.

**Explanation** This message indicates system wide upgrade has completed.

**Recommended Action** No action is required.

**Error Message** INSTALLER-5-UPGRADE\_ABORTED Format: System upgrade aborted.

**Explanation** This message indicates that system wide upgrade has aborted.

**Recommended Action** No action is required.

**Error Message** INSTALLER-5-UPGRADE\_STOPPED Format: System upgrade stopped.

**Explanation** This message indicates that system wide upgrade has been stopped by the user.

**Recommended Action** No action is required.

**Error Message** INSTALLER-1-UPGRADE\_EXCEEDED\_DOWNTIME Format: 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.

## IPFIB Messages

**Error Message** IPFIB-LC-4-IPFIB\_PSS\_RUNNING\_OUT\_OF\_SPACE Format: PSS Global buffer running out of space

## ISIS Messages

### ISIS Messages

**Error Message** ISIS-2-STARTUP\_FAILURE Format: Startup failure: Failed to %s

**Explanation** An unrecoverable software error has occurred during startup.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** ISIS-2-RUNTIME\_INIT\_FAILURE Format: Unexpected runtime initialization failure. Failed to %s

**Explanation** An unexpected software error has occurred while initializing a sub-component.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-RUNTIME\_CLEANUP\_FAILURE Format: Unexpected runtime cleanup failure. Failed to %s

**Explanation** An unexpected software error has occurred while cleaning up a sub-component.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-TLV\_MIGRATE Format: L%d %s still has TLV during migration

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-HOLDDOWN Format: Failed to enable process after sequence number wrap holddown.

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-MQRCVD Format: %s thread - message queue receive failure <%d>

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-URIB\_UPDATE Format: Failed to notify SPF thread about route update buffer availability

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-ROUTE\_NOTIFY Format: Route notifications to the RIB are not possible. This will result in stale state in the FIB.

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-MEM\_ERR Format: Insufficient memory for %s

**Explanation** Memory is not available for adding SNP entries

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-AVL\_FAIL Format: Add to CSNP cache failed: %s - %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-URIB\_ADD\_RNH\_FAILURE Format: Cannot add RNH to %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-ROUTE\_BUF\_OVERFLOW Format: %s route buffer overflow at entry %lu

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-REDIST\_PIB\_SHM Format: Failed to attach to redistributing PIB's SHM %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-LSP\_FREE\_LINK Format: L%d %s is already on free list

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-LSP\_FREE\_DELINK Format: L%d %s is not on free list

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-IM\_DEL Format: Delete msg for %s (%d) iib %p - iib iod %d mismatched

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-IIB\_EXT Format: %s extension msg for %s (%d) - %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-SUM\_DIST Format: sum-addr %s/%d has zero route-dist candidate count

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-2-MCAST\_ADD Format: Failed to add L%d multicast address

**Explanation** Was unable to join to the appropriate multicast group on an interface.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-3-AVL\_LOOKUP Format: Can't locate CSNP fragment for %s

**Explanation** SNP cache may get cleaned up during normal operation

**Recommended Action** No user action is required.

**Error Message** ISIS-3-PT\_ADD Format: Couldn't add entry to %s PT

**Explanation** ISIS failed to update a local database entry.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-PT\_DEL Format: Couldn't delete entry for %s from %s PT

**Explanation** ISIS failed to delete an entry from a local database.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-SLAB\_ALLOC Format: Slab alloc of type %s failed for %s

**Explanation** ISIS process failed to allocate Slab memory.

**Recommended Action** Configure the network or router to decrease the number of routes.

**Error Message** ISIS-3-SWID\_UPDATE Format: Switch-ID table update failed for %s

**Explanation** ISIS process failed to update Switch-ID database.

**Recommended Action** Configure the network or router to decrease the number of routes.

**Error Message** ISIS-3-WEIRD\_CACHE Format: Inconsistent cache %x %s %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-SELF\_LSP\_CLEANUP Format: Cleanup L%d LSP %s with non-null TLV list

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-NO\_HELPER\_IIB Format: No helper iib for %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-LSP\_REFRESH Format: Refresh non-self-originated level-%d LSP %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-NOTIFY\_THREAD Format: Failed to notify %s thread - Reschedule

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-MTS Format: Error returned from MTS operation %s, errno: %s

**Explanation** ISIS called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** ISIS-3-MTS\_RECV Format: Error returned from mts\_recv(), errno: %s

**Explanation** ISIS called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** ISIS-3-MTS\_DROP Format: Error returned from mts\_drop(), errno: %s

**Explanation** ISIS called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** ISIS-3-BAD\_PKT Format: Unexpected packet received by thread %s.

**Explanation** ISIS received an unexpected packet.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_MTS\_OPC Format: %s thread - Unrecognized MTS opcode %d

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_MSG\_MAJOR Format: %s thread - Unrecognized message major type %d

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_MSG\_MINOR Format: Unrecognized %s message minor type %d

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_LSP\_TIMER Format: Unrecognized LSP timer type %d for level-%d LSP %s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_DEB\_FLAG Format: Ignore unrecognized debug flag %s"

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_IP\_NOTIF Format: Unrecognized IP address change notification type %lu

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-SPF\_ADJ\_DEL Format: Deleting SPF adj with refcount %lu

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-5-NH\_DEL Format: Cleanup L%d route %s/%d has %s next hop

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-MBUF\_COPY Format: Error 0x%08x copy %hu bytes packet from %s%s

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-MCAST\_DEL Format: Failed to remove L&d multicast address

**Explanation** Was unable to leave from the appropriate multicast group on an interface.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-PIB\_UP Format: Failed to bring up protocol

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-RPM\_CALLBACK Format: RPM Callback handle and/or user data missing

**Explanation** An attempt to obtain RPM Keychain information failed.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-VLAN\_MGR Format: Error in parsing %s message from VLAN Manager

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-ISIS\_HA\_PSS Format: HA Persistent-store failure for %s %s: %s

**Explanation** A software error has occurred during HA. Stateful HA recovery will be disabled

**Recommended Action** No user action is required.

**Error Message** ISIS-3-UNK\_SYSMGR\_NOTIFY Format: Unexpected registration received from process %u

**Explanation** An unexpected but handleable event has occurred.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-BFD\_SESSION\_REMOVE Format: Failed to remove BFD session, error %s

**Explanation** Unable to remove BFD sessions.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-OTV\_SITE\_CAP Format: Failed to add/remove otv site/net-id capability conf check, error %s

**Explanation** Unable to add conf check.

**Recommended Action** No user action is required.

**Error Message** ISIS-3-OTV\_INFO Format: Failed to retrieve OTV %s info %s

**Explanation** Unable to retrieve OTV information

**Recommended Action** No user action is required.

**Error Message** ISIS-3-CONFIG\_ERROR Format: Error In Configuration: %s

**Explanation** Unsupported configuration

**Recommended Action** No user action is required.

**Error Message** ISIS-5-PROC\_SEQWRAP Format: Handle sequence number wraparound - disabling process for %d secs

**Explanation** An LSP's sequence number has wrapped, and the process will be disabled for the correct length of time.

**Recommended Action** No user action is required.

**Error Message** ISIS-5-ADJCHANGE Format: %s adj L%s %s over %s - %s on MT-%d

**Explanation** The indicated adjacency has changed state.

**Recommended Action** No user action is required.

**Error Message** ISIS-4-LSPFULL Format: L%d %s LSP space is full

**Explanation** There is no storage space left for routing information in the router's LSP

**Recommended Action** Configure IS-IS so that less information will be distributed in the router's LSP, for example by reducing redistributed prefixes.

**Error Message** ISIS-4-SEQWRAP Format: Sequence number wraparound event detected

**Explanation** IS-IS has detected that an LSP's sequence number has wrapped. IS-IS will shut down and restart

**Recommended Action** No user action is required.

**Error Message** ISIS-4-PROC\_NO\_MEM Format: No memory event, shutting down process

**Explanation** Previously an allocation failed due to no available memory. IS-IS will shut down and wait for user to restart it.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-4-NO\_MEM Format: No memory event detected

**Explanation** An attempt to allocate from free memory 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.

**Error Message** ISIS-4-LSPFULL\_FORCED\_DROP Format: L%d %s LSP is full, removed lower priority TLVs to make room for type %d TLV

**Explanation** There was no storage space left for important routing information in the router's LSP, and so lower priority information (e.g., redistributed prefixes) has been dropped to make room.

**Recommended Action** Configure IS-IS so that less information will be distributed in the router's LSP, for example by reducing redistributed prefixes.

**Error Message** ISIS-4-LSPFULL\_FAILED\_DROP Format: L%d %s LSP is full and couldn't remove lower priority TLVs to make room for type %d TLV

**Explanation** There is no storage space left for routing information in the router's LSP, and an attempt to drop lower priority information has failed.

**Recommended Action** Configure IS-IS so that less information will be distributed in the router's LSP, for example by reducing redistributed prefixes.

**Error Message** ISIS-4-NO\_CID Format: Cannot allocate CID for %s  
- Over 255 LANs limit

**Explanation** IS-IS has been enabled on more than 255 broadcast interfaces and thus exceeded the protocol mandated limitation. Interfaces that are enabled beyond 255 will be ignored internally until the total count drops below 255.

**Recommended Action** Disable IS-IS on one or more broadcast interfaces using the CLI command 'no ip router isis', or convert the interface to point-to-point mode using the CLI command 'medium p2p' followed by 'ip router isis'.

**Error Message** ISIS-4-ADJ\_ADVT Format: Failed to advertise level %d adjacency %s

**Explanation** IS-IS was unable to advertise the indicated adjacency.

**Recommended Action** No user action is required.

**Error Message** ISIS-4-LAN\_DUP\_SYSID Format: L%d LAN IIH - Duplicate system ID %s detected over %s from %s

**Explanation** IS-IS has detected another system on the indicated LAN that is reusing the local system ID

**Recommended Action** Configure either the local or remote router with a different system ID using the CLI command 'net'.

**Error Message** ISIS-4-P2P\_DUP\_SYSID Format: P2P IIH - Duplicate system ID %s detected over %s

**Explanation** IS-IS has detected another system on the indicated P2P that is reusing the local system ID.

**Recommended Action** Configure either the local or remote router with a different system ID using the CLI command 'net'.

**Error Message** ISIS-4-LSP\_DUP\_SYSID Format: L%d LSP - Possible duplicate system ID %s detected

**Explanation** IS-IS has detected another non-directly connected system that is reusing the local system ID.

**Recommended Action** Configure either the local or remote router with a different system ID using the CLI command 'net'.

**Error Message** ISIS-4-ADD\_UNK\_NH\_ADDR Format: Attempt to add for L%d %s/%d on %s with unknown (zero) NH address

**Explanation** IS-IS has detected one or more routers at the same level to have a different set of address families enabled.

**Recommended Action** Configure all IS-IS routers at the same level to have the same address families enabled using the CLI command 'address-family ip/ipv6 unicast'.

**Error Message** ISIS-4-ILLEGAL\_PREFIX Format: Ignore internal L%d route %s/%d with external metric from %s

**Explanation** IS-IS has detected an internal route advertised with external metric, which is an illegal combination, by a router within the network

**Recommended Action** You must correct the remote system that is generating the incorrect information. Either reconfigure the remote system or update the system software to a version that does not originate incorrect information.

**Error Message** ISIS-4-ADD\_DEL\_URIB\_ERR Format: Failed to %s %lu %s route(s) xid %lu to URIB

**Explanation** IS-IS failed to update route information into URIB

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** ISIS-4-REDIST\_MAX\_ROUTE Format: Redistribution route limit has been reached - %d routes

**Explanation** ISIS redistribution: Max limit

**Recommended Action** No user action is required.

**Error Message** ISIS-4-REDIST\_THR\_ROUTE Format: Redistribution threshold has been reached - %d routes

**Explanation** ISIS redistribution: Threshold limit

**Recommended Action** No user action is required.

**Error Message** ISIS-6-START Format: Process start. Reason - %s

**Explanation** ISIS process start with specified reason

**Recommended Action** No user action is required.

**Error Message** ISIS-6-STOP Format: Process stop. Reason - %s

**Explanation** ISIS process stop with specified reason

**Recommended Action** No user action is required.

**Error Message** ISIS-6-SEQWRAP\_HOLDDOWN Format: Sequence number wraparound holddown timer expired - enable process

**Explanation** The correct amount of time has elapsed after an LSP's sequence number wrapped so that IS-IS can resume normal operation.

**Recommended Action** No user action is required.

**Error Message** ISIS-6-SYSMAN\_CLEANUP Format: Terminated by SYSMAN cleanup signal

**Explanation** IS-IS has been signaled to exit.

**Recommended Action** No user action is required.

**Error Message** ISIS-6-SHUTDOWN\_FAILURE Format: Shutdown failure. Failed to %s - %s

**Explanation** IS-IS request to system manager for permission to shutdown was declined.

**Recommended Action** No user action is required.

**Error Message** ISIS-6-UNK\_PDU Format: Unrecognized PDU type %d from %s%s

**Explanation** IS-IS has received a packet of a type which it does not recognize. The packet will be dropped.

**Recommended Action** No user action is required.

**Error Message** ISIS-6-JUMBO\_PDU Format: Drop %hu bytes jumbo PDU with %hu bytes buffer from %s%s

**Explanation** IS-IS has received a packet that exceeds the maximum supported size. The packet will be dropped.

**Recommended Action** No user action is required.

**Error Message** ISIS-6-UNK\_NLPID Format: Unrecognized NLP ID %02X from %s%s

**Explanation** IS-IS has received a packet with an NLPID which it does not recognize. The packet will be dropped.

**Recommended Action** No user action is required.

**Error Message** ISIS-6-MODE\_NO\_FUNC Format: No callback function registered for %s in %s mode

**Explanation** IS-IS encountered a problem where no callback function has been registered in the given mode

**Recommended Action** No user action is required.

## L2MCAST Messages

**Error Message** L2MCAST-LC-6-L2MCAST\_INITIALIZED Format: Internal state created %s

**Explanation** L2MCAST has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Error Message** L2MCAST-LC-6-L2MCAST\_VDC\_CREATED Format: VDC %d created

**Explanation** Request to create VDC [dec] in L2MCAST was successful.

**Recommended Action** No action is required.

**Error Message** L2MCAST-LC-6-L2MCAST\_VDC\_REMOVED Format: VDC %d Removed

**Explanation** L2MCAST has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Error Message** L2MCAST-LC-6-L2MCAST\_VDC\_VLAN\_CREATED Format: VLAN %d created

**Explanation** L2MCAST has added VLAN [dec].

**Recommended Action** No action is required.

**Error Message** L2MCAST-LC-6-L2MCAST\_VDC\_VLAN\_REMOVED Format: VLAN %d removed from VDC %d

**Explanation** L2MCAST has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

**Error Message** L2MCAST-LC-2-L2MCAST\_VLAN\_NOT\_FOUND Format: VLAN %d 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.

**Error Message** L2MCAST-LC-3-L2MCAST\_HW\_INSTALL\_FAIL Format: Hw install failed for vlan %d (%d, %s, %s) 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.

**Error Message** L2MCAST-LC-2-L2MCAST Format: Memory allocation failed. %s

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

**Explanation** SYSLOGDOC\_NO\_ACTION

**Error Message** L2MCAST-LC-0-L2MCAST\_TIMER\_INIT\_FAILED Format: Timer subsystem initialization failed!

**Explanation** L2MCAST failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

**Error Message** L2MCAST-LC-0-L2MCAST\_CLI\_INIT\_FAILED Format: 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.

**Error Message** L2MCAST-LC-2-L2MCAST\_HW\_OMF\_INSTALL\_FAIL\_TCAM\_FULL Format: Failed to insert entry in OMF table for BD %d OMF cannot be configured on New BDs

**Explanation** Failed to program the OMF entries for BD. New BD's cannot have omf mode

**Recommended Action** No action is required.

## LACP Messages

**Error Message** LACP-5-LACP\_ENABLED Format: LACP Enabled

**Explanation** LACP Service Enabled

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_DISABLED Format: LACP Disabled

**Explanation** LACP Service Disabled

**Recommended Action** No action is required.

**Error Message** LACP-3-GENERAL\_ERROR Format: %s

**Explanation** general error

**Recommended Action** No action is required.

**Error Message** LACP-5-SYSTEM\_PRIORITY\_CHANGED Format: LACP system priority changed from 0x%x to 0x%x

**Explanation** LACP system priority has been changed

**Recommended Action** No action is required.

**Error Message** LACP-5-PORT\_PRIORITY\_CHANGED Format: %s: LACP port priority changed from %d to %d

**Explanation** LACP port priority has been changed

**Recommended Action** No action is required.

**Error Message** LACP-3-PACKET\_TRANSMIT\_ERR Format: %s: Could not send LACP packet err=%d

**Explanation** There was an error in sending LACP packet

**Recommended Action** No action is required.

**Error Message** LACP-3-SYSTEM\_MAC\_ERR Format: %s: Could not get system mac[%s]

**Explanation** There was an error in acquiring system mac from VDC Mgr

**Recommended Action** No action is required.

**Error Message** LACP-3-SYN\_COLL\_DIS\_EN Format: %s [%s]: 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 aggregator

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_SUSPEND\_HALF\_DUPLEX\_PORT Format: Port %s is in half duplex mode. suspend port

**Explanation** LACP is not supported in half duplex mode. Suspend port

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_SUSPEND\_INDIVIDUAL Format: LACP port %s of port-channel %s not receiving any LACP BPDUs suspending (individual) port

**Explanation** LACP suspend individual ports

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_SUSPEND\_MINLINK Format: LACP port %s of port-channel %s is suspended as min-link requirement not met.

**Explanation** LACP suspend ports due to min-link

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_DOES\_NOT\_MEET\_MINLINK\_REQ Format: LACP port-channel %s 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.

**Error Message** LACP-5-LACP\_MEETS\_MINLINK\_REQ Format: LACP port-channel %s meets min-link requirement. Reint port-channel

**Explanation** LACP port-channel meets min-link requirement

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_UPGRADE\_READY\_SUCCESS Format: Upgrade ready successful.

**Explanation** Upgrade ready event is successful as all port channel members are in steady state.

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_UPGRADE\_READY\_FAILED Format: Upgrade ready failed.

**Explanation** Upgrade ready event failed because atleast one port channel member is in intermediate state.

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_REMOTE\_NOTIFY\_SUCCESS Format: Remote notify event.

**Explanation** Remote notify event was successful.

**Recommended Action** No action is required.

**Error Message** LACP-3-ALLOCFAIL Format: Failed to allocate memory in %s[%d] for size %d

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

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_INTERNAL\_ERROR Format: LACP internal error: %s

**Explanation** Internal error is encountered

**Recommended Action** No action is required.

**Error Message** LACP-3-ISTACKREGISTER Format: Failed to register istack - %s

**Explanation** Failed to register istack. [char] identifies the reason.

**Recommended Action** No action is required.

## LIBLTLMAP Messages

## LLDP Messages

**Error Message** LLDP-6-DETECT\_REMOTE\_CHANGE Format: Remote change detected on %s

**Explanation** Remote change detected on an interface

**Recommended Action** No action is required.

**Error Message** LLDP-3-DETECT\_MULTIPLE\_PEERS Format: Multiple peers detected on %s

**Explanation** Multiple peers detected on an interface

**Recommended Action** No action is required.

**Error Message** LLDP-3-INVALID\_LLDP\_RECEIVED Format: Received an invalid LLDP on %s

**Explanation** Received an invalid LLDP on an interface

**Recommended Action** No action is required.

**Error Message** LLDP-3-LLDP\_INTERNAL\_ERROR Format: LLDP internal error: %s

**Explanation** Internal error is encountered

**Recommended Action** No action is required.

**Error Message** LLDP-5-LLDP\_ENABLED Format: LLDP Enabled

**Explanation** LLDP Service Enabled

**Recommended Action** No action is required.

**Error Message** LLDP-5-LLDP\_DISABLED Format: LLDP Disabled

**Explanation** LLDP Service Disabled

**Recommended Action** No action is required.

**Error Message** LLDP-5-SERVER\_ADDED Format: Server with Chassis ID %s Port ID %s management address %s discovered on local port %s in vlan %d with enabled capability %s

**Explanation** A new peer is discovered

**Recommended Action** No action is required.

**Error Message** LLDP-5-SERVER\_REMOVED Format: Server with Chassis ID %s Port ID %s on local port %s has been removed

**Explanation** A peer is removed

**Recommended Action** No action is required.

**Error Message** LLDP-3-ALLOCFAIL Format: Failed to allocate memory in %s[%d] for size %d

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

**Recommended Action** No action is required.

**Error Message** LLDP-3-ISTACKREGISTER Format: Failed to register istack - %s

**Explanation** Failed to register istack. [char] identifies the reason.

**Recommended Action** No action is required.

## MCECM Messages

**Error Message** MCECM-3-VPCM\_INIT\_FAIL Format: vPC Manager Initialization Failed (%s)

**Explanation** vPCM Initialization failed. due to [chars]

**Recommended Action** No action is required.

**Error Message** MCECM-3-VPCM\_MTS\_ERR Format: %s

**Explanation** vPCM encountered an MTS error due to [chars]

**Recommended Action** No action is required.

**Error Message** MCECM-3-VPCM\_INTERNAL\_ERR Format: %s

**Explanation** vPCM encountered an internal error due to [chars]

**Recommended Action** No action is required.

**Error Message** MCECM-6-VPCM\_INTERNAL\_INFO Format: %s

**Explanation** vPCM got an internal info [chars]

**Recommended Action** No action is required.

**Error Message** MCECM-3-PEER\_UNREACHABLE Format: Remote Switch Unreachable

**Explanation** Peer unreachable

**Recommended Action** No action is required.

**Error Message** MCECM-6-VPC\_CFGD Format: vPC %d is configured

**Explanation** vPC is configured

**Recommended Action** No action is required.

**Error Message** MCECM-6-PEER\_VPC\_CFGD Format: peer vPC %d is configured

**Explanation** vPC is configured

**Recommended Action** No action is required.

**Error Message** MCECM-4-VPC\_DELETED Format: vPC %d is deleted

**Explanation** vPC configuration deleted

**Recommended Action** No action is required.

**Error Message** MCECM-4-PEER\_VPC\_DELETED Format: Peer vPC %d deleted

**Explanation** Peer vPC configuration deleted

**Recommended Action** No action is required.

**Error Message** MCECM-3-VPC\_PEER\_LINK\_BRINGUP\_FAILED Format: vPC peer-link bringup failed (%s)

**Explanation** vPC Peer-link bringup failed

**Recommended Action** No action is required.

**Error Message** MCECM-3-VPC\_BRINGUP\_FAILED Format: vPC %d bringup failed (%s)

**Explanation** vPC bringup failed

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_PEER\_LINK\_UP Format: vPC Peer-link is up

**Explanation** vPC Peer-link is up

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_UP Format: vPC %d is up

**Explanation** MCEC is UP

**Recommended Action** No action is required.

**Error Message** MCECM-6-PEER\_VPC\_UP Format: Peer vPC %d is up

**Explanation** Peer vPC is up

**Recommended Action** No action is required.

**Error Message** MCECM-3-VPC\_PEER\_LINK\_DOWN Format: VPC Peer-link is down

**Explanation** vPC Peer link is down

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_DOWN Format: vPC %d is down (%s)

**Explanation** vPC is down (reason)

**Recommended Action** No action is required.

**Error Message** MCECM-6-PEER\_VPC\_DOWN Format: Peer vPC %d is down (%s)

**Explanation** Peer vPC is down

**Recommended Action** No action is required.

**Error Message** MCECM-6-PEER\_VPC\_CFGD\_VLANS\_CHANGED Format: Peer vPC %d configured vlans changed

**Explanation** Remote MCEC configured vlans Changed

**Recommended Action** No action is required.

**Error Message** MCECM-4-VPC\_ROLE\_CHANGE Format: In domain %d, VPC role status has changed to %s

**Explanation** vPC role status changed to (Primary/Secondary)

**Recommended Action** No action is required.

**Error Message** MCECM-6-VPC\_DOMAIN\_ID\_CFGD Format: vPC domain-id configured to %d

**Explanation** vPC domain-id configured

**Recommended Action** No action is required.

**Error Message** MCECM-5-ROLE\_PRIORITY\_CFGD Format: In domain %d, vPC role priority changed to %d

**Explanation** role priority configured

**Recommended Action** No action is required.

**Error Message** MCECM-5-SYSTEM\_MAC\_CFGD Format: In domain %d, vPC system-mac changed to %s

**Explanation** system mac configured

**Recommended Action** No action is required.

**Error Message** MCECM-5-SYSTEM\_PRIO\_CFGD Format: In domain %d, vPC system priority changed to %d

**Explanation** system priority changed

**Recommended Action** No action is required.

**Error Message** MCECM-5-GLOBAL\_CONSISTENCY\_SUCCESS Format: In domain %d, global configuration is consistent

**Explanation** global compat-check passed

**Recommended Action** No action is required.

**Error Message** MCECM-3-GLOBAL\_CONSISTENCY\_FAILED Format: In domain %d, global configuration is not consistent (%s)

**Explanation** global compat-check failed

**Recommended Action** No action is required.

**Error Message** MCECM-5-INTF\_CONSISTENCY\_SUCCESS Format: In domain %d, vPC %d configuration is consistent

**Explanation** vPC configuration is consistent

**Recommended Action** No action is required.

**Error Message** MCECM-3-INTF\_CONSISTENCY\_FAILED Format: In domain %d, VPC %d configuration is not consistent (%s)

**Explanation** MCEC compat-check failed

**Recommended Action** No action is required.

**Error Message** MCECM-2-VPC\_SUSP\_ALL\_VPC Format: Peer-link going down, suspending all vPCs on secondary

**Explanation** peer link down suspend vPCs

**Recommended Action** No action is required.

**Error Message** MCECM-2-PEER\_VPC\_RESP\_TIMEDOUT Format: Failed to receive response from peer for vPC: %d

**Explanation** vPC bringup failed

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_RESTORE\_TIMER\_START Format: vPC restore timer started to reinit vPCs

**Explanation** vPC restore timer start

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_RESTORE\_TIMER\_EXPIRED Format: vPC restore timer expired, reinitiating vPCs

**Explanation** vPC restore timer expired

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_DELAY\_SVI\_BUP\_TIMER\_START Format: vPC restore, delay interface-vlan bringup timer started

**Explanation** vPC delay interface-vlan restore timer start

**Recommended Action** No action is required.

**Error Message** MCECM-5-VPC\_DELAY\_SVI\_BUP\_TIMER\_EXPIRED Format: vPC restore, delay interface-vlan bringup timer expired, reinitiating interface-vlans

**Explanation** vPC delay interface-vlan restore timer expired

**Recommended Action** No action is required.

**Error Message** MCECM-4-VPC\_REINITIALIZED Format: Reinitializing vpcs assuming peer dead

**Explanation** Initializing vpcs assuming peer dead

**Recommended Action** No action is required.

**Error Message** MCECM-6-VPC\_CONSISTENCY\_CHECK\_BYPASS Format: Bypassing consistency check for vPC: %d

**Explanation** Bypassing consistency check for vpcs

**Recommended Action** No action is required.

**Error Message** MCECM-6-VPC\_CONSISTENCY\_NEW\_VLAN\_PASS Format: 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.

**Error Message** MCECM-4-VPC\_CONSISTENCY\_NEW\_VLAN\_FAIL Format: 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.

**Error Message** MCECM-6-VPC\_PER\_VLAN\_CONSISTENCY\_PASSED Format: 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.

**Error Message** MCECM-4-VPC\_PER\_VLAN\_CONSISTENCY\_FAILED Format: 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.

**Error Message** MCECM-2-VPC\_GRACEFUL\_SUSP\_ALL\_VPC Format: Operational graceful type-1 check state changed, reinitiating all vPCs

**Explanation** graceful state change, reinit vPCs

**Recommended Action** No action is required.

**Error Message** MCECM-2-VPC\_PSS\_ERROR Format: %s, 0x(%x) 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.

## MCP Messages

**Error Message** MCP-3-MCP\_MSTP\_REGION\_MISCONFIG Format: MCP MSTP Region with Name [%s], Revision [%d] not found

**Explanation** MCP MSTP region misconfiguration

**Recommended Action** No action is required.

**Error Message** MCP-3-MCP\_RSTP\_MISCONFIG Format: MCP intf 0x%x native vlan unset

**Explanation** MCP RSTP misconfiguration

**Recommended Action** No action is required.

**Error Message** MCP-3-ALLOCFAIL Format: Failed to allocate memory in %s[%d] for size %d

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

**Recommended Action** No action is required.

**Error Message** MCP-3-MCP\_INTERNAL\_ERROR Format: MCP internal error: %s

**Explanation** Internal error is encountered

**Recommended Action** No action is required.

**Error Message** MCP-3-ISTACKREGISTER Format: Failed to register istack - %s

**Explanation** Failed to register istack. [char] identifies the reason.

**Recommended Action** No action is required.

## MFDM Messages

**Error Message** MFDM-2-INTERNAL\_ERROR Format: MFDM-%s Internal error : show system internal mfdm errors for more information

**Explanation** MFDM PD hit a internal error. show system internal mfdm errors for futher analysis.

**Recommended Action** No action is required.

**Error Message** MFDM-2-DOWNLOAD\_TIMEOUT Format: Download of L2/L3 route databases timed out : download\_in\_progress\_slots 0x%x for database %s %s %s

**Explanation** Download of L2/L3 route databases timed out. Download triggered by VMM insert request.

**Recommended Action** No action is required.

**Error Message** MFDM-2-DI\_REUSE Format: LTL node exists with DI %d oiflist\_index %d type %d and same DI returned for oiflist\_index %d type %d Please collect show tech-support forwarding distribution l2/l3 multicast and show tech-support pixm.

**Explanation** PIXM returned duplicate DI.

**Recommended Action** No action is required.

**Error Message** MFDM-2-REF\_OUTOFSYNC Format: In Decrement ltl\_node ref\_count: %d is less than count: %d passed in for DI: 0x%x, oiflist\_index: %d, type: %d. 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.

## MRIB Messages

**Error Message** MRIB-6-USAGE Format: Usage: mrib [-h] [-d] [-m <memory-in-mb>]

**Explanation** Usage for starting MRIB process.

**Recommended Action** No user action is required.

**Error Message** MRIB-6-MEMORY\_OPTION Format: memory size must be >= 16MB and <= 2GB

**Explanation** Invalid memory size specified for MRIB process.

**Recommended Action** No user action is required.

**Error Message** MRIB-6-SHUTDOWN Format: Shutting down MRIB process

**Explanation** MRIB process is shutting itself down.

**Recommended Action** No user action is required.

**Error Message** MRIB-6-SHUTDOWN\_FAILED Format: Shutting down of MRIB process failed: %s

**Explanation** MRIB process is shutting itself down.

**Recommended Action** No user action is required.

**Error Message** MRIB-2-STARTUP\_FAILURE Format: Startup failure: %s

**Explanation** An unrecoverable software error has occurred during MRIB startup.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** MRIB-2-RES\_MGR Format: Error returned from %s for %d keys, errno: 0x%08x (%s) in %s(). Current reservation is %d, new size is %d

**Explanation** The resource manager returned an error to MRIB, while MRIB was performing an action relating to its shared memory

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** MRIB-2-API\_INIT\_SEM Format: Failed to init the client API semaphore: %s, create: %s

**Explanation** MRIB could not create the semaphore that protects access to the shared memory between MRIB and its clients.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** MRIB-3-NO\_SET\_PRIORITY Format: Failed to set policy or priority

**Explanation** MRIB process could not set itself process priority, exiting.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-INIT\_SDB Format: %s Return Code: 0x%x Error String: %s

**Explanation** SDB initialization failed

**Recommended Action** No user action is required.

**Error Message** MRIB-3-OPCODE\_REGISTER Format: %s opcode: 0x%x ErrorString: %s

**Explanation** Opcode registration failed

**Recommended Action** No user action is required.

**Error Message** MRIB-3-UNKNOWN\_URIB Format: Received unknown URIB message type: %d

**Explanation** MRIB process received unknown message from URIB, dropped.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-UNKNOWN\_MRIB\_MINOR Format: mrib\_main(): unknown minor mtype: %d

**Explanation** MRIB process received unknown Interprocess message, dropped.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-UNKNOWN\_MRIB\_MAJOR Format: mrib\_main(): unknown major mtype: %d

**Explanation** MRIB process received unknown Interprocess message, dropped.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-UNKNOWN\_MFDM\_OPC Format: mrib\_mfdm\_main(): received unknown opcode %d

**Explanation** MRIB process received unknown Interprocess message from MFDM, dropped.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MALLOC\_FAILED Format: %s failed for %s

**Explanation** MRIB process is out of free memory.

**Recommended Action** Configure the network or router to decrease the number of routes.

**Error Message** MRIB-3-BITFIELD\_FAILED Format: %s failed in %s

**Explanation** MRIB process could not execute the bitfield operation.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-NO\_MPIB Format: Unable to get mpib index in mrib\_register\_internal()

**Explanation** MRIB process cannot register the protocol as it has run out of PIB indices.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-NO\_TIMER Format: Could not create stale timer for %s"

**Explanation** MRIB process cannot stale the routes for this proctol.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-PT\_FAILED Format: %s failed in %s

**Explanation** MRIB process failed to update route-table for this event.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-INHERIT\_FAILED Format: mrib\_inherit\_oifs(): bitfield is set but oif doesn't exist

**Explanation** MRIB process failed in inheriting OIFs for the (S,G) from (\*,G).

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NO\_GROUP Format: Unable to create group entry for %s

**Explanation** MRIB process unable to create the route entry in its route-table.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NO\_SOURCE Format: Unable to create source entry for %s

**Explanation** MRIB process unable to create the route entry in its route-table.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NO\_MPIB\_FOR\_ROUTE Format: Unable to creates mpib entry for %s for mpib %s in VRF %s

**Explanation** MRIB process unable to create the route entry in its route-table.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NO\_FREE\_SOURCE Format: Unable to free source entry for %s

**Explanation** MRIB process unable to delete a route-table entry.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NO\_FREE\_GROUP Format: Unable to free group entry for %s

**Explanation** MRIB process unable to delete a route-table entry.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MQ\_FAILED Format: %s failed in %s, errno: %s, for %s

**Explanation** MRIB process failed to access the message-queue.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MTS\_FAILED Format: %s failed in %s, errno: %s, for %s

**Explanation** MRIB process failed to access the mts-queue.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-SM\_FAILED Format: %s failed in %s for segment %s, errno: %s

**Explanation** MRIB process failed to access the System shared memory resource.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-API\_FAILED Format: %s failed

**Explanation** MRIB process failed in invoking an API.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MDT\_API\_FAILED Format: %s failed in %s

**Explanation** MRIB process failed in invoking an API.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-INVALID\_GROUP Format: Operation for invalid group %s received in %s

**Explanation** MRIB process received invalid group.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-RDLOCK\_ASSERT Format: %s:%d: Assert, read-lock not acquired

**Explanation** Caller Failed to get MRIB Shared Memory read lock

**Recommended Action** No user action is required.

**Error Message** MRIB-3-WRLOCK\_ASSERT Format: %s:%d: Assert, write-lock not acquired

**Explanation** Caller Failed to get MRIB Shared Memory write lock

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MUTEX\_INIT Format: Couldn't init mutex %s

**Explanation** MRIB process failed to initialize mutex system resource.

**Recommended Action** Dump core, then restart component.

**Error Message** MRIB-3-CV\_INIT Format: Couldn't init cond var %s

**Explanation** MRIB process failed to initialize conditional-variable resource.

**Recommended Action** Dump core, then restart component.

**Error Message** MRIB-3-FTM\_NO\_XID Format: Cannot find FTM buffer, xid: %d

**Explanation** MRIB process could not match the sequence number for FTM message, ignored.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MFDM\_NO\_BUF Format: Cannot find MFDM buffer from route-ack for context %s, table-id 0x%08lx

**Explanation** MRIB process could not find a route buffer in its queue from the MFDM message, ignored.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-FTM\_BAD\_MINOR Format: Unknown FTM mtype: 0x%4x

**Explanation** MRIB process received unsupported message type from FTM, ignored.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-FTM\_BAD\_METER Format: %s failed for meter %s in %s

**Explanation** MRIB process failed to configure the multicast meter.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MRIB\_ALREADY\_UP Format: mrib already running, exiting

**Explanation** Another MRIB process is already running, this process will shutdown.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-TIMER\_FAILED Format: could not %s

**Explanation** MRIB process failed to configure a timer event.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-ACTIVE\_TIMER\_FAILED Format: active\_timer\_create() failed for mrib\_main()

**Explanation** MRIB process failed to create a timer.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-PTHREAD\_FAILED Format: pthread\_create() failed for mrib\_main()

**Explanation** MRIB process failed to create a task thread.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-CONTEXT\_BF\_FAILED Format: bitfield\_create() failed for context %s

**Explanation** MRIB process failed to create a bitfield for mrib\_cibtype.

**Recommended Action** Dump core, then reload the stack.

**Error Message** MRIB-3-PSS Format: Error returned from %s, errno: 0x%08x (%s) in %s()

**Explanation** MRIB called a PSS API which returned an error. The error reported should be examined for the cause.

**Recommended Action** ERRMSG

**Error Message** MRIB-3-KSINK\_LIB\_ERROR Format: %s %s

**Explanation** A severe error was encountered during ksink operations.

**Recommended Action** No action is required.

**Error Message** MRIB-5-RES\_MGR\_CHANGE Format: Changed m4route-mem from (%d, %d) to (%d, %d)

**Explanation** The requested limit-resource command was adapted to fit the limits in this version.

**Recommended Action** No user action is required.

**Error Message** MRIB-5-API\_INIT\_SEM\_CLEAR Format: Cleared the API semaphore from %d

**Explanation** The API semaphore was in an unexpected state, and was restored to a correct value.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MTS\_SHORT\_MSG\_ERROR Format: Received short (%d < %d) MTS message on %s queue with opcode %d, dropping it

**Explanation** MRIB received an unknown message. The message is dropped

**Recommended Action** No user action is required.

**Error Message** MRIB-3-MTS\_NO\_PAYLOAD\_ERROR Format: Received MTS message with no payload on %s queue with opcode %d, dropping it

**Explanation** MRIB received an unknown message. The message is dropped

**Recommended Action** No user action is required.

**Error Message** MRIB-3-TXLIST\_CREATE Format: Couldn't create txlist for %s in VRF:%s

**Explanation** MRIB failed to create txlist resource.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NO\_MARKER Format: Unable to find the txlist marker for VRF:%s for the client: %s

**Explanation** MRIB failed to find txlist resource.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-NOTIFY\_BUF\_FAILED Format: Unable to create notification buffer's for client %s, aborting registration.

**Explanation** MRIB failed to create notification buffer for a client

**Recommended Action** No user action is required.

**Error Message** MRIB-3-CONF\_CHECK Format: Failed to %s MRIB confcheck capability with error: %s

**Explanation** MRIB failed to update config check capability in the system

**Recommended Action** No user action is required.

**Error Message** MRIB-3-SYSMGR\_DISPATCH Format: Error returned from sysmgr\_dispatch(), errno: %s

**Explanation** MRIB called a System Manager API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** MRIB-3-MTS\_BIND Format: Error returned from mts\_bind() for %s mts queue, errno: %s

**Explanation** MRIB called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** MRIB-3-MTS\_RECV Format: Error returned from mts\_recv(), errno: %s

**Explanation** MRIB called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** MRIB-3-MTS\_DROP Format: Error returned from mts\_drop(), errno: %s

**Explanation** MRIB called a MTS API which returned an error.

**Recommended Action** Dump core, then restart component.

**Error Message** MRIB-3-LIB\_MTS\_FAILED Format: %s failed in %s, errno: %s, for %s

**Explanation** Failure in MRIB library to access mts-queue

**Recommended Action** No user action is required.

**Error Message** MRIB-3-LIB\_SM\_FAILED Format: %s failed to access MRIB shared memory in %s, errno: %s

**Explanation** Process failed to access the System shared memory resource.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-LIB\_API\_FAILED Format: %s failed in %s

**Explanation** Process failed in invoking an API.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-LIB\_DUP\_REGISTER Format: mrib\_register(): duplicate register by %s "

**Explanation** Dupilcate registration request to the MRIB process, ignored.

**Recommended Action** No user action is required.

**Error Message** MRIB-3-LIB\_SEM\_OP Format: %s:%d: semaphore operation %s failed

**Explanation** Caller failed to get perform an operation on the MRIB semaphore

**Recommended Action** No user action is required.

**Error Message** MRIB-3-LIB\_SEM\_INVALID Format: %s:%d: semaphore invalid in %s

**Explanation** MRIB semaphore was found to be invalid when performing a semaphore operation

**Recommended Action** No user action is required.

## MVDXN Messages

## OBFL\_DAEMON Messages

## OSPF Messages

**Error Message** OSPF-6-START Format: Starting OSPF %s, %s

**Explanation** OSPF process is starting due to the specified reason.

**Recommended Action** No user action is required.

**Error Message** OSPF-5-ADJCHANGE Format: Nbr %s on %s went %s

**Explanation** An OSPF neighborhood has just been established. Or a neighborhood has just been shutdown.

**Recommended Action** No user action is required.

**Error Message** OSPF-5-NBRSTATE Format: Process %s, Nbr %s on %s from %s to %s, %s

**Explanation** An OSPF neighbor has just changed state.

**Recommended Action** No user action is required.

**Error Message** OSPF-4-CLEANUP Format: OSPF is exiting, reason %s(0x%x)

**Explanation** OSPF has been deconfigured or restarted.

**Recommended Action** No user action is required.

**Error Message** OSPF-6-SHUTDOWN\_REQUEST\_FAIL Format: OSPF shutdown request failed, %s

**Explanation** OSPF request to system manager for permission to shutdown was turned down.

**Recommended Action** No user action is required.

**Error Message** OSPF-6-DECONFIG\_SHUTDOWN Format: OSPF shutting self down via deconfiguration

**Explanation** OSPF process is shutting itself down due to the deconfiguration command.

**Recommended Action** No user action is required.

**Error Message** OSPF-4-RESTART\_SHUTDOWN Format: OSPF shutting self down via restart command

**Explanation** OSPF process is shutting itself down due to the restart command.

**Recommended Action** No user action is required.

**Error Message** OSPF-6-UNKNOWN\_SHUTDOWN Format: OSPF shutting self down due to unknown reason

**Explanation** OSPF process is shutting itself down due to unknown reason.

**Recommended Action** No user action is required.

**Error Message** OSPF-4-DUPRID Format: Router %s on interface %s is using our routerid, packet dropped

**Explanation** Two routers are configured with the same router ID.

**Recommended Action** Check all routers on the indicated interface for misconfigurations.

**Error Message** OSPF-4-SELF\_LSA Format: context %s: %s

**Explanation** Router received a newer copy of an LSA generated by itself. Two routers may be configured with the same router ID or a router which was disconnected from the network has come back.

**Recommended Action** Verify if the router ID for the router is unique in the network.

**Error Message** OSPF-1-LOWMEM Format: Low memory condition: %s

**Explanation** The router did not have enough memory to store certain data structures.

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

**Error Message** OSPF-1-NOMEM Format: Malloc (%ld bytes) failed for: %s

**Explanation** The router did not have enough memory to store mentioned data structures.

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

**Error Message** OSPF-1-SLABS Format: Could not create %s slabs

**Explanation** The router did not have enough memory to reserve space in advance for certain slab data structures.

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

**Error Message** OSPF-3-SMALLBUF Format: %s packet doesn't fit in buffer (packet %d/buffer %d)

**Explanation** The router has allocated a packet buffer that was too small.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-ROUTEDEL Format: Route deletion %s/%d failed

**Explanation** Internal Error.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-INVALID\_TLV Format: Found corrupted TLV, LSA %s

**Explanation** Error while parsing TLV.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-MIB\_FAIL Format: Failed to %s the MIB with status as %s

**Explanation** Error while loading or unloading the MIB.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-SNMP\_FAIL Format: Failed to %s the SNMP with status as %s

**Explanation** Error while registering or deregistering with SNMP.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-SNMP\_SAP\_FAIL Format: Failed to %s the SNMP SAP with status as %s

**Explanation** Error while registering or deregistering with SNMP SAP.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-MAXLSAS Format: Maximum number of LSAs in domain has been reached

**Explanation** The OSPF domain contains more LSAs than this router can store.

**Recommended Action** Redesign the network to redistribute less external routes into the OSPF domain.

**Error Message** OSPF-3-MAXIFS Format: Exceeded the limit on interfaces per area [i.e %d]

**Explanation** Restricting the number of interfaces per area to avoid problems during lsa generation.

**Recommended Action** Reduce the number of interfaces per area.

**Error Message** OSPF-1-INIT Format: Unable to %s %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-1-STARTTHREAD Format: Unable to start thread %s (%d), error %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-1-MCASTJOIN Format: Unable to join %s group on interface %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-1-MCASTLEAVE Format: Unable to leave %s group on interface %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-1-TIMER Format: Unable to create %s timer on interface %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-1-MQSEND Format: Unable to send message %s to %s

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-3-HEAPSIZE Format: Error increasing heap size to %d, error %d

**Explanation** Reduced heap size will limit the LSDB size.

**Recommended Action** No user action is required.

**Error Message** OSPF-1-TAG Format: Unable to retrieve service tag on %s supervisor

**Explanation** ERRMSG\_SW\_ERROR\_EXPL

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** OSPF-3-UNKNOWN SIG Format: Received unknown signal: %d

**Explanation** An unexpected software interrupts was received.

**Recommended Action** No user action is required.

**Error Message** OSPF-4-INVALIDOUT Format: Trying to send packet with packettype %d to %s on %s

**Explanation** The router tried to send unknown OSPF packet.

**Recommended Action** No user action is required.

**Error Message** OSPF-3-UNAWAKABLE Format: Trying to awake unawakable thread %s

**Explanation** Thread cannot be wokenup at this time

**Recommended Action** No user action is required.

**Error Message** OSPF-4-WRONGQ Format: Found wrong type of packet (%d) on internal %s queue

**Explanation** Did not expect the specified packet type on the given incoming message queue

**Recommended Action** No user action is required.

**Error Message** OSPF-4-AF\_NO\_FUNC Format: Function %s not supported by OSPF version %s

**Explanation** Function is not specified for the current address family

**Recommended Action** No user action is required.

**Error Message** OSPF-3-CTX Format: Error in subrouter context %s: %s

**Explanation** Error related to multiple subrouters and contexts

**Recommended Action** No action is required.

**Error Message** OSPF-3-CTX\_IF Format: Error in subrouter context for interface %s: %s

**Explanation** Error related to interface context

**Recommended Action** No action is required.

**Error Message** OSPF-3-MTS\_BIND Format: Error returned from mts\_bind(), errno: %s

**Explanation** OSPF called a MTS API which returned an error.

**Recommended Action** No action is required.

**Error Message** OSPF-6-MTS\_UNKNOWN\_MSG Format: Received unknown MTS message with opcode %d, dropping it

**Explanation** OSPF recieved an unknown MTS message. The message will be dropped

**Recommended Action** No action is required.

**Error Message** OSPF-3-MTS\_RECV Format: Error returned from tsp\_mts\_recv(), errno: %s

**Explanation** OSPF called a MTS API which returned an error.

**Recommended Action** No action is required.

**Error Message** OSPF-3-MTS\_DROP Format: Error returned from mts\_drop(), errno: %s

**Explanation** OSPF called a MTS API which returned an error.

**Recommended Action** No action is required.

**Error Message** OSPF-3-PSS\_READ Format: PSS read for %s information failed

**Explanation** OSPF called an PSS API which returned an error.

**Recommended Action** No action is required.

**Error Message** OSPF-3-TLV\_INTF Format: Failed to convert to %s for %s

**Explanation** OSPF called an TLV intf which returned an error.

**Recommended Action** No action is required.

**Error Message** OSPF-3-MTS\_NOTIFY Format: Error returned from mts\_send\_notify(),  
errno: %s

**Explanation** OSPF called a MTS API which returned an error.

**Recommended Action** No action is required.

**Error Message** OSPF-3-CMI\_ERR Format: CMI error: %s.

**Explanation** CMI returned an error

**Recommended Action** No user action is required.

**Error Message** OSPF-3-CMI\_NO\_VRF\_ERR Format: CMI error: No %s VRF information found

**Explanation** CMI returned an error

**Recommended Action** No user action is required.

**Error Message** OSPF-4-IF\_ERR Format: Packet from %s received on %s interface %s

**Explanation** A OSPF packet not belonging to this interface was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-PKTLEN\_ERR Format: Packet received from %s on %s has length %d  
which is less than %s %d

**Explanation** A OSPF packet with invalid length was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-AREA\_ERR Format: Packet from %s on %s received for wrong area %s

**Explanation** A OSPF packet not belonging to this area was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-PKTTYPER\_ERR Format: Unknown type %d received from %s on %s

**Explanation** A OSPF packet with incorrect packet type was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-VERSION\_ERR Format: Bad ospf version %d received from %s on %s

**Explanation** A OSPF packet with incorrect version number was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-SOURCE\_ERR Format: Bad source address %s - ours on %s

**Explanation** A OSPF packet with our own source address was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-SRC\_INVALID Format: Invalid src address %s, should not be seen on %s

**Explanation** A OSPF packet packet with source address not on this network was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-CKSM\_ERR Format: Bad OSPF checksum in packet %hx computed %hx from %s on %s

**Explanation** A OSPF packet with invalid checksum was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-AUTH\_ERR Format: Received packet from %s on %s with bad authentication %hx

**Explanation** A OSPF packet with mismatched authentication type was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-NEIGH\_ERR Format: Neighbor %s not found, packet dropped

**Explanation** A non-hello OSPF packet with no neighbor was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-SRC\_MCAST Format: Bad source address %s - multicast on %s

**Explanation** A OSPFv3 packet with muticast source address was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-DEST\_INVALID Format: Bad destination address %s

**Explanation** A OSPFv3 packet with muticast source address was received

**Recommended Action** No action is required.

**Error Message** OSPF-4-REDIST\_MAX\_PFX Format: Redistribution prefix limit has been reached - %d prefixes

**Explanation** Check if redistribution of large number of prefixes is desired and has not been configured by mistake

**Recommended Action** No action is required.

**Error Message** OSPF-4-REDIST\_THR\_PFX Format: Redistribution prefix threshold has been reached - %d prefixes

**Explanation** Check if redistribution of large number of prefixes is desired and has not been configured by mistake

**Recommended Action** No action is required.

**Error Message** OSPF-2-REDIST\_VPN Format: Received VPN routes without extended community for %s/%d

**Explanation** An internal error

**Recommended Action** No action is required.

**Error Message** OSPF-3-IF\_INVALID Format: Unable to find interface %s

**Explanation** OSPF could not find an interface

**Recommended Action** No action is required.

**Error Message** OSPF-3-SET\_OVERLOAD Format: Setting overload state for %s

**Explanation** OSPF sets the configuration to sends the LSAs with max-metric cost

**Recommended Action** No action is required.

**Error Message** OSPF-3-CLEAR\_OVERLOAD Format: Clearing overload state for %s

**Explanation** OSPF resets the configuration to sends the LSAs with normal cost

**Recommended Action** No action is required.

## OSPF Messages

## PLTFM\_MGR Messages

**Error Message** PLATFORM-0-SUP\_WRONGSLOTNUM Format: Supervisor powered up in WRONG SLOT:%d (Serial number %s)

**Explanation** The supervisor is coming up in wrong slot [decimal digit].

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_PASS Format: Chassis IDPROM %d data re-initialized successfully

**Explanation** Chassis IDPROM [decimal digit] invalid data was successfully re-initialized to valid.

**Recommended Action** Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and verify the information.

**Error Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_FAIL Format: Chassis IDPROM %d 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 'show sprom module [decimal digit] 1' to read module IDPROM contents and collect more information.

**Error Message** PLATFORM-5-PS\_FOUND Format: Power supply %d found (Serial number %s)

**Explanation** Power Supply is detected.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_DETECT Format: Power supply %d detected but shutdown (Serial number %s)

**Explanation** Power Supply is detected but shutdown.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-5-PS\_STATUS Format: PowerSupply %d current-status is %s %s

**Explanation** module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_REMOVE Format: Power supply %d removed (Serial number %s)

**Explanation** Power Supply is removed.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_OK Format: Power supply %d ok (Serial number %s)

**Explanation** Power Supply is ok.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_UNSUPPORTED Format: Detected an unsupported power supply %d %s for CISCO Multilayer Switch (Serial number %s)

**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.

**Error Message** PLATFORM-5-FAN\_DETECT Format: Fan module %d (Serial number %s) %s detected

**Explanation** Fan module is detected

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FAN\_STATUS Format: Fan module %d (Serial number %s) %s current-status is %s

**Explanation** Fan module changed status

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-FAN\_REMOVED Format: Fan module %d (Serial number %s) %s removed

**Explanation** Fan module is removed

**Recommended Action** No action is required.

**Error Message** PLATFORM-0-SYS\_SHUTDOWN Format: System shutdown in %d 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 env temperature' to collect more information.

**Error Message** PLATFORM-0-SYS\_LC\_DRIVER\_LOAD\_FAILED Format: Failed to load linecard module drivers

**Explanation** failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image.

**Error Message** PLATFORM-2-PFM\_SYSTEM\_SHUTDOWN\_TRIGGER Format: System shutdown due to %s policy trigger)msgdef\_explanation("Policy/trigger initiated a system shutdown "

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_SYSTEM\_RESET Format: Manual system restart from Command Line Interface)msgdef\_explanation("User initiated a system reload from the CLI"

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF Format: Manual power-off of %s from Command Line Interface)msgdef\_explanation("User initiated a module power-off from the CLI"

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_POWER\_ON Format: Manual power-on of %s from Command Line Interface)msgdef\_explanation("User initiated a module power-on from the CLI"

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF\_TRIGGER Format: Power-off %s due to %s policy trigger )msgdef\_explanation("Policy trigger initiated a module poweroff"

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_RESET Format: Manual restart of Module %d from Command Line Interface)msgdef\_explanation("User initiated a module reload from the CLI"

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_XBAR\_RESET Format: Manual restart of Xbar %d from Command Line Interface)msgdef\_explanation("User initiated a xbar reload from the CLI"

**Recommended Action** None

**Error Message** PLATFORM-3-EJECTOR\_STAT\_CHANGED Format: Ejectors' status in slot %d has changed, %s Ejector is %s, %s Ejector is %s)msgdef\_explanation("Ejector status has changed")

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_PREP\_DEEP\_SLEEP Format: Supervisor module in slot %d 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.

**Error Message** PLATFORM-2-MEMORY\_ALERT\_RECOVERED Format: Memory Status Alert : %s)msgdef\_explanation("Memory alert event received ")

**Recommended Action** None

**Error Message** PLATFORM-2-MEMORY\_ALERT Format: Memory Status Alert : %s. Usage %s%% of Available Memory)msgdef\_explanation("Memory alert event received ")

**Recommended Action** None

**Error Message** PLATFORM-1-PFM\_ALERT Format: %s

**Explanation** Platform Alert

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_FAN\_DETECT Format: Fex %d Fan Module %d detected

**Explanation** Fex Fan module is detected

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_FAN\_REMOVE Format: Fex %d Fan Module %d removed

**Explanation** Fex Fan module is removed

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_PS\_FOUND Format: Fex %d Power Supply %d found (Serial number %s)

**Explanation** Fex power supply is found

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_PS\_REMOVE Format: Fex %d Power Supply %d removed (Serial number %s)

**Explanation** Fex power supply is removed

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-SUP\_UNSUPPORTED Format: Unsupported card detected in supervisor slot %d powered down

**Explanation** The module in slot [decimal digit] has been powered down.

**Recommended Action** No action is required.

## PFMCLNT Messages

## PIXM Messages

**Error Message** PIXM-2-PIXM\_SYSLOG\_MESSAGE\_TYPE\_CRIT Format: %s

**Explanation** PIXM has encountered a critical error

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

**Error Message** PIXM-3-PIXM\_SYSLOG\_MESSAGE\_TYPE\_ERR Format: %s

**Explanation** PIXM has encountered an error

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

**Error Message** PIXM-4-PIXM\_SYSLOG\_MESSAGE\_TYPE\_WARNING Format: %s

**Explanation** PIXM has encountered a warning-level error

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

**Error Message** PIXM-7-PIXM\_SYSLOG\_MESSAGE\_TYPE\_DEBUG Format: %s

**Explanation** This is a debug output from PIXM

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

## POLICY\_MGR Messages

**Error Message** POLICY\_MGR-6-POLICY\_MGR\_PPF\_NOTIF Format: PPF notification: %s

**Explanation** The PPF generated notification

**Recommended Action** No action is required.

**Error Message** POLICY\_MGR-4-POLICY\_MGR\_PPF\_WARNING Format: PPF warning: %s

**Explanation** The PPF generated warning

**Recommended Action** No action is required.

**Error Message** POLICY\_MGR-3-POLICY\_MGR\_PPF\_ERROR Format: PPF error: %s

**Explanation** The PPF generated error

**Recommended Action** No action is required.

## RPM Messages

**Error Message** RPM-3-INT\_ERROR Format: %s in %s()

**Explanation** RPM encountered an error during internal processing

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

**Error Message** RPM-7-INFRA\_SYSEERR Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** RPM called an infra API which returned 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.

**Error Message** RPM-2-PTHREAD Format: %s failed with error - %d in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-2-PSS\_SYNC\_BUFFER Format: Crossed pss sync buffer size limit of %d with payload size %d - in %s()

**Explanation** RPM tried to PSS sync a message exceeding the maximum allowed size

**Recommended Action** No action is required.

**Error Message** RPM-6-RESTART\_SHUTDOWN Format: RPM shutting self down via restart command in %s()

**Explanation** RPM process is shutting itself down due to the restart command.

**Recommended Action** No user action is required.

**Error Message** RPM-6-MTS\_UNKNOWN\_MSG Format: Received unknown MTS message with opcode %d, dropping it in %s()

**Explanation** RPM received an unknown message. The message is dropped

**Recommended Action** No user action is required.

**Error Message** RPM-3-MTS\_RECV Format: Error returned from tsp\_mts\_recv(), errno: %s (0x%08x) in %s()

**Explanation** An MTS API returned an error while RPM was receiving on an MTS queue

**Recommended Action** No user action is required.

**Error Message** RPM-3-MTS\_SEND Format: Error returned from mts\_send(), errno: %s (0x%08x) in %s()

**Explanation** An MTS API returned an error while RPM was sending an MTS message

**Recommended Action** No user action is required.

**Error Message** RPM-3-MTS\_DROP Format: Error returned from mts\_drop(), errno: %s (0x%08x) in %s()

**Explanation** An MTS API returned an error when RPM tried to drop a message

**Recommended Action** No user action is required.

**Error Message** RPM-3-ISSU\_PREUPG\_FAILED Format: ISSU Preupgrade failed

**Explanation** Please remove the incompatible RPM/PBR config and restart ISSU.

**Recommended Action** No user action is required.

**Error Message** RPM-2-SRV\_INIT\_API\_FAIL Format: %s failed during initialization in %s()

**Explanation** RPM called a server API during initialization which returned an error.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** RPM-2-PPF\_SES\_VERIFY Format: PPF session verify failed in client %s with an error 0x%08x(%s)

**Explanation** RPM encountered an error while pushing PBR policy changes during the verify stage to PBR clients

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

**Error Message** RPM-2-PPF\_SES\_COMMIT Format: PPF session commit failed in client %s with an error 0x%08x(%s)

**Explanation** RPM encountered a serious error while committing the verified PBR policy changes to PBR clients

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** RPM-2-PPF\_SES\_ABORT Format: PPF session abort failed in client %s with an error 0x%08x(%s)

**Explanation** RPM encountered an error during PPF abort operation.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** RPM-2-PPF\_SES\_RQST Format: PPF session request failed in client %s with an error 0x%08x(%s)

**Explanation** RPM encountered an error while requesting PBR statistics from PBR clients

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

**Error Message** RPM-2-MALLOC\_FAILED Format: malloc() failed for allocating %s in %s()

**Explanation** RPM process is out of heap memory

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** RPM-2-SMALLOC\_FAILED Format: smalloc() failed for allocating %s in %s()

**Explanation** RPM process is out of shared memory. This could be due to temporary increase in the number of policies configured to a very high value

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** RPM-7-API\_FAILED Format: %s - failed in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-7-API\_FAILED\_STR\_NUM Format: %s - failed for %s %d in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-7-API\_FAILED\_STR\_STR Format: %s - failed for %s %s in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-7-API\_FAILED\_STR Format: %s - failed for %s in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-7-API\_FAILED\_NUM Format: %s - failed for %d in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-3-LIC\_REG\_FAILED Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** Licensing API failed while registering for license change notifications.

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

**Error Message** RPM-3-LIC\_CHECKIN\_FAILED Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** Licensing API failed to check in a license.

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

**Error Message** RPM-3-LIC\_CHECKOUT\_FAILED Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** Licensing API failed to check out a license.

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

**Error Message** RPM-3-LOAD\_PARSE\_TREE Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** API failed to load parse tree for PBR commands.

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

**Error Message** RPM-3-UNLOAD\_PARSE\_TREE Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** API failed to unload parse tree for PBR commands.

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

**Error Message** RPM-3-BUILD\_LIC\_REQ Format: %s failed with error - %s (0x%08x) - in %s()

**Explanation** API failed to build a license request to recheckout a license.

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

**Error Message** RPM-7-LIB\_API\_FAILED Format: %s - failed in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-2-LIB\_MALLOC\_FAILED Format: malloc() failed for allocating %s in %s()

**Explanation** RPM API library is out of heap memory

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** RPM-7-LIB\_INT\_ERROR Format: %s in %s()

**Explanation** RPM API encountered an error during internal processing

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

**Error Message** RPM-7-LIB\_MTS\_SEND Format: Error returned from mts\_send(), errno: %s in %s()

**Explanation** An MTS API returned an error while RPM was sending an MTS message.

**Recommended Action** No user action is required.

**Error Message** RPM-7-LIB\_API\_FAILED\_STR Format: %s - failed for %s in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-7-LIB\_API\_FAILED\_NUM Format: %s - failed for %d in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-7-LIB\_API\_FAILED\_NUM\_NUM Format: %s - failed for %d %d in %s()

**Explanation** RPM invoked an API which failed. This is an unexpected but manageable event.

**Recommended Action** No user action is required.

**Error Message** RPM-6-LIB\_MATCH\_IGNORED Format: The command %s in seq. %u of route-map %s is ignored in %s()

**Explanation** A route-map match command has been ignored.

**Recommended Action** No user action is required.

**Error Message** RPM-7-LIB\_KEYCHAIN Format: Unexpected keychain result :%s

**Explanation** Unexpected result during RPM keychain API processing

**Recommended Action** No user action is required.

## RPM Messages

## SATMGR Messages

**Error Message** SATMGR-5-FEX\_PORT\_STATUS\_NOTI Format: Uplink-ID %d of Fex %d that is connected with %s changed its status from %s to %s

**Explanation** Fex [decimal-digit] changed port status

**Recommended Action** No action is required.

**Error Message** SATMGR-2-FEX\_PORT\_STATUS\_CRIT Format: Uplink-ID %d of Fex %d that is connected with %s changed its status from %s to %s

**Explanation** Fex [decimal-digit] changed port status

**Recommended Action** No action is required.

**Error Message** SATMGR-5-PINNING\_CHANGED Format: Fex %d pinning information is changed

**Explanation** Fex pinning information changed

**Recommended Action** No action is required.

**Error Message** SATMGR-5-FEX\_ENABLED Format: FEX Enabled

**Explanation** FEX Service Enabled

**Recommended Action** No action is required.

**Error Message** SATMGR-5-FEX\_DISABLED Format: FEX Disabled

**Explanation** FEX Service Disabled

**Recommended Action** No action is required.

**Error Message** SATMGR-5-SATMGR\_DISABLE\_FAILED Format: Disabling of feature FEX failed. Please remove FEX related configs from interfaces

**Explanation** Disabling of FEX feature failed

**Recommended Action** No action is required.

**Error Message** SATMGR-2-FEX\_NOT\_ONLINE\_SUP\_ISSU Format: FEX %d did not come online after SUP ISSU

**Explanation** FEX did not come online after sup ISSU

**Recommended Action** No action is required.

**Error Message** SATMGR-2-FEX\_ONLINE Format: FEX %d has come ONLINE

**Explanation** FEX has come ONLINE

**Recommended Action** No action is required.

**Error Message** SATMGR-2-FEX\_OFFLINE Format: FEX %d has gone OFFLINE

**Explanation** FEX has gone OFFLINE

**Recommended Action** No action is required.

**Error Message** SATMGR-2-NOHMS\_ENV\_FEX\_ONLINE Format: %s

**Explanation** Fex on-line

**Recommended Action** show inventory

**Error Message** SATMGR-2-NOHMS\_ENV\_FEX\_OFFLINE Format: %s

**Explanation** Fex off-line

**Recommended Action** show inventory

**Error Message** SATMGR-2-FEX\_OFFLINE\_WITH\_REASON Format: FEX %d has gone OFFLINE because %s.

**Explanation** FEX has gone OFFLINE because of the specified reason.

**Recommended Action** No action is required.

## DC3\_SENSOR Messages

**Error Message** DC3\_SENSOR-3-DC3\_SENSOR\_MSG1 Format: %s

**Explanation** SENSOR log message

**Recommended Action** No action is required.

## interface\_vlan Messages

**Error Message** SVI-5-UPDOWN Format: Line Protocol on Interface %s, changed state to %s

**Explanation** Line protocol status changed for an interface

**Recommended Action** No action is required.

**Error Message** SVI-5-IF\_DOWN\_ADMIN\_DOWN Format: Interface %s is down(Administratively Down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** No action is required.

**Error Message** SVI-5-IF\_DOWN\_ERROR\_DISABLED Format: Interface %s is down. Reason %d

**Explanation** The interface encountered an error while configuring it

**Recommended Action** No action is required.

**Error Message** SVI-5-IF\_DOWN\_INACTIVE Format: Interface %s is down (Inactive)

**Explanation** Interface VLAN has been suspended or deleted

**Recommended Action** No action is required.

**Error Message** SVI-5-SVI\_INIT Format: SVI initialization failed with error 0x%x

**Explanation** SVI initialization error

**Recommended Action** No action is required.

**Error Message** SVI-5-SVI\_SDB\_UPDATE\_FAILED Format: sdb update failed with ret\_val %d

**Explanation** SDB updated failed for SVI

**Recommended Action** No action is required.

**Error Message** SVI-5-SVI\_MTS\_SEND\_FAILURE Format: MTS send failure for opcode %d, error 0x%x

**Explanation** SVI encountered an error in with MTS message

**Recommended Action** No action is required.

**Error Message** SVI-5-SVI\_MTS\_TIME\_OUT Format: MTS send timed out

**Explanation** SVI did not receive response for mts message

**Recommended Action** No action is required.

**Error Message** SVI-5-SVI\_RSRVD\_VLAN\_FAILED Format: Failed to get list of reserved vlans 0x%x

**Explanation** SVI failed to get the list reserved vlans

**Recommended Action** No action is required.

**Error Message** SVI-4-SVI\_VLAN\_DOES\_NOT\_EXIST Format: Vlan %d does not exist

**Explanation** Vlan not created before assignment

**Error Message** SVI-5-SVI\_IOD\_RELEASE\_ERROR\_RESPONSE Format: IM failed to release SVI IOD error 0x%x

**Explanation** IM failed to release SVI IOD

**Recommended Action** No action is required.

**Error Message** SVI-4-SVI\_IF\_CONFIG\_DELETED\_NOTIF\_DELAYED\_DROPPED Format: Interface VLAN Delete Notification Not Processed on Time by SAP %d (%s)

**Explanation** This SAP took long time in processing Interface VLAN delete notification and caused timeout

**Recommended Action** No action is required.

**Error Message** SVI-4-SVI\_IF\_CONFIG\_REMOVED\_NOTIF\_DELAYED\_DROPPED Format: Interface VLAN Remove Notification Not Processed on Time by SAP %d (%s)

**Explanation** This SAP took long time in processing Interface VLAN remove notification and caused timeout

**Recommended Action** No action is required.

## TM Messages

**Error Message** TM-5-TM\_ENABLED Format: Tunnel Enabled

**Explanation** Tunnel Service Enabled

**Recommended Action** No action is required.

**Error Message** TM-5-TM\_DISABLED Format: Tunnel Disabled

**Explanation** Tunnel Service Disabled

**Recommended Action** No action is required.

**Error Message** TM-7-TM\_INFO Format: %s

**Explanation** Tunnel Service info

**Recommended Action** No action is required.

**Error Message** TM-3-HW\_PROGRAMMING\_FAILED Format: for %s, reason %s

**Explanation** Hardware programming failed for tunnel [num] interface

**Recommended Action** Try 'shutdown' and 'no shutdown' under tunnel interface submode after sometime. if still tunnel interface doesn't come up capture show tech-support tunnel to identify the issue

**Error Message** TM-4-TM\_MTU\_PROGRAMMING Format: Programming %s mtu %d...

**Explanation** Programming [chars] mtu [int]

**Recommended Action** No action is required.

**Error Message** TM-4-TM\_MTU\_PROGRAMMING\_FAILED Format: %s mtu %d programming failed!  
status 0x%x

**Explanation** [chars] mtu [int] programming failed! status [int]

**Recommended Action** capture show ech-support tunnel to identify why MTU programming as failed. tunnel interface will used default mtu value

**Error Message** TM-4-TM\_DF\_PROGRAMMING Format: Programming %s DF(dont fragment) df.sel  
%d df.val %d

**Explanation** Programming [chars] DF df.sel [int] df.val [int]

**Recommended Action** No action is required.

**Error Message** TM-4-TM\_DF\_PROGRAMMING\_FAILED Format: %s DF(dont fragment) programming failed! status 0x%x

**Explanation** [chars] DF programming failed! status [int]

**Recommended Action** capture show tech-support tunnel to identify why df flag programing failed

**Error Message** TM-5-IF\_STATE\_UPDATE Format: Interface %s is %s reason %s

**Explanation** Interface [char] is [char] reason [char]

**Recommended Action** No action is required.

**Error Message** TM-5-IF\_CREATED Format: Interface %s is created

**Explanation** Interface [char] is created

**Recommended Action** No action is required.

**Error Message** TM-5-IF\_CREATE\_FAILED Format: Interface %s creation failed due to [0x%x] %s

**Explanation** Interface [char] is creation failed due to [int] [char]

**Recommended Action** No action is required.

**Error Message** TM-5-IF\_DELETED Format: Interface %s is deleted

**Explanation** Interface [char] is deleted

**Recommended Action** No action is required.

**Error Message** TM-5-IF\_CLEAR\_COUNTER Format: Interface %s counters is cleared

**Explanation** Interface [char] counters is cleared

**Recommended Action** No action is required.

**Error Message** TM-5-PPF\_SESSION\_FAILED Format: session id %llx type %s for %s failed error %x %s

**Explanation** session id [int] type [char] for [char] failed error [int] [char]

**Recommended Action** No action is required.

**Error Message** TM-2-FEATURE\_ENABLE\_FAILED Format: failed to enable feature tunnel, reason %s (0x%x)

**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

**Error Message** TM-2-TM\_F2\_ONLY\_VDC Format: 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  
o feature tunnel

## UFDM Messages

**Error Message** UFDM-2-INTERNAL\_ERROR Format: Internal error: %s, collect output of show tech-support forwarding l3 unicast... command

**Explanation** UFDM hit a internal error. Collect show tech-support forwarding l3 unicast for futher analysis.

**Recommended Action** No action is required.

**Error Message** UFDM-2-DNLD\_TIMEOUT Format: Download timer expired: %s

**Explanation** UFDM download timer expired. Collect show tech-support forwarding l3 unicast for futher analysis.

**Recommended Action** No action is required.

**Error Message** UFDM-2-FIB\_ROUTE\_UPDATE\_ERR Format: Route update error from slot %d FIB

**Explanation** FIB returned route update error. Collect show tech-support forwarding l3 unicast for futher analysis.

**Recommended Action** No action is required.

## URIB Messages

**Error Message** URIB-2-STARTUP\_FAILURE Format: Startup failure: %s

**Explanation** An unrecoverable software error has occurred during URIB startup.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-2-BAD\_PT Format: Possible Patricia tree corruption in %s

**Explanation** An unrecoverable software error has occurred because of a bad route table.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-2-TOO\_MANY\_CLIENTS Format: %s client %s"

**Explanation** URIB cannot add this client because the URIB client limit has already been reached.

**Recommended Action** Kill component and don't restart it.

**Error Message** URIB-2-TIMER\_LIB Format: %s %s

**Explanation** The timer library returned an error, causing an unrecoverable problem for URIB.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-2-RES\_MGR Format: Error returned from %s, errno: 0x%08x (%s) in %s()

**Explanation** The resource manager returned an error to URIB, while URIB was performing an action relating to its shared memory

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-2-API\_INIT\_SEM Format: Failed to init the client API semaphore: open: %s, create: %s

**Explanation** URIB could not create the semaphore that protects access to the shared memory between URIB and its clients.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-2-NOSMEM Format: Failed to allocate shared memory for %s

**Explanation** URIB has run out of shared memory to store routes and related information. This condition can be caused by a temporary increase in the number of routes in the network, or a general network or router misconfiguration.

**Recommended Action** Configure the network or router to decrease the number of routes, or reconfigure the shared memory through the following vdc mode commands: 'limit-resource u4route-mem min <min> max <max>' or 'limit-resource u6route-mem min <min> max <max>'

**Error Message** URIB-2-NOPMEM Format: Failed to allocate private memory for %s

**Explanation** URIB has run out of private memory. This condition can be caused by a temporary increase in the number of routes in the network, or a general network or router misconfiguration.

**Recommended Action** Configure the network or router to decrease the number of routes, or add additional memory to the router.

**Error Message** URIB-3-PTADD\_ERROR Format: Could not add %s/%d to the %s pt, error code %d

**Explanation** A severe route table error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-PTDEL\_ERROR Format: Could not delete %s/%d from the URIB pt, error code %d

**Explanation** A severe route table error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-CCMARKERERROR Format: Mismatch in marker\_elem = %u and urib\_cc\_end\_download\_marker = %u for tib: %s

**Explanation** An severe error was encountered during Consistency Checker

**Recommended Action** No action is required.

**Error Message** URIB-3-CCPENDING Format: Previous Consistency Check has not yet completed

**Explanation** Previous Consistency Check has not yet completed

**Recommended Action** No action is required.

**Error Message** URIB-3-AVLINIT\_ERROR Format: Could not init %s avl for VRF %s

**Explanation** URIB was unable to correctly initialise an AVL data structure.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-3-AVLADD\_ERROR Format: Could not add %s (0x%08x) to the %s avl

**Explanation** URIB was unable to add a piece of data to an AVL data structure.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-3-QADD\_ERROR Format: Could not add %s to the %s queue

**Explanation** A severe queue error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-HTADD\_ERROR Format: Could not add %s to the %s hash table

**Explanation** A severe hash table error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-ADD\_ERROR Format: Client %s" could not add %s/%d to the %s"

**Explanation** A severe error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-MOD\_ERROR Format: Client %s" could not modify %s/%d: %s"

**Explanation** A severe error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-DEL\_ERROR Format: Could not delete %s/%d from %s

**Explanation** A severe error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-NH\_RESOLV\_ADD\_ERROR Format: Could not add %s/%d to the %s (%d) resolve buffer

**Explanation** A severe error was encountered. The system may run into more errors because of this problem.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-COPY\_ERROR Format: Could not copy %s for %s/%d

**Explanation** A severe error was encountered during route optimisation. The system may run into more errors because of this problem.

**Recommended Action** No action is required.

**Error Message** URIB-3-KSINK\_LIB\_ERROR Format: %s %s

**Explanation** A severe error was encountered during ksink operations. The system may run into more errors because of this problem.

**Recommended Action** No action is required.

**Error Message** URIB-3-RPM\_LIB\_ERROR Format: %s %d

**Explanation** An RPM library function returned an error.

**Recommended Action** No action is required.

**Error Message** URIB-3-SDWRAP\_LIB\_ERROR Format: %s %s

**Explanation** A SDWrap library function returned an error.

**Recommended Action** No action is required.

**Error Message** URIB-3-ADD\_PATH\_ERROR Format: %s: could not add path for client %s".

**Explanation** A route add operation has failed for the given client. There may be a previous error message that further explains the problem.

**Recommended Action** No action is required.

**Error Message** URIB-3-ADD\_RPATH Format: Client %s" added %s/%u via not found rnh %s/%u%%s"

**Explanation** A route add operation has failed for the given client. This may be a transient 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.

**Error Message** URIB-3-ADD\_TPATH Format: Client %s" added %s/%u via tableid 0x%08x : %s"

**Explanation** A route add operation has failed for the given client. This was because the tableid could not be found. This may be a transient 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.

**Error Message** URIB-3-DEL\_PATH\_ERROR Format: %s: could not del path for client %s".

**Explanation** A route add operation has failed for the given client. There may be a previous error message that further explains the problem.

**Recommended Action** No action is required.

**Error Message** URIB-3-NOT\_INIT\_L3VM\_ERROR Format: L3VM info for table id 0x%08x from client %s" not available - URIB not initialised with L3VM"

**Explanation** A client tried to add some information to the URIB, before URIB has registered for the table information. The client should be restarted.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-NO\_L3VM\_INFO\_ERROR Format: no L3VM info for table id 0x%08x from client %s" - unknown to L3VM"

**Explanation** A client tried to add some information to URIB and provided a Table-Id that is unknown in the system. The client should be restarted.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-NO\_L3VM\_LIMITS Format: Could not get routing table limits from L3VM

**Explanation** URIB could not pull the routing limits for the table. L3VM should be restarted.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-TABLE\_CREATE\_ERROR Format: Failed to create table info for VRF %s for client %s"

**Explanation** URIB could not create its table data structure for the VRF being created. There may be further errors that indicate the failure in more detail. The shown VRF should be reconfigured in the system. i.e. in global configuration, 'no vrf context <vrf-name>'

**Recommended Action** Requires operator to intervene.

**Error Message** URIB-3-TABLE\_STATE\_ERROR Format: Table state %s for VRF %s for client %s" "

**Explanation** URIB received a request from a client for a given VRF, but the given VRF was in a state where that request is not permitted

**Recommended Action** Requires operator to intervene.

**Error Message** URIB-3-INSTANCE\_CREATE\_ERROR Format: ERRMSG\_LIMIT\_DEF

**Explanation** URIB could not create its data structures for a client in the shown VRF. There may be further errors to indicate the failure in more detail. The shown VRF should be reconfigured in the client. i.e. in router sub-mode configuration, 'no vrf <vrf-name>'

**Recommended Action** Requires operator to intervene.

**Error Message** URIB-3-GET\_INSTANCE\_ERROR Format: instance not found for client %s" in VRF %s"

**Explanation** URIB could not find its data structures for a client in the shown VRF. The shown VRF should be reconfigured in the client. i.e. in router sub-mode configuration, 'no vrf <vrf-name>'

**Recommended Action** Requires operator to intervene.

**Error Message** URIB-3-GENERAL\_PTHREAD\_ERROR Format: Thread %d: %s

**Explanation** The POSIX pthread library returned an error to URIB.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-EPID\_MIS\_MATCH\_ERROR Format: %s" epid (%u) does not match known epid (%u)"

**Explanation** The id a client provided does not match the id that URIB currently has stored for the client. The client probably restarted ungracefully and URIB has the old id.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-GENERAL\_UI\_ERROR Format: %s

**Explanation** The shown error occurred while the user interface was processing a request. The request should be tried again.

**Recommended Action** Requires operator to retry the request.

**Error Message** URIB-3-ASSERT\_ERROR Format: "%s:%d: Assertion "%s" failed."

**Explanation** An internal software error has occurred. An assertion held to be true 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.

**Error Message** URIB-3-FILE\_OPEN\_ERROR Format: File open error: %s

**Explanation** This message is for internal debugging only.

**Recommended Action** No action is required.

**Error Message** URIB-3-FILE\_WRITE\_ERROR Format: File write error: %s

**Explanation** This message is for internal debugging only.

**Recommended Action** No action is required.

**Error Message** URIB-3-OPEN\_CLIENT\_SHM\_ERROR Format: "Failed to open client shared memory "%s": %s"

**Explanation** The calling process failed with the shown error while trying to open the named URIB shared memory region. The status of the memory is shown in 'show process memory shared'.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-SEND\_TO\_ERROR Format: "Send to URIB failed: %s"

**Explanation** The calling process was unable to send a message to URIB.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-SEND\_FROM\_ERROR Format: Send from URIB to client %s" failed: %s"

**Explanation** URIB was unable to send a message to the shown client.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-SEND\_NOTIF\_ERROR Format: Failed to send %s notification buffer to client %s"; retried %lu times"

**Explanation** URIB was unable to send a notification to a client.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-RNH\_LOOP\_ERROR Format: Number of prefixes forming rnh loop exceeds %d

Flagging route %s/%d from client %s" with rnh %s/%d as causing rnh loop"

**Explanation** URIB detected a loop between routes installed in the RIB. The message shows which client caused the loop.

**Recommended Action** Requires operator to intervene.

**Error Message** URIB-3-XRI\_TYPE\_ERROR Format: Unknown XRI type %u

**Explanation** URIB detected unknown eXtended route information while displaying a next-hop address.

**Recommended Action** No user action is required.

**Error Message** URIB-3-INCONSISTENT\_STRUCTURE Format: %s

**Explanation** Unexpected remaining state removed during RIB cleanup.

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

**Error Message** URIB-3-INCONSISTENT\_ROUTE Format: %s: %s/%d via %s

**Explanation** Unexpected remaining route removed during RIB cleanup.

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

**Error Message** URIB-3-INCONSISTENT\_RNH Format: %s: %s/%d

**Explanation** Unexpected remaining recursive next-hop removed during RIB cleanup

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

**Error Message** URIB-3-INCONSISTENT\_SUMMARY Format: %s: routes %d, rnh's %d

**Explanation** Unexpected remaining state for client during RIB cleanup. Use the 'show routing ipv4 unicast internal event-history errors' CLI command for more information.

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

**Error Message** URIB-3-RANGE\_CHECK\_ERR Format: "Range check of %s failed from %s (0x%08x) "

**Explanation** The value provided is outside of the acceptable range.

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

**Error Message** URIB-3-MORE\_INFO\_ERROR Format: Client %s": %s"

**Explanation** This error provides further information about the previous error. Action should be taken depending on the previous error logged.

**Recommended Action** No user action is required.

**Error Message** URIB-3-MORE\_MTS\_INFO\_ERROR Format: source SAP is: %d dest SAP is: %d

**Explanation** This error provides further information about the previous MTS error. Action should be taken depending on the previous MTS error logged.

**Recommended Action** No user action is required.

**Error Message** URIB-3-PSS Format: Error returned from %s, errno: 0x%08x (%s) in %s()

**Explanation** URIB called a PSS API which returned an error. The error reported should be examined for the cause.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-3-UFDM\_MTSSSEND\_FAILURE Format: MTS send; to UFDM failed with unexpected error %d

**Explanation** URIB was unable to send a route update to UFDM. This means there will be a route missing from the FIB.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-4-ROUDELIMIT\_EXCEEDED Format: Number of routes (%llu) reached or exceeds configured limit (%lu); dropped (%llu)

**Explanation** The number of routes in the named routing table has reached the configured limit. No further routes will be added to the table

**Recommended Action** Reduce the number of routes in the table, or reconfigure the limit

**Error Message** URIB-4-ROUDELIMIT\_NOT\_ENFORCED Format: Number of routes (%llu) already exceeds newly configured limit (%lu); dropped (%llu)

**Explanation** The number of routes in the named routing table is already more than the newly configured limit. No further routes will be added to the table, but the new limit has not been enforced.

**Recommended Action** To enforce the new limit, clear the table, or transition the table through the administrative shutdown state. Then reduce the number of routes in the table, or reconfigure the limit

**Error Message** URIB-4-ROUDELIMIT\_WARNING Format: Number of routes (%llu) exceeds warning limit (%lu)

**Explanation** The number of routes in the named routing table has reached the configured warning limit.

**Recommended Action** Reduce the number of routes in the table, or reconfigure the limit

**Error Message** URIB-3-RNH\_REFCOUNT Format: Client %s" deleting RNH %s/%u with refcount %u"

**Explanation** A client tried to delete a Recursive Next-hop while that RNH was still in use.

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

**Error Message** URIB-4-ZERO\_NEXTHOP Format: Client %s" added 0.0.0.0 next hop and interface %s is not point-to-point"

**Explanation** The client protocol added a 0.0.0.0 next-hop address on a non point-to-point interface

**Recommended Action** No user action is required.

**Error Message** URIB-4-RTDEL\_ERROR Format: Could not find prefix %s/%d, client %s''s delete request"

**Explanation** Route delete request was received for a non-existing route.

**Recommended Action** No user action is required.

**Error Message** URIB-3-UNEXPECTED\_MESSAGE Format: %s %d. src SAP: %d dst SAP: %d

**Explanation** An unexpected interprocess message was received.

**Recommended Action** No user action is required.

**Error Message** URIB-4-UNEXPECTED\_VALUE Format: Unexpected value for %s

**Explanation** An unexpected value was encountered for the logged event.

**Recommended Action** No user action is required.

**Error Message** URIB-4-INVALID\_PIB Format: %s %s

**Explanation** A bad protocol information block was encountered in the given situation.

**Recommended Action** No user action is required.

**Error Message** URIB-4-NH\_RESOLV\_LUKUP Format: Could not find %s/%d while processing %s (%d) resolve buffer

**Explanation** Unresolved nexthop not cleaned up properly.

**Recommended Action** No action is required.

**Error Message** URIB-4-UFDM\_ACKNOT\_FOUND Format: Could not find UFDM buffer with ptr 0x%08x

**Explanation** Ack received for a UFDM buffer that URIB does not know about.

**Recommended Action** No user action is required.

**Error Message** URIB-5-GENERAL\_FAILURE Format: Failed to %s

**Explanation** The logged action failed, causing an unrecoverable error.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-5-BOGUS\_RNH Format: %s" tried to add %s/%d with RNH %s/%d"

**Explanation** A bogus update with unexpected RNH was received from the client.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-5-BOGUS\_PREFIX Format: %s" tried to add %s/%d"

**Explanation** A bogus prefix was received from the client.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-5-BOGUS\_MASK Format: Client %s" tried to add %s/%d"

**Explanation** A bogus mask was received from the client.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-5-BOGUS\_INTF Format: Client %s" tried to add %s/%d via %s with invalid iod %d"

**Explanation** A bad interface was received in a path add from the client.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-5-PATH\_DELETE Format: ERRMSG\_LIMIT\_DEF

**Explanation** URIB could not find the path that a client tried to delete.

**Recommended Action** No user action is required.

**Error Message** URIB-5-RPATH\_DELETE Format: ERRMSG\_LIMIT\_DEF

**Explanation** URIB could not find the recursive path that a client tried to delete.

**Recommended Action** No user action is required.

**Error Message** URIB-5-API\_INIT\_SEM\_CLEAR Format: Cleared the API semaphore from %d

**Explanation** The API semaphore was in an unexpected state, and was restored to a correct value.

**Recommended Action** No user action is required.

**Error Message** URIB-5-RES\_MGR\_CHANGE Format: Changed u4route-mem from (%d, %d) to (%d, %d)

**Explanation** The requested limit-resource command was adapted to fit the limits in this version.

**Recommended Action** No user action is required.

**Error Message** URIB-6-NH\_DELETED\_NIB\_INFO Format: Found hidden rnh %s/%d for client %s" in deleted NIB"

**Explanation** URIB found a hidden next-hop for a client while the client was deregistering for a table.

**Recommended Action** No user action is required.

**Error Message** URIB-6-UFDM\_MGMT Format: Route %s/%d in VRF management not sent to ufdm

**Explanation** URIB tried to give a route in the management VRF to UFDm

**Recommended Action** No user action is required.

**Error Message** URIB-6-GENERAL\_INFO Format: %s

**Explanation** Informational message only.

**Recommended Action** No user action is required.

**Error Message** URIB-6-TRACE\_OVERFLOW Format: Trace buffer %s overflowed

**Explanation** The given event trace overflowed. This is normal behaviour.

**Recommended Action** No user action is required.

**Error Message** URIB-6-ROUDELIMIT\_RECOVERED Format: Number of routes (%llu) is below the configured limit (%lu)

**Explanation** The number of routes in the named routing table has fallen below the configured limit. The routing table has recovered

**Recommended Action** No user action is required.

**Error Message** URIB-6-ROUDELIMIT\_REINSTALL Format: Routing table was reinstalled

**Explanation** The routing table was automatically reloaded to allow the new routing limit or because the reinstall threshold was crossed.

**Recommended Action** No user action is required.

**Error Message** URIB-6-ROUDELIMIT\_OVERFLOWED Format: Routing table statistic %s" overflowed 32 bits"

**Explanation** The routing table statistic is returned in a MIB which only supports 32 bit values. The statistic just past the maximum value for 32 bits.

**Recommended Action** No user action is required.

**Error Message** URIB-3-ROUTECOUNT\_UNDERFLOW Format: Routing table statistic current tried to underflow deleting %s/%d

**Explanation** The system tried to decrement the current number of routes in the table, but the statistic was already zero.

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

**Error Message** URIB-3-MTS\_BIND Format: "mts\_bind failed for %s: %s"

**Explanation** URIB was unable to bind to an MTS queue SAP, causing an unrecoverable error.

**Recommended Action** Use 'reload' CLI command to reload the system. Be aware that this affects all VDCs on the system.

**Error Message** URIB-3-MTS\_OPTIONS Format: MTS option set failed for opcode %s: %s (%d)

**Explanation** URIB was unable to set options for an MTS opcode

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-CMI\_MTSEND\_FAILURE Format: mts\_send failure for client %s: %s

**Explanation** URIB was unable to send MTS message to a particular client

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-CMI\_PAYLOAD\_CONV\_ERR Format: CMI payload conversion error failure from %s order to %s order

**Explanation** The cmi payload conversion did not occur successfully.

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_UBIND Format: mts\_unbind failed for %s: %s

**Explanation** URIB was unable to unbind from an MTS queue SAP, causing an unrecoverable error.

**Recommended Action** Use the 'system switchover' CLI command to switchover to the standby supervisor. If no standby is present, or the standby is not ready, use the 'reload' CLI command to reload the system. The state of the standby can be checked using the 'show system redundancy ha status' CLI command.

**Error Message** URIB-3-MTS\_UNK\_OPC Format: Received unknown MTS message on %s queue with opcode %d, dropping it. src SAP: %d dst SAP: %d

**Explanation** URIB recieved an unknown message. The message is dropped

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_RECV Format: Error returned from mts\_recv(%s), errno: %s

**Explanation** An MTS API returned an error while URIB was receiving on an MTS queue.

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_DROP Format: Error returned from mts\_drop(), error: %s

**Explanation** An MTS API returned an error when URIB tried to drop a message.

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_SHORT\_MSG\_ERROR Format: Received short (%d < %d) MTS message on %s queue with opcode %d, dropping it. src SAP: %d dst SAP: %d

**Explanation** URIB recieved an unknown message. The message is dropped

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_NO\_PAYLOAD\_ERROR Format: Received MTS message with no payload on %s queue with opcode %d, dropping it. src SAP: %d dst SAP: %d

**Explanation** URIB recieved an unknown message. The message is dropped

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_SIZE\_ERROR Format: %s: incorrect %s message size from client %s: %d (should be %d)

**Explanation** The size of a URIB message is incorrect for the type of message. The message is dropped.

**Recommended Action** No user action is required.

**Error Message** URIB-3-MTS\_NO\_CLIENT\_SAP Format: %s: client %s" has not provided a SAP for ack"

**Explanation** A client registered with URIB, but did not provide a SAP for URIB to send reply messages to. This caused an unrecoverable error.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-MTS\_REGISTER Format: "mts\_register failed for urib: %s"

**Explanation** URIB was unable to register client for URIB notifications, causing an unrecoverable error.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

**Error Message** URIB-3-MTS\_DEREGISTER Format: "mts\_deregister failed for urib: %s"

**Explanation** URIB was unable to deregister client from URIB notifications, causing an unrecoverable error.

**Recommended Action** Use the 'restart' CLI command to restart the feature and clear this issue.

## URIB Messages

## VLAN\_MGR Messages

**Error Message** VLAN\_MGR-3-ERROR\_MSG Format: %s

**Explanation** VLAN manager error

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-4-WARN\_MSG Format: %s

**Explanation** VLAN manager warning

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-INFO\_MSG Format: %s

**Explanation** VLAN manager info

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-5-NOTIF\_MSG Format: %s

**Explanation** VLAN Manager Notification Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-2-CRITICAL\_MSG Format: %s

**Explanation** VLAN Manager Critical Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_OPER\_STATUS\_CHG Format: VLAN %d, status changed to %s

**Explanation** VLAN operational state change

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_CREATED Format: VLAN %d, created

**Explanation** VLAN created

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_MGR\_STATELESS\_RESTART Format: VLAN Manager stateless restart

**Explanation** VLAN Manager stateless restart

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_MGR\_STATEFULL\_RESTART Format: VLAN Manager statefull restart

**Explanation** VLAN Manager statefull restart

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-5-RESERVED\_VLAN\_RANGE\_CHANGED Format: New Reserved VLAN Range Configured From VLAN %d to VLAN %d

**Explanation** VLAN Manager Reserved VLAN Reconfiguration Message

**Recommended Action** No action is required.

## VNTAG\_MGR Messages

**Error Message** VNTAG\_MGR-5-VNTAG\_MGR\_GENERIC\_SYSLOG Format: %s

**Explanation** VNTag Manager Generic Syslog

**Recommended Action** No action is required.

**Error Message** VNTAG\_MGR-5-VNTAG\_MGR\_ENABLED Format: VNTag Manager Enabled

**Explanation** VNTag Manager Service Enabled

**Recommended Action** No action is required.

**Error Message** VNTAG\_MGR-5-VNTAG\_MGR\_DISABLED Format: VNTag Manager Disabled

**Explanation** VNTag Manager Service Disabled

**Recommended Action** No action is required.

**Error Message** VNTAG\_MGR-5-VNTAG\_SEQ\_ERROR Format: %s

**Explanation** Some step in an event sequence has failed

**Recommended Action** No action is required.

**Error Message** VNTAG\_MGR-2-VNTAG\_SEQ\_TIMEOUT Format: %s

**Explanation** Event sequence timeout

**Recommended Action** No action is required.

**Error Message** VNTAG\_MGR-2-VNTAG\_DVIF\_LIMIT\_REACHED Format: %s

**Explanation** Event DVIF Limit of 4k Reached

**Recommended Action** No action is required.





## CHAPTER 3

# ACI System Messages

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This chapter lists the system messages generated by APIC and the ACI switches.

Additional details about the faults or events that generate these system messages are described in the *Cisco APIC Faults, Events, and System Messages User Guide* and are listed in the *Cisco APIC Management Information Model Reference*, a web-based document.

## Fault Messages

### F0020 - fltFabricSelectorIssuesConfig-failed

#### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0020][configuration-failed][minor][DN of affected MO] Configuration failed for node [name] due to [configQual] Configuration failed for [dn] for node [name] due to [configQual]
```

#### Explanation

This fault occurs when a fabric selector (port selector, card selector, node selector etc.) is incorrectly configured.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at the configuration for issues
  - Step 2** For invalid-port, check the fabric port selector, it should have only fabric ports in it. Leaf host ports and fex host ports are not allowed to be configured using fabric port selector.
  - Step 3** For port-configured-for-apic, check the fabric port selector. Port connected to the controller cannot be configured using fabric port selector.
  - Step 4** For invalid-card, check the fabric card selector, its referring to a card which does not exist. Fault will clear once the card is added to the node.
  - Step 5** For further details, refer to the documentation for fabric:SelectorIssues
  - Step 6** Verify the fabric selector configuration is correct and complete
  - Step 7** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F0021 - fltAaaRadiusProviderRadiusProvider\_Inoperable

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0021][inoperable][minor][DN of affected MO] Radius
Provider [name] unreachable
```

### Explanation

This fault occurs when the Radius Provider is not operational.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify the IP address and path to the Radius provider are still active and functioning.
  - Step 2** Ensure the configuration on the Radius provider has not changed.
  - Step 3** Verify that the Radius provider is still functioning properly
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0022 - fltAaaLdapProviderLdapProvider\_Inoperable

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0022][inoperable][minor][DN of affected MO] LDAP
Provider [name] unreachable
```

### Explanation

This fault occurs when the LDAP provider is not operational.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify the IP address and path to the LDAP provider are still active and functioning.
  - Step 2** Ensure the configuration on the LDAP provider has not changed.
  - Step 3** Verify that the LDAP provider is still functioning properly
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0023 - fltAaaTacacsPlusProviderTacacsPlusProvider\_Inoperable

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0023][inoperable][minor][DN of affected MO] Tacacs+
Provider [name] unreachable
```

### Explanation

This fault occurs when the TACACS+ provider is not operational.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify the IP address and path to the TACACS+ provider are still active and functioning.
  - Step 2** Ensure the configuration on the TACACS+ provider has not changed.
  - Step 3** Verify that the TACACS+ provider is still functioning properly
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F0048 - fltStatsAExportJoblfc-export-failed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0048][stats-export-failed][minor][DN of affected MO]
Statistics export failed. Failure reason: [details]. Refer to [dn] policy for
configuration details.
```

**Explanation**

This fault occurs due to a Stats Export Policy session failure.

**Recommended Action**

If you see this fault, please check the Stats Export Policy configuration parameters and health of the destination export server.

**F0051 - fltDbgOdAggRsltTenantAtomicCounterExcessiveDrops****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0051][ac-tenant-drops][major][DN of affected MO]
[percentDropP]% of packets were dropped during the last collection interval for
[name] policy of type [type] under Tenant [dn]
```

**Explanation**

This fault occurs when a significant number of packet drops are detected by a configured and enabled Atomic Counter

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter policy is configured.
  - Step 2** Check for any CRC, etc errors in the packet path where this Atomic Counter policy is configured.
  - Step 3** Check interface counters and rates in the packet path where this Atomic Counter policy is configured to make sure there is no oversubscription.
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0052 - fltDbgOdAggRsltTenantAtomicCounterExcessPackets

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0052][ac-tenant-excess-pkts][major][DN of affected MO]
[percentExssP]% of packets were received in excess during the last collection
interval for [name] policy of type [type] under Tenant [dn]
```

### Explanation

This fault occurs when a significant number of excess packets are detected by a configured and enabled Atomic Counter

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter policy is configured.
  - Step 2** Check interface counters and rates in the packet path where this Atomic Counter policy is configured to make sure there is no oversubscription.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0053 - fltConfigJobConfigBackupFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0053][configuration-failed][minor][DN of affected MO]
Configuration backup/restore job [name] failed with error: [details]
```

### Explanation

This fault occurs when a configuration export/import job fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the Controllers can reach the remote destination without issues and that the remote file is correct
  - Step 2** Verify that the remote destination is healthy.
  - Step 3** To clear this fault, you can acknowledge the job. In GUI:
  - Step 4** Navigate to the Operational tab of the config policy
  - Step 5** Select the failed job, and choose Delete from the Actions menu
  - Step 6** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0058 -fltFirmwareDownloadDownloadFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0058][download-failed][major][DN of affected MO]
Failed to download the firmware image from source: [name], reason: [operQual],
details: [operQualStr]
```

### Explanation

This fault occurs when a firmware download fails

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify the location where the firmware stored is reachable through scp/http request
  - Step 2** Verify the directory and file location exist
  - Step 3** Verify the firmware file is valid
  - Step 4** Verify the file has sufficient permissions
  - Step 5** Free-up firmware repo by deleting any stale/old images.
  - Step 6** Verify username/password authentication
  - Step 7** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0080 -fltDhcpProviderAddressAssignmentFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0080][address-assignment-failed][major][DN of
affected MO] DHCP server (ID [id]) with an IP address of [ip] could not assign
additional IP addresses.
```

### Explanation

This fault is raised when the DHCP server runs out of IP address to allocate to clients

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Create a DHCP Provider policy to increase the address pool size.
  - Step 2** If the above actions did not resolve the issue, collect a **tech-support** file and contact Cisco TAC.

## F0098 - fltStatsAExportJobSw-export-failed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0098][stats-export-failed][minor][DN of affected MO]
Statistics export failed. Failure reason: [details]. Refer to [dn] policy for
configuration details.
```

### Explanation

This fault occurs due to a Stats Export Policy session failure.

### Recommended Action

If you see this fault, please check the Stats Export Policy configuration parameters and health of the destination export server.

## F0101 - fltEqptStorageFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0101][equipment-failed][major][DN of affected MO]
Storage unit [name] on Node [id] has failed.
```

### Explanation

This fault occurs when a storage device fails on a controller

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Replace the storage device that failed
  - Step 2** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0103 - fltCnwPhysIfDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0103][port-down][major][DN of affected MO] Physical
Interface [id] on Node [id] is now [operSt]
```

### Explanation

This fault occurs when a physical interface on a controller is in the link-down state.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the physical port is properly connected to the peer device.
  - Step 2** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0104 - fltCnwAggrIfDown

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0104][port-down][critical][DN of affected MO] Bond Interface [id] on Node [id] is now [operSt]
```

### Explanation

This fault occurs when a bond interface on a controller is in the link-down state.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the physical ports that make up the bond are properly connected to the peer devices.
  - Step 2** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0105 - fltMaintUpgJobUpgradeFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0105][upgrade-failed][major][DN of affected MO] Controller [id] failed to upgrade to [desiredVersion]. The upgrade has an upgrade status of [upgradeStatus] - [upgradeStatusStr]. The failure occurred at the [installStage] stage of the install.
```

### Explanation

This fault occurs when a software upgrade fails on a controller.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If upgrade is done via API, check if the image version entered is correct.
  - Step 2** Delete the image from repo, delete and repost the firmware policy.
  - Step 3** Free-up stale/old images, delete and repost the firmware policy.
  - Step 4** Reboot the controller and retry the software installation using a policy based upgrade.
  - Step 5** Reboot the controller and retry the software installation using the command line interface.
  - Step 6** If above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0106 - fltCnwPhysIfPortOutOfService

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0106][wiring-check-failed][critical][DN of affected MO] Physical Interface [id] on Node [id] is out of service. Reason: [wiringIssues]
```

### Explanation

None set.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Ensure the device connected to the port is the correct device.
  - Step 2** Ensure the device connected to the port is configured properly for the fabric it is being connected to.
  - Step 3** If the device being connected is being reprovisioned from another fabric, ensure that the config on that device has been factory reset
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F0111 - fltFabricLooseNodeOperIssues****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0111][operational-issues][major][DN of affected MO]
Operational issues detected on LooseNode: [id], error: [[operIssues]]
```

**Explanation**

This fault occurs when operational issues are detected on a LooseNode (Unmanaged switch)

**Recommended Action**

If you see this fault, take the following action:

- 
- Step 1** Check and reestablish LooseNode connectivity to Leaf Node
  - Step 2** If the above action did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

**F0130 - fltCompCtrlrConnectFailed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0130][connect-failed][major][DN of affected MO]
Connection to VMM controller: [hostOrIp] with name [name] in datacenter
[rootContName] in domain: [domName] is failing repeatedly with error:
[[remoteErrMsg]]. Please verify network connectivity of VMM controller [hostOrIp]
and check VMM controller user credentials are valid.
```

**Explanation**

This fault is raised when the VMM Controller is marked offline. Recovery is in process.

**Recommended Action**

If you see this fault repeatedly, take the following actions:

- 
- Step 1** Verify that there is network connectivity to VMM Controller.
  - Step 2** Verify that the user credentials to VMM Controller are correct.
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0132 - fltCompCtrlrOperationalIssues

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0132][operational-issues][major][DN of affected MO] Operational issues detected for VMM controller: [hostOrIp] with name [name] in datacenter [rootContName] in domain: [domName] due to error: [remoteOperIssues].
```

### Explanation

This fault is raised when Remote or External disruptive operations on VMM Controller are detected.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** To restore, delete and re-add the VMM Controller.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0133 - fltCompCtrlrUnsupportedOperation

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0133][unsupported-operation][major][DN of affected MO] Unsupported remote operation on controller: [hostOrIp] with name [name] in datacenter [rootContName] in domain [domName] detected, error: [[deployIssues]]
```

### Explanation

This fault is raised when deployment of given configuration fails for a Controller.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Try to delete and add the policy again.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0134 - fltHvsAdjConfigIssues

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0134][config-issues][minor][DN of affected MO] Config Issues detected on LooseNode: [nbrName] connected to Host: [name] for controller: [hostOrIp] with name [name] in datacenter [rootContName] in domain [domName], error: [[configIssues]]
```

### Explanation

This fault is raised when LooseNode (Unmanaged switch) has config issues such as missing Management Address config.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Configure Management Address address on LooseNode and ensure that LLDP or CDP is enabled to advertise Management Address
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0135 - fltCompEpPDUnsupportedOperation

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0135][unsupported-operation][major][DN of affected MO]
Unsupported remote operation detected on EPG: [faultDKey] detected in Controller:
[hostOrIp] with name [name] in datacenter [rootContName] in domain [domName] ,
error: [[remoteOperIssues]]
```

### Explanation

This fault is raised when remote or external disruptive EPG operations are performed on the Controller.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Restore EPG to its original state on the Controller.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0188 - fltBgpInvalidRRPInvalidRouteReflector

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0188][configuration-failed][minor][DN of affected MO]
Leaf node [id] is marked as a route-reflector in the BGP Route Reflector Node
Policy Endpoint (bgp:RRNodePEP) policy contained within the BGP Route Reflector
Policy (bgp:InsPol) [name]
```

### Explanation

This fault occurs when a leaf is marked as a BGP route reflector

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Remove the leaf from the BGP Route Reflector Node Policy Endpoint (bgp:RRNodePEP) Policy and choose another node. Only spines can be BGP route reflectors..
  - Step 2** If the above actions did not resolve the issue, collect a **tech-support** file and contact Cisco TAC.

## F0214 - fltOpflexODevOperationalIssues

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0214][operational-issues][major][DN of affected MO]
Operational issues detected for OpFlex device: [devId] [ip] for logical switch
[lNodeDn] detected, error: [[devOperIssues]]
```

### Explanation

This fault is raised when there is an issue with respect to the OpFlex device

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** To restore, delete and re-add the OpFlex device.
  - Step 2** Check connectivity to the OpFlex device.
  - Step 3** Try restarting the device.
  - Step 4** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0256 - fltCoopDomCoopDomInconsistentCfg

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0256][oper-state-failed][major][DN of affected MO]
Inconsistent configuration in the coop council
```

### Explanation

This fault occurs when the coop domain has inconsistent configuration in the council

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete

## F0299 - fltBgpPeerEntryFailed

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0299][oper-state-failed][warning][DN of affected MO]
BGP peer is not established, current state [operSt]
```

### Explanation

This fault occurs when the peer state is not established

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Check network connectivity to the peer
  - Step 4** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0309 - fltInfraReplicaReplicaState

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0309][init-failure][critical][DN of affected MO]
Replica [rplId] in the internal database partition (shard) [shrdId] for the
service [name] failed to initialize or failed to copy database snapshot from its
peer.
```

### Explanation

This fault occurs when a controller reports some data for service failed to initialize.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check cluster connectivity. All controllers need to be listed and reported as available.
  - Step 2** Ensure that the cluster configuration is stable. Make note of any any frequent and brief interruptions of cluster availability or prolonged unavailability.
  - Step 3** If any controllers are missing from the cluster, check if those controllers are accessible via other means like ssh.
  - Step 4** Check for other faults related to cluster health and availability
  - Step 5** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0310 - fltInfraReplicaCommitLogState

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0310][commit-log-corruption][major][DN of affected MO]
Corruption in the commit log for replica [rplId] in the internal database partition
(shard) [shrdId] for service [name]
```

### Explanation

This fault occurs when a controller reports some data for a service has been corrupted.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check for errors regarding the disks in the controller
  - Step 2** Check the error logs on the controller to see if there is any additional information.
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0317 - fltInfraReplicaDatabaseState

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0317][database-corruption][major][DN of affected MO]
Corruption in the database for replica [rplId] in the internal database partition
(shard) [shrdId] for service [name]
```

### Explanation

This fault occurs when a controller reports data in the internal datastore for a given service has been corrupted.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check for errors regarding the disks in the controller
  - Step 2** Check the error logs on the controller to see if there is any additional information.
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0320 - fltVnsAL4L7ServiceFaultServiceMinorFault

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0320][configuration-failed][minor][DN of affected MO]
configuration failed *[faultMessage]*Graph configuration resulted in
*[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant
[priKey] for graph [priKey] with id [id], function [key]Graph configuration
resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey]
in tenant [priKey] for graph [priKey] with id [id]Graph configuration resulted in
*[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant
[priKey]Device configuration resulted in *[faultMessage]* for [name] on device
[name] in cluster [name] in tenant [name]Device configuration resulted in
*[faultMessage]* for [name] on device [name] in cluster [priKey] in tenant
[priKey]Cluster configuration resulted in *[faultMessage]* for [name] on cluster
[name] in tenant [tnDn]Cluster configuration resulted in *[faultMessage]* for
[name] in tenant [name]Graph configuration resulted in *[faultMessage]*
```

### Explanation

This fault occurs when the L4-L7 service returns a minor fault

### Recommended Action

If you see this fault, please refer to L4-L7 device vendor documentation.

## F0321 - fItlInfraWiNodeHealth

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0321][unhealthy][critical][DN of affected MO]
Controller [id] is unhealthy because: [health]
```

### Explanation

This fault occurs when a controller reports the distributed internal database (data layer) of the controller cluster is not fully functional.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check cluster connectivity. All controllers need to be listed and reported as available.
  - Step 2** Ensure that the cluster configuration is stable. Make note of any any frequent and brief interruptions of cluster availability or prolonged unavailability.
  - Step 3** If any controllers are missing from the cluster, check if those controllers are accessible via other means like ssh.
  - Step 4** Check for other faults related to cluster health and availability
  - Step 5** Check that all services are up and running on all controllers.
  - Step 6** Check for any process crashes and cores.
  - Step 7** If there are core files, collect them for Cisco TAC.
  - Step 8** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0323 - fItlInfraServiceHealth

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0323][unhealthy][critical][DN of affected MO] Lost
connectivity to leader for some data subset(s) of [name] on controller [id]
```

### Explanation

This fault occurs when a controller reports it has lost connectivity to the replica leader for one or more data subsets of specific service. The service cannot process request in this state.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check cluster connectivity. All controllers need to be listed and reported as available.
  - Step 2** Ensure that the cluster configuration is stable. Make note of any any frequent and brief interruptions of cluster availability or prolonged unavailability.
  - Step 3** Check that the service in question is running on all controllers.
  - Step 4** Check for any process crashes and cores.
  - Step 5** If there are core files, collect them for Cisco TAC.

**Step 6** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0324 - fltVnsAL4L7ServiceFaultServiceMajorFault

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0324][configuration-failed][major][DN of affected MO]
configuration failed *[faultMessage]*Graph configuration resulted in
*[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant
[priKey] for graph [priKey] with id [id], function [key]Graph configuration
resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey]
in tenant [priKey] for graph [priKey] with id [id]Graph configuration resulted in
*[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant
[priKey]Device configuration resulted in *[faultMessage]* for [name] on device
[name] in cluster [name] in tenant [name]Device configuration resulted in
*[faultMessage]* for [name] on device [name] in cluster [priKey] in tenant
[priKey]Cluster configuration resulted in *[faultMessage]* for [name] on cluster
[name] in tenant [tnDn]Cluster configuration resulted in *[faultMessage]* for
[name] in tenant [name]Graph configuration resulted in *[faultMessage]*
```

### Explanation

This fault occurs when the L4-L7 service returns a major fault

### Recommended Action

If you see this fault, please refer to L4-L7 device vendor documentation.

## F0325 - fltInfraLoNodeHealth

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0325][unhealthy][critical][DN of affected MO]
Connectivity has been lost to the leader for some data subset(s) of a service on
controller [id], the service may have unexpectedly restarted or failed.
```

### Explanation

This fault occurs when a controller reports it has lost connectivity to the cluster replica leader for one or more data subsets for a service. The service cannot process requests in this state.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check cluster connectivity. All controllers need to be listed and reported as available.
  - Step 2** Ensure that the cluster configuration is stable. Make note of any any frequent and brief interruptions of cluster availability or prolonged unavailability.
  - Step 3** Check that the service in question is running on all controllers.
  - Step 4** Check for any process crashes and cores.
  - Step 5** If there are core files, collect them for Cisco TAC.
  - Step 6** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0329 - fltVnsScriptRTInfoScriptRunTimeInfo

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0329][configuration-failed][major][DN of affected MO]
Device Package from [priKey] for [priKey] version [priKey] has stopped and restart
count has exceeded maximum attempts
```

### Explanation

This fault occurs when there is a failure in starting the service script

### Recommended Action

If you see this fault, please contact L4-L7 device vendor.

## F0330 - fltVnsScriptRTInfoScriptFunctions

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0330][configuration-failed][major][DN of affected MO]
Device Package from [priKey] for [priKey] version [priKey] is missing the
following functions: [moduleStatus]
```

### Explanation

This fault occurs when there is missing function in device package

### Recommended Action

If you see this fault, please contact L4-L7 device vendor for a more recent version of device package.

## F0338 - fltOspfInstInstMemAlertCritical

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0338][memory-usage][warning][DN of affected MO] OSPF
instance [name] is critically low in memory
```

### Explanation

This fault occurs when the ospf instance memory alert is critical

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of ospf enabled interfaces
  - Step 4** Reduce the number of routes into ospf
  - Step 5** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0341 - fltDhcpClientIfOperStFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0341][oper-state-failed][major][DN of affected MO]  
DHCP Client interface operational state failed
```

### Explanation

This fault occurs when the operational state of the dhcp client interface changes to failed state

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Check the network connectivity between APIC controller and the node
  - Step 2** Try rebooting the switch using CLI or GUI.
  - Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0344 - fltIgmppsnoopInstIgmSnoopLocalLearningDisabledFault

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0344][oper-state-failed][major][DN of affected MO]  
IGMP Snooping local learning is disabled
```

### Explanation

This fault occurs when the igmp snooping local learning is disabled

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Reduce the number of multicast groups in the network behind the leaf node
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0345 - fltIgmppsnoopInstIgmSnoopFabricLearningDisabledFault

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0345][oper-state-failed][major][DN of affected MO]  
IGMP Snooping fabric learning is disabled
```

### Explanation

This fault occurs when the igmp snooping fabric learning is disabled

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Reduce the number of multicast groups in the fabric
- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0350 - fltLldpAdjEpAdjStMultipleNbrs

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0350][oper-state-failed][warning][DN of affected MO]
Multiple neighbors discovered on port [id]
```

### Explanation

This fault occurs when multiple neighbors are discovered on the interface

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0351 - fltLldpAdjEpAdjStPortVlanMismatch

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0351][config-mismatch][critical][DN of affected MO]
LLDP neighbor is bridge and its port vlan [portVlan] mismatches with the local
port vlan [portVlan]
```

### Explanation

This fault occurs when the port vlan mismatch happens with the value sent by the neighbor

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the peer for mismatch
- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0360 - fltIsisFmcastTreeTreeInactive

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0360][oper-state-inactive][warning][DN of affected MO]
Tree id [id] with root [root] became inactive
```

### Explanation

This event occurs when the oper state of a Mcast tree changes to inactive.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F0361 - fltIsisFmcastTreeTreeLargeDia****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0361][tree-diameter-too-large][warning][DN of affected MO] Tree id [id] with root [root] has large dia [diameter]
```

**Explanation**

This event occurs when the tree diameter of a Mcast tree is deemed large.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F0377 - fltIsisInstInstMemAlertCritical****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0377][memory-usage][warning][DN of affected MO] ISIS instance is critically low in memory
```

**Explanation**

This fault occurs when the isis instance memory alert is critical

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F0378 - fltIsisInstInitError****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0378][oper-state-failed][major][DN of affected MO] ISIS [name] An unrecoverable software error has occurred during startup.
```

**Explanation**

None set.

**Recommended Action**

If you see this fault, take the following actions:

---

- Step 1** Try shutting down and restarting the ISIS instance.
- Step 2** If the above does not work try rebooting the switch.
- Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

**F0379 - fttlisisDomSeqInitError****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0379][oper-state-failed][major][DN of affected MO]
Failed to enable ISIS process for VRF [name] after sequence number wrap holddown.
```

**Explanation**

This fault usually occurs when process does not continue normally after a sequence number wrap.

**Recommended Action**

If you see this fault, take the following actions:

---

- Step 1** Try shutting down and restarting the ISIS instance.
- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

**F0381 - fttlisisDomProtoError****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0381][oper-state-failed][major][DN of affected MO]
Failed to bring up protocol on the VRF [name].
```

**Explanation**

This fault usually occurs when protocol bring up on a VRF fails.

**Recommended Action**

If you see this fault, take the following actions:

---

- Step 1** Try shutting down and restarting the ISIS instance.
- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0382 - fltIsisDomUribError

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0382][urib-error][major][DN of affected MO] Failed to export/import routes to Unicast Routing Info Base (URIB) for VRF [name].
```

### Explanation

This fault usually occurs when route-updates to/from unicast-routing-info-base fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Try shutting down and restarting the ISIS instance.
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0387 - fltIsisInstMtsError

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0387][mts-error][major][DN of affected MO] ISIS process [name] has encountered an inter-process communication error.
```

### Explanation

This fault usually occurs when inter-process communication error happens.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Try shutting down and restarting the ISIS instance.
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0391 - fltIsisIfInitError

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0391][init-error][major][DN of affected MO] ISIS process encountered error in bringing up protocol on the interface [id]
```

### Explanation

This fault usually occurs when ISIS interface specific initialization fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Try shutting down and restarting the ISIS instance.

- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0394 - fttlslslfLvlProtocolError

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0394][proto-error][major][DN of affected MO] Software error encountered during protocol processing for interface
```

### Explanation

This fault usually occurs when ISIS interface specific protocol handling fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Try shutting down and restarting the ISIS instance.
- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F0395 - fttlslslInstHAError

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0395][pss-error][major][DN of affected MO] ISIS process ([name]) encountered error during recovery of HA state. Stateful HA will be disabled.
```

### Explanation

This fault usually occurs when ISIS High-Availability recovery fails.

### Recommended Action

System will continue in grace-ful switchover or cold-start mode as fallback mode. Please generate the **show tech-support** file and contact Cisco TAC if the condition persists.

## F0396 - fttlslslInstDupSysIdError

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0396][proto-error][minor][DN of affected MO] ISIS process ([name]) has detected duplicate system Id. Check your configured NET value
```

### Explanation

This fault usually occurs when ISIS detects duplicate system Id in the network.

### Recommended Action

Please change the "net" configured for this ISIS instance or on the peer-system.

## F0397 - fltAaaRadiusProviderRadiusProviderInoperable

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0397][inoperable][minor][DN of affected MO] Radius  
Provider [name] unreachable
```

### Explanation

This fault occurs when the Radius Provider is not operational.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify the IP address and path to the Radius provider are still active and functioning.
  - Step 2** Ensure the configuration on the Radius provider has not changed.
  - Step 3** Verify that the Radius provider is still functioning properly
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0398 - fltAaaLdapProviderLdapProviderInoperable

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0398][inoperable][minor][DN of affected MO] Ldap  
Provider [name] unreachable
```

### Explanation

This fault occurs when the LDAP provider is not operational.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify the IP address and path to the LDAP provider are still active and functioning.
  - Step 2** Ensure the configuration on the LDAP provider has not changed.
  - Step 3** Verify that the LDAP provider is still functioning properly
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0400 - fltAaaTacacsPlusProviderTacacsPlusProviderInoperable

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0400][inoperable][minor][DN of affected MO] Tacacs+  
Provider [name] unreachable
```

### Explanation

This fault occurs when the TACACS+ provider is not operational.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify the IP address and path to the TACACS+ provider are still active and functioning.
  - Step 2** Ensure the configuration on the TACACS+ provider has not changed.
  - Step 3** Verify that the TACACS+ provider is still functioning properly
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F0401 - fltEqptdiagSubjUnsupported****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0401][diag-failed][minor][DN of affected MO]
Diagnostics test not supported.
```

**Explanation**

This fault occurs when a diagnostic test is not supported.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F0402 - fltEqptdiagSubjNotAccessible****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0402][equipment-failed][minor][DN of affected MO]
Diagnostics test not accessible.
```

**Explanation**

This fault occurs when a diagnostic test subject is not accessible.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0403 - fltEqptdiagOnDSubjUnsupported

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0403][diag-failed][minor][DN of affected MO] Ondemand diagnostics test not supported.
```

### Explanation

This fault occurs when a on-demand diagnostic test is not supported.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0404 - fltEqptdiagOnDSubjNotAccessible

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0404][equipment-failed][minor][DN of affected MO] Ondemand diagnostics test not accessible.
```

### Explanation

This fault occurs when a on-demand diagnostic test subject is not accessible.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0411 - fltEqptPsuFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0411][equipment-failed][minor][DN of affected MO] Power supply failed. (serial number [ser])
```

### Explanation

This fault occurs when psu is failed

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Replace the power supply unit
  - Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F0412 - fltEqptPsuFanFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0412][equipment-failed][minor][DN of affected MO] Fan
in power supply failed
```

### Explanation

This fault occurs when the fan in th psu is failed

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Replace the power supply unit
- Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F0415 - fltEqptCardMismatchSlot

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0415][mismatch-slot][major][DN of affected MO]
Supervisor powered up in wrong slot (Serial number [ser])
```

### Explanation

This fault typically occurs when the SUP is inserted in the wrong slot

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Insert the SUP in the correct slot
- Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F0416 - fltEqptCardUnknownSwld

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0416][card-swid-unknown][major][DN of affected MO]
Unknown software card id
```

### Explanation

This fault typically occurs when a card with an unknown card id is inserted in the chassis

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Remove the card from the chassis
- Step 2** Fix the software card index to one of the known types

- Step 3** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F0418 - fltVzAnyConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0418][configuration-failed][minor][DN of affected MO]
Configuration failed for [name], [name] [name] [name]
```

### Explanation

This fault occurs when a Contract, with a scope set as something other than Context, is added to an 'EPG Collection for Context' in a Private Network

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at each Contract associated to the Private Network's 'EPG Collection for Context'
- Step 2** Verify that all of these Contracts have a scope of "Context"
- Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0440 - fltEqptSpromSpromFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0440][sprom-failed][major][DN of affected MO] Sprom
failed [errRsn]
```

### Explanation

This fault usually occurs if the backplane sprom is corrupted

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Fix the sprom contents
- Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F0441 - fltEqptSpromBPBadIDPROM

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0441][bp-idprom-failed][major][DN of affected MO]
Chassis IDPROM is invalid
```

### Explanation

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F0454 - fltLldplfPortOutOfService****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0454][wiring-check-failed][major][DN of affected MO]
Port [id] is out of service due to [wiringIssues]
```

**Explanation**

None set.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Ensure the device connected to the port is the correct device.
  - Step 2** Ensure the device connected to the port is configured properly for the fabric it is being connected to.
  - Step 3** If the device being connected is being reprovisioned from another fabric, ensure that the config on that device has been factory reset
  - Step 4** If above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F0467 - fltFvNwIssuesConfig-failed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0467][configuration-failed][minor][DN of affected MO]
Configuration failedConfiguration failed for [epgPKey] node [id] [pathName] on FEX
[extChId] due to [configQual]Configuration failed for [epgPKey] node [id]
[pathName] due to [configQual]Configuration failed for node [id] [targetDn] due
to [configQual]Configuration failed for [tDn] due to [configQual]Configuration
failed for node [id] due to [configQual]Configuration failed for [epgPKey] due to
[configQual]Configuration failed for [epgDn] due to [configQual]
```

**Explanation**

This fault occurs when an End Point Group is incompletely or incorrectly configured.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Look at the configuration for issues
  - Step 2** For bd-not-present, this could be a temporary issue when the bridge domain has not yet been deployed to the node. If the EPG is associated with the default bridge domain, check the Connectivity Instrumentation Policy

- Step 3** For context-not-present, this could be a temporary issue while the private network has not yet been deployed to the node. If the EPG is associated with the default private network, check the Connectivity Instrumentation Policy
- Step 4** For vlan-capacity, check that the number of configured EPGs and bridge domains deployed on a node do not exceed the supported number
- Step 5** For vxlan-capacity, check that the number of configured EPGs, bridge domains and private networks deployed on a node do not exceed the supported number
- Step 6** For invalid-path, check that the configured path exists and is valid. Following issues are possible: The path (i.e. port/port-channel/Attachable-Profile/Loose-Node) getting referred does not exist on the node. The domain associated with the EPG is not allowed to use the specified path. Check the Attachable Profile configuration associated with the domain. The path (i.e. port/port-channel/Attachable-Profile/Loose-Node) is deployed on FEX and is part of I2Out/I3Out. I2Out and I3Out are NOT supported on FEX
- Step 7** For port-part-of-port-channel, the configured interface is already configured as a port channel member
- Step 8** For port-configured-as-l3, the configured interface is already configured as L3
- Step 9** For port-configured-as-l2, the configured interface is referring to an interface that is already configured as L2
- Step 10** For port-configured-for-fex, the configured interface is already configured for attaching to a FEX
- Step 11** For port-configured-for-apic, the configured interface is connected to a controller
- Step 12** For port-channel-capacity, check that the number of configured port channels deployed on a node do not exceed the supported number
- Step 13** For native-or-untagged-encap-failure, multiple encaps are configured as native or untagged on the same path. Check the configured mode type
- Step 14** For multiple-external-encap, a bridge domain can be extended outside the fabric using only one external encap per node
- Step 15** For multiple-ctx-configuration, an L3 interface can belong to only 1 private network at a time
- Step 16** For encap-already-in-use, another EPG is already configured using this encap
- Step 17** For invalid-vlan, this EPG's encap is not valid for the domain on which the EPG is configured
- Step 18** For path-wiring-issues, the configured interface has wiring issues
- Step 19** For further details, refer to the documentation for fv:NwIssues
- Step 20** Verify the End Point Group configuration is correct and complete
- Step 21** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC.**

## F0468 - fltFvCtxConfigIssuesConfig-failed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0468][configuration-failed][minor][DN of affected MO]
Ctx Configuration failedCtx Configuration failed for [ctxDn] due to [configQual]
```

### Explanation

This fault occurs when an A given Ctx configured to use a DNS Profile which doesn't configured In Fabric. Only DNS Profiles configured for fabric can be used

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** For dns-policy-not-present issue: Check the Configuration and make sure that DNS Profile consumed by Ctx is defined in fabric
- Step 2** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

**F0469 -fltFvBDConfigIssuesConfig-failed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0469][configuration-failed][minor][DN of affected MO]
BD Configuration failedBD Configuration failed for [bdDn] due to [configQual]
```

**Explanation**

This fault occurs when there is one or more duplicate Subnets defined for BDs or/and AEPGs associated with the Ctx.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** For duplicate-subnets-within-ctx issue: Find the Ctx that this BD is associated with and find all other BDs associated with the Ctx, Find all the AEPGs associated with BDs found in previous step, Verify that there is no single subnets configured for AEPGs and BDs associated with Ctx.
- Step 2** For dhcp-policy-not-present issue: Check the Configuration and make sure that DHCP Pelay Profile consumed by BD is defined in Tenant.
- Step 3** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

**F0471 -fltEqptAsicAsicFailed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0471][asic-failed][major][DN of affected MO] ASIC
failed on slot SLOT:[id] (Serial number [ser]).
```

**Explanation**

This fault occurs when an ASIC on a card sees a fatal failure during runtime

**Recommended Action**

If a card is in the fail state, collect the show techsupport command output on the switch and contact Cisco TAC to eliminate any known software issues before replacing the hardware.

## F0474 - fltTunnelfHwProgFail

### Syslog Message

%LOG\_LOCAL0-2-SYSTEM\_MSG [F0474][hwprog-fail][major][DN of affected MO] Hardware programming for tunnel interface failed.

### Explanation

This fault occurs when tunnel manager fails to create a tunnel due to hardware failure.

### Recommended Action

To correct this fault, please attempt to create the tunnel again.

## F0475 - fltTunnelfDestUnreach

### Syslog Message

%LOG\_LOCAL0-2-SYSTEM\_MSG [F0475][dest-unreach][major][DN of affected MO] Tunnel destination is not reachable.

### Explanation

This fault occurs when destination becomes unreachable.

### Recommended Action

To correct this fault, please ensure that the destination is reachable.

## F0482 - fltTunnelfDestIPUnres

### Syslog Message

%LOG\_LOCAL0-2-SYSTEM\_MSG [F0482][desip-unres][major][DN of affected MO] Tunnel destination IP address is not resolved.

### Explanation

This fault occurs when destination IP address is unresolved.

### Recommended Action

To correct this fault, please ensure that the destination IP address is resolved./

## F0507 - fltVpcDomFabricLinksDown

### Syslog Message

%LOG\_LOCAL0-2-SYSTEM\_MSG [F0507][fabric-links-down][major][DN of affected MO] vPC domain bringup failed, all fabric links down.

### Explanation

This fault occurs when vpc domain bringup fails due to all fabric links being down.

**Recommended Action**

Please verify fabric connectivity of the switch.

**F0508 - fltVpcDomPeerRouteDown****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0508][peer-route-down][major][DN of affected MO] vPC domain bringup failed, no route to peer.
```

**Explanation**

This fault occurs when vpc domain bringup fails because there is no route to peer.

**Recommended Action**

Please verify peer configuration and fabric connectivity.

**F0509 - fltVpcDomPeerUnrch****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0509][peer-unrch][major][DN of affected MO] vPC domain bringup failed, peer unreachable.
```

**Explanation**

This fault occurs when vpc domain bringup fails due to peer being unreachable.

**Recommended Action****F0510 - fltVpcDomDomCompatFail****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0510][dom-compat-fail][major][DN of affected MO] vPC domain bringup failed, domain compat failed.
```

**Explanation**

This fault occurs when vpc domain bringup fails due to domain compatibility failure.

**Recommended Action**

Please verify domain configuration on both the peers.

## F0511 - fltVpcDomElectionErr

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0511][election-err][major][DN of affected MO] vPC domain bringup failed, error in election.
```

### Explanation

This fault occurs when vpc domain bringup fails due to election error.

### Recommended Action

Please make sure that domain configuration is consistent with the peer.

## F0512 - fltVpcDomOobNotUp

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0512][oob-not-up][major][DN of affected MO] vPC domain bringup failed, keepalive not operational.
```

### Explanation

This fault occurs when vpc domain bringup fails due to keepalive being inoperational.

### Recommended Action

Please verify keepalive configuration on both the peers.

## F0513 - fltVpcDomGlobalCompatFail

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0513][global-compat-fail][major][DN of affected MO] Global configuration is not consistent with peer ([compatQualStr]).
```

### Explanation

This fault occurs when global configuration on the peers is not consistent.

### Recommended Action

Please make sure that global configuration is consistent with the peer.

## F0518 - fltVpcIflfCompatFail

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0518][if-compat-fail][major][DN of affected MO] VPC [name] configuration is not consistent with peer ([compatQualStr]).
```

### Explanation

This fault occurs when vPC configuration on the peers is not consistent.

**Recommended Action**

Please make sure that the vPC configuration is consistent with the peer.

**F0520 - fltVpcKeepaliveKeepaliveSendFail****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0520][keepalive-send-fail][critical][DN of affected MO] Peer keep-alive send has failed.
```

**Explanation**

This event occurs when peer keep-alive send has failed.

**Recommended Action****F0522 - fltVpcKeepaliveKeepaliveRecvFail****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0522][keepalive-recv-fail][critical][DN of affected MO] Peer keep-alive receive has failed.
```

**Explanation**

This event occurs when peer keep-alive receive has failed.

**Recommended Action****F0523 - fltFvATgConfigurationFailed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0523][configuration-failed][minor][DN of affected MO] Configuration failed for EPG [name] due to [configIssues]Configuration failed for [name], [name] [name] [name] due to [configIssues]Configuration failed for [name], [name] [name] [name] due to [configIssues]Configuration failed for [name], [name] [name] [name] due to [configIssues]Configuration failed for [name], [name] [name] [name] due to [configIssues]Configuration failed for [name], [name] [name] [name] due to [configIssues]
```

**Explanation**

This fault occurs when an End Point Group is incompletely or incorrectly configured.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Look at the configuration for issues
  - Step 2** Verify the End Point Group configuration is correct and complete
  - Step 3** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F0524 - fltFvStCEpConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0524][configuration-failed][minor][DN of affected MO]
For [name], application profile [name], application EPG [name], configuration
failed for static end-point [name] due to missing path
```

### Explanation

This fault occurs when Static Endpoing is incompletely configured.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Specify on which path the static endpoint is present
  - Step 2** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F0532 - fltEthpmlfPortDownInfraEpg

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0532][port-failure][critical][DN of affected MO] Port
is down, reason:[operStQual]([operErrDisQual]), used by:[usage]
```

### Explanation

This fault occurs when a port is unconnected and is in use for infra and epg

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Check the port connectivity
  - Step 2** Remove the configuration or administratively shut the port if the port is not in use

## F0543 - fltEthpmlfPortDownInfraNoEpg

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0543][port-failure][major][DN of affected MO] Port is
down, reason:[operStQual]([operErrDisQual]), used by:[usage]
```

### Explanation

This fault occurs when a port is unconnected and is in use for infra and no epg

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Check the port connectivity
  - Step 2** Remove the configuration or administratively shut the port if the port is not in use

## F0546 - fltEthpmlfPortDownNoInfra

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0546][port-failure][warning][DN of affected MO] Port
is down, reason:[operStQual]([operErrDisQual]), used by:[usage]
```

### Explanation

This fault occurs when a port is unconnected and is not in use for infra

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Check the port connectivity
  - Step 2** Remove the configuration or administratively shut the port if the port is not in use

## F0564 - fltVmmCtrlrPConfigFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0564][configuration-failed][minor][DN of affected MO]
Controller profile [hostOrIp] with name [name] in datacenter [rootContName] in
domain [name] configuration failed due to [configIssues]
```

### Explanation

This fault is raised when the VMM Controller cannot be deployed due to a missing or invalid configuration.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the policy for the VMM Controller is complete.
  - Step 2** Review the fault message and add missing or remove invalid configuration.
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0565 - fltVmmEpPDDeployFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0565][deployment-failed][major][DN of affected MO]
Deployment of EPG [faultDKKey] failed on domain [name] due to [deployIssues]
```

### Explanation

This fault is raised when the Endpoint Group cannot be deployed due to a missing or invalid configuration.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that a VLAN pool is associated to the VMM Domain.
- Step 2** Review the fault message and add missing or remove invalid configuration.
- Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0600 - fltPcAggrMbrlfPortSuspended

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0600][port-suspended][major][DN of affected MO] Port is suspended.
```

### Explanation

This fault occurs when port has been suspended by LACP.

### Recommended Action

Please verify the configuration on both ends of the port-channel.

## F0601 - fltPcAggrMbrlfPortHotStandby

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0601][port-hot-standby][minor][DN of affected MO] Port goes to hot-standby.
```

### Explanation

This fault occurs when port goes to hot standby.

### Recommended Action

## F0603 - fltPcAggrMbrlfPortIndividual

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0603][port-individual][minor][DN of affected MO] Port is operationally individual.
```

### Explanation

This fault occurs when port becomes operationally individual.

### Recommended Action

Please verify the configuration on both ends of the port-channel.

## F0618 - fltMgmtNodeDefMgmtAddressNotAllocated

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0618][configuration-failed][minor][DN of affected MO]
Management address is not allocated to node [id]Out-of-band management address is
not allocated to node [id]In-band management address is not allocated to node [id]
```

### Explanation

This fault occurs when a management node address is not allocated to a node.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Create a node management address policy for the node.
  - Step 2** Ensure that there are no other faults related to the node management address policy.
  - Step 3** If above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0650 - fltTraceroutePoliciesSrcMissingSrcIp

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0650][missing-ip-addr][warning][DN of affected MO] IP
Address Missing for Source Endpoint with MAC [tDn] in Endpoint Group [tDn] in
Application [tDn] in Tenant [tDn]
```

### Explanation

This fault occurs when the source Endpoint IP address that the traceroute policy is configured to run with is not found in the fabric.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the configured source Endpoint IP address in the Traceroute Policy exists in the fabric and is correct
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0657 - fltTracerouteRsTrEpDstMissingDestIp

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0657][missing-ip-addr][warning][DN of affected MO] IP Address Missing for Destination Endpoint with MAC [tDn] in Endpoint Group [tDn] in Application [tDn] in Tenant [tDn]
```

### Explanation

This fault occurs when the destination Endpoint IP address that the traceroute policy is configured to run with is not found in the fabric.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the configured destination Endpoint IP address in the Traceroute Policy exists in the fabric and is correct
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0699 - fltInfraHostCfgConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0699][configuration-failed][minor][DN of affected MO] Policies from switch interface policy group [accGrpDn] failed to be deployed on node [id]. Reason: [deplSt]
```

### Explanation

: All policies associated with the configured Fex/Port Policy Group should get deployed to all nodes associated with the configured Fex/Port Selector Profiles for the Node Profile. A Fault has been raised because the associated policies have not been deployed to the configured node.

### Recommended Action

: If you see this fault take the following actions: - Verify that configured node is ready to receive policies - Verify that configured node is capable of handling the associated access Fex/Port level policies - If the listed recommendations do not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F0700 - fltInfraAFuncConfigFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0700][configuration-failed][minor][DN of affected MO] Deployment of function [name] failed due to error: [configIssues]
```

### Explanation

Infra Policy fault is raised when the configured Function cannot be deployed due to a missing or invalid configuration.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Review the fault message to identify configuration issue.
  - Step 2** Modify configuration to add any missing parameters.
  - Step 3** Modify configuration to remove any invalid configuration parameters.
  - Step 4** If the listed recommendations do not resolve the issue, collect **tech-support** file and contact Cisco TAC.

**F0701 - fltInfraADomPConfigFailed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0701][configuration-failed][minor][DN of affected MO]
Deployment of Domain [name] failed due to [configIssues]
```

**Explanation**

Infra Policy fault is raised when the configured Domain cannot be deployed due to a missing or invalid configuration.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Review the fault message to identify configuration issue.
  - Step 2** Modify configuration to add any missing parameters.
  - Step 3** Modify configuration to remove any invalid configuration parameters.
  - Step 4** If the listed recommendations do not resolve the issue, collect **tech-support** file and contact Cisco TAC.

**F0721 - fltFvnsAInstPConfigFailed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0721][configuration-failure][minor][DN of affected MO]
VLAN/VxLAN/NVGRE pool [name] deployment failed due to: [configIssues].
```

**Explanation**

This fault is raised when a VLAN/VxLAN/NVGRE pool cannot be deployed due to a missing or invalid configuration.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Review the fault message and correct the invalid configuration.
  - Step 2** If the above actions did not resolve the issue, collect a **tech-support** file and contact Cisco TAC.

## F0749 - fltFabricProtGEpConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0749][configuration-failed][warning][DN of affected MO] Failed to configure the vPC policy for the vPC pair [id] and a virtual IP address of [virtualIp] because: [configQual]
```

### Explanation

This fault occurs when a virtual Port Channel (vPC) policy is created but it has not been deployed yet (for example in a pre-provisioning scenario) and at least one of the following are conditions true:

- 
- Step 1** At least one of the fabric nodes that is part of the vPC is not ready
  - Step 2** The IP address for at least one of the fabric nodes is unknown
  - Step 3** One of the fabric nodes that is part of the vPC pair is already paired with another node (each node can only be part of one vPC pair)
  - Step 4** One of the fabric nodes is not a leaf (vPC pairs can only be formed between two leaves)
  - Step 5** The Virtual Ip address has been not allocated yet
  - Step 6** The Logical Pair Id has not been allocated yet

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that corresponding fabric nodes are ready
  - Step 2** Verify that corresponding fabric nodes are ready
  - Step 3** Verify that corresponding fabric nodes are leaf
  - Step 4** Verify that the fabric node is not already part of another protection group
  - Step 5** In case of fabricExplicitGEp, verify that the pair id is set
  - Step 6** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0750 - fltFabricProtGEpOperStateChange

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0750][oper-state-change][minor][DN of affected MO] The vPC policy for the vPC pair [id] and a virtual IP address of [virtualIp] has changed state because: [configQual]
```

### Explanation

This fault is occurs when a vPC policy has been deployed to a fabric node, then at least one of the following conditions is true:

- 
- Step 1** One of the fabric nodes that is part of the vPC is not ready
  - Step 2** The fabric node ip address is not known
  - Step 3** One of the fabric nodes is not a leaf (vPC pairs can only be formed between two leaves)

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that corresponding fabric nodes are ready
  - Step 2** Verify that corresponding fabric nodes are leafs
  - Step 3** Verify that the fabric node is not already part of another protection group
  - Step 4** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F0751 - fltFabricProtGEpOperStateFail****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0751][oper-state-fail][critical][DN of affected MO]
The vPC policy for the vPC pair [id] and a virtual IP of [virtualIp] has a state
of [configSt] because: [configQual]
```

**Explanation**

This fault occurs when a virtual Port Channel (vPC) policy is no longer deployed because both of the member fabric nodes that are part of the vPC pair are not ready to receive policies

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that corresponding fabric nodes are ready to receive policies
  - Step 2** Verify that corresponding fabric nodes are leafs
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F0756 - fltPoINToRefMismatchTarget****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0756][resolution-failed][minor][DN of affected MO]
Could not resolve the target [tRn] to form a named relationship. Using a default
target [tDn] instead
```

**Explanation**

This fault occurs when a configured target of a named relationship cannot be resolved.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the configuration for the named target is correct and complete, and that it exists
  - Step 2** Verify the configuration for the specific relationship is correct and complete.
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F0757 - fltVnsAbsGraphValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0757][configuration-failed][minor][DN of affected MO]
Service graph template [name] for tenant [name] configuration is invalid.
```

### Explanation

This fault occurs due to an invalid service graph configuration.

### Recommended Action

If you see this fault, please modify service graph configuration to fix validation errors.

## F0758 - fltVnsGraphInstRenderingFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0758][graph-rendering-failed][minor][DN of affected
MO] Service graph [name] for tenant [name] could not be instantiated. Info:
[configInfo]
```

### Explanation

This fault occurs when a service graph could not be instantiated.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at the graph configuration for issues
  - Step 2** For missing-lif, check for fault on LDev or check LDev specified in LDevCtx
  - Step 3** For function-type-mismatch-failure, check for valid MFunc in the MDev for selected LDev
  - Step 4** For missing-ldev-ctx, check if LDevCtx is defined under tenant
  - Step 5** For missing-lif, check that matching LIF for func connector exists
  - Step 6** For invalid-filter-referred-by-rsconntoft, check AbsFuncConn to filter relation is formed
  - Step 7** For missing-l3ctx, check that RsConnToCtxTerm points to valid tDn
  - Step 8** For param-cardinality-error, check that configuration parameter has valid cardinality, Graph param/rel can only have at most one instance
  - Step 9** For invalid-abstract-graph-config-param, check that all abstract graph configurations are valid
  - Step 10** For param-validation-failed, check that all specified params are valid
  - Step 11** For invalid-param-scope, check that RsScopeToTerm is configured and is pointing to valid terminal or terminal node. Or check that there is no missing default RsScopeToTerm in AbsConfig
  - Step 12** For invalid-conn-for-configparam, check that RsCfgToConn is configured in AbsConn and is pointing to a valid connector
  - Step 13** For invalid-rsmconnatt, check for valid RsMConn in AbsConn
  - Step 14** For missing-mandatory-param, check that all mandatory graph params and graph relations exist

## F0759 - fltVnsNodeInstNodeRenderingFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0759][graph-rendering-failure][minor][DN of affected MO] Service graph [name] for tenant [name] could not be instantiated. Function node [name] configuration is invalid.
```

### Explanation

This fault occurs when a service graph could not be instantiated.

### Recommended Action

If you see this fault, please modify graph configuration to resolve cause of fault.

## F0760 - fltVnsTermNodeInstNodeRenderingFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0760][graph-rendering-failure][minor][DN of affected MO] Service graph [name] for tenant [name] could not be instantiated. Terminal Node [name] configuration is invalid.
```

### Explanation

This fault occurs when a service graph could not be instantiated.

### Recommended Action

If you see this fault, please modify graph configuration to resolve cause of fault.

## F0761 - fltVnsGParamResolutionFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0761][configuration-failed][minor][DN of affected MO] Service graph for tenant [name] could not be instantiated. Configuration param [name] configuration is invalid. Service graph [graphDn] for tenant [name] could not be instantiated. Configuration param [name] for function node [name] configuration is invalid. Service graph [name] for tenant [name] could not be instantiated. Configuration param [name] for function node [name] configuration is invalid.
```

### Explanation

This fault occurs when a cfg parameter has an error..

### Recommended Action

If you see this fault, please modify your configuration to provide all needed parameters and folders.

## F0762 - fltVnsAbsFolderResolutionFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0762][configuration-failed][minor][DN of affected MO]
Configuration folder [name], which is in tenant [name] could not be
processed.Service graph template [name] for tenant [name] could not be processed.
Configuration folder [name] for function [name] configuration is invalid.Abstract
function profile [name] for tenant [name] could not be processed. Configuration
folder [name] for shared configuration of logical devices is invalid.
```

### Explanation

This fault occurs when a cfg parameter has an error..

### Recommended Action

If you see this fault, please modify your configuration to update service graph config parameters and folders.

## F0763 - fltVnsAbsParamResolutionFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0763][configuration-failed][minor][DN of affected MO]
Configuration parameter [name], which is in tenant [name] could not be
processed.Service graph template [name] for tenant [name] could not be processed.
Configuration param [name] for function [name] configuration is invalid.Abstract
function profile [name] for tenant [name] could not be processed. Configuration
param [name] for shared configuration of logical devices is invalid.
```

### Explanation

This fault occurs when a cfg parameter has an error..

### Recommended Action

If you see this fault, please modify your configuration to update service graph config parameters and folders.

## F0764 - fltVnsALDevConfMismatch

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0764][configuration-failed][minor][DN of affected MO]
L4-L7 Devices configuration [name] for tenant [name] is invalid.
```

### Explanation

This fault occurs when a logical device is being configured in a way which is not compatible with the meta device information supplied by the device package.

### Recommended Action

If you see this fault, please modify LDev configuration to resolve cause of fault.

## F0765 - fltVnsCDevConfMismatch

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0765][configuration-failed][minor][DN of affected MO]
Concrete device [name] in L4-L7 devices [name] for tenant [name] configuration is
invalid.
```

### Explanation

This fault occurs when a user provided Concrete device configuration is invalid. The config issues indicate the exact reason for the error.

### Recommended Action

If you see this fault, please modify CDev configuration to resolve cause of fault.

## F0766 - fltVnsGFolderResolutionFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0766][configuration-failed][minor][DN of affected MO]
Configuration folder [name], which is in tenant [name] could not be
instantiated.Service graph [name] for tenant [name] could not be instantiated.
Configuration folder [name] for function [name] has an error.Service graph
template [name] for tenant [name] could not be instantiated. Configuration folder
[name] for function [name] has an error.
```

### Explanation

This fault occurs when a config folder has an error. The config issues indicate the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration of the folder to resolve the cause of fault.

## F0768 - fltVnsGRelResolutionFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0768][configuration-failed][minor][DN of affected MO]
Configuration relation [name], which is in tenant [name] has an error.Service
graph [name] for tenant [name] could not be instantiated. Configuration relation
[name] for function [name] has an error.Service graph template [name] for tenant
[name] could not be instantiated. Configuration relation [name] for function
[name] has an error.
```

### Explanation

This fault occurs when a config GRel has an error. The config issues indicate the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration of the GRel to resolve the cause of fault.

## F0769 - fltVnsFuncConnInstValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0769][configuration-failed][minor][DN of affected MO]
Service graph [name] for tenant [name] could not be instantiated. Function
connector instance [name] for function node [name] configuration is invalid.
```

### Explanation

This fault occurs when a Function Connector (FuncConnInst) has an error. The config issues the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration to resolve the cause of fault.

## F0770 - fltVnsTermConnInstValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0770][configuration-failed][minor][DN of affected MO]
Service graph [name] for tenant [name] could not be instantiated. Terminal node
connector instance [name] for terminal node [name] configuration is invalid.
```

### Explanation

This fault occurs when a Terminal Connector (TermConnInst) has an error. The config issues the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration to resolve the cause of fault.

## F0771 - fltVnsConnectionInstValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0771][configuration-failed][minor][DN of affected MO]
Service graph [name] for tenant [name] could not be instantiated. Connection
instance [name] configuration is invalid.
```

### Explanation

This fault occurs when a Connection Inst (ConnectionInst) has an error. The config issues the exact reason for the error.

### Recommended Action

If you see this fault, please modify your configuration to resolve the cause of fault.

## F0772 - fltVnsALIfValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0772][configuration-failed][minor][DN of affected MO]
LIf configuration [name] for L4-L7 Devices [name] for tenant [name] is invalid.
```

### Explanation

This fault occurs when a Logical Interface configuration is invalid. The config issues the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration to resolve the cause of fault.

## F0843 - fltSyntheticATestObjPm-atetest

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0843][test-failure][critical][DN of affected MO]
Abstract Class ATestObj fault, name=[name], descr=[descr], pUint64=[propUint64],
propBmp8=[propBmp8], propBmp64=[propBmp64] propEnum16=[propEnum16].
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0844 - fltSyntheticTLTestObjPm-tltest

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0844][test-failure][minor][DN of affected MO] Concrete
Class TLTestObj fault, name=[name], descr=[descr], pUint32=[propUint32],
pUByte=[propUByte], propBmp8=[propBmp8], propBmp64=[propBmp64] [name].
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0845 - fltSyntheticCTestObjPm-ctest

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0845][test-failure][major][DN of affected MO] Concrete Class CTestObj () fault, name=[name], descr=[descr], pUint32=[propUint32], pUByte=[propUByte], propBmp8=[propBmp8], [propBmp64], [propBmp64] [propBmp64] [name]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0846 - fltSyntheticATestObjPe-atest

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F0846][test-failure][critical][DN of affected MO] Abstract Class ATestObj fault, name=[name], descr=[descr], pUint64=[propUint64].
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0847 - fltSyntheticTLTestObjPe-tltest

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0847][test-failure][minor][DN of affected MO] Concrete Class TLTestObj fault, name=[name], descr=[descr], pUint32=[propUint32], pUByte=[propUByte], propBmp8=[propBmp8], propBmp64=[propBmp64] [name] [address].
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0848 - fltSyntheticCTestObjPe-ctest

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F0848][test-failure][major][DN of affected MO] Concrete
Class CTestObj () fault, name=[name], descr=[descr], pUint32=[propUint32],
pUByte=[propUByte], propBmp8=[propBmp8], [propBmp64], [propBmp64] [propBmp64]
[name] [address]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F0849 - fltInfraSelectorIssuesConfig-failed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F0849][configuration-failed][minor][DN of affected MO]
Configuration failed due to [configQual] for node [name]Configuration failed due
to [configQual] for [dn] for node [name]
```

### Explanation

This fault occurs when an infra selector (port selector, card selector, node selector etc.) is incorrectly configured.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at the configuration for issues
  - Step 2** For invalid-port, check the infra port selector, it should have only leaf host ports or fex host ports. Fabric ports are not allowed to be configured using infra port selector.
  - Step 3** For port-configured-for-apic, check the infra port selector and the associated policies. Port connected to the controller can be configured for limited policies. Its allowed to be associated with only infra::AccPortGrp.
  - Step 4** For invalid-card, check the infra card selector, its referring to a card which does not exist. Fault will clear once the card is added to the node.
  - Step 5** For further details, refer to the documentation for fabric:SelectorIssues
  - Step 6** Verify the infra selector configuration is correct and complete
  - Step 7** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F0852 - fltActlRsToStsVNodeResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0852][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0853 - fltBgpRsPeerPfxPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0853][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0854 - fltCallhomeRsInvSchedulerResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0854][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0855 - fltCallhomeRsDestGroupRelResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0855][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0856 - fltCallhomeRsDestGroupResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0856][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0857 - fltCallhomeRsQueryGroupRelResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0857][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0859 - fltConditionRsNodeAaaRecRetPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0859][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0860 - fltConditionRsNodeEventRecRetPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0860][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0861 - fltConditionRsNodeFaultRecRetPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0861][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0862 - fltConditionRsNodeHealthRecRetPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0862][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0863 - fltConfigRsExportDestinationResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0863][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0864 - fltConfigRsExportSchedulerResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0864][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0865 - fltConfigRsImportSourceResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0865][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0866 - fltDatetimeRsNtpProvToNtpAuthKeyResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0866][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0867 - fltDbgacRsToEpForEpToEpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0867][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0868 - fltDbgacRsFromEpForEpToEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0868][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0869 - fltDbgacRsToLDevForEpToExtResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0869][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0870 - fltDbgacRsToEpForEpgToEpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0870][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0871 - fltDbgacRsToEpgForEpgToEpgResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0871][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0872 - fltDbgacRsToLDevForEpgToIpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0872][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0873 - fltDbgacRsFromLDevForExtToEpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0873][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0874 - fltDbgacRsFromEpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0874][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0875 - fltDbgacRsFromEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0875][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0876 - fltDbgacRsFromLDevForIpToEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0876][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0878 - fltDbgacRsToEpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0878][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0879 - fltDbgacRsToEpgResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0879][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0880 - fltDbgexpRsUserCtxResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0880][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0881 - fltDbgexpRsDataResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0881][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0882 - fltDbgexpRsExportDestResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0882][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0883 - fltDbgexpRsTSSchedulerResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0883][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0884 - fltAaaRsUserExportPolicyResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0884][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0885 - fltDhcpRsDhcpOptionPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0885][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0886 - fltDhcpRsRelayPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0886][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0887 - fltDhcpRsProvResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0887][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0888 - fltPolRsFirmwareRepoPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0888][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0889 - fltDnsRsDnsProfileResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0889][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0890 - fltEqptdiagpRsExtChCardOdDiagResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0890][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0891 - fltEqptdiagpRsFcOdDiagResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0891][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0892 - fltEqptdiagpRsFpOdDiagResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0892][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0893 - fltEqptdiagpRsLcOdDiagResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0893][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0894 - fltEqptdiagpRsLpOdDiagResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0894][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0895 - fltEqptdiagpRsSupCOdDiagResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0895][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0896 - fltEqptdiagpRsSysCOdDiagResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0896][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0897 - fltFabricRsMonModuleFabricPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0897][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0898 - fltFabricRsCallhomeInvPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0898][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0899 - fltFabricRsMonInstFabricPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0899][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0900 - fltFabricRsNodeCorePResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0900][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0901 - fltFabricRsNodeTechSupPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0901][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0902 - fltFabricRsPsulnstPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0902][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0903 - fltFabricRsMonIfFabricPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0903][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0904 - fltFabricRsAppCorePResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0904][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0905 - fltFabricRsAppMonPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0905][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0906 - fltFabricRsAppITechSupPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0906][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0907 - fltFabricRsCtrlrPGrpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0907][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0908 - fltFabricRsExtLeavesResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0908][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0909 - fltFabricRsLePortPGrpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0909][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0913 - fltFabricRsLeCardPGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0913][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0916 - fltFabricRsLeCardPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0916][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0917 - fltFabricRsLePortPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0917][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0918 - fltFabricRsLeNodePGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0918][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0919 - fltFabricRsCommPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0919][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0920 - fltFabricRsTimePolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0920][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0921 - fltFabricRsPodPGrpBGPRRPRResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0921][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0922 - fltFabricRsPodPGrpCoopPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0922][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0923 - fltFabricRsPodPGrpIsisDomPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0923][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0924 - fltFabricRsSnmpPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0924][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0925 - fltFabricRsPodPGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0925][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0926 - fltFabricRsVpclInstPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0926][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0927 - fltFabricRsSpPortPGrpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0927][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0940 - fltFabricRsSpCardPGrpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0940][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0943 - fltFabricRsSpCardPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0943][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0944 - fltFabricRsSpPortPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0944][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0945 - fltFabricRsSpNodePGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0945][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0946 - fltFirmwareRsFwgrppResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0946][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0947 - fltFvRsBDToOutResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0947][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0948 - fltFvRsBDToProfileResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0948][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0949 - fltFvRsBDToRelayPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0949][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0950 - fltFvRsBdFloodToResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0950][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0951 - fltFvRsBdToEpRetResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0951][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0952 - fltFvRsCtxResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0952][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0953 - fltFvRslgmpsnResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0953][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0954 - fltFvRsABDPolMonPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0954][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0955 - fltFvRsBdResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0955][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0956 - fltFvRsDomAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0956][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0957 - fltFvRsAEPgMonPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0957][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0959 - fltFvRsApMonPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0959][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0960 - fltFvRsBgpCtxPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0960][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0962 - fltFvRsCtxMcastToResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0962][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0963 - fltFvRsCtxToEpRetResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0963][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0964 - fltFvRsOspfCtxPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0964][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0965 - fltFvRsCtxMonPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0965][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0966 - fltFvRsDomDefNsLocalResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0966][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0967 - fltFvRsConsResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0967][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0970 - fltFvRsConsIfResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0970][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0971 - fltFvRsCustQosPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0971][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0973 - fltFvRsProtByResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0973][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0974 - fltFvRsProvResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0974][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0976 - fltFvRsBDSubnetToOutResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0976][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0977 - fltFvRsBDSubnetToProfileResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0977][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0978 - fltFvRsTnDenyRuleResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0978][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0979 - fltFvRsTenantMonPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0979][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0980 - fltFvRsVNodeResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0980][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0981 - fltInfraRsVlanNsResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0981][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0982 - fltInfraRsFuncToEpgResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0982][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0983 - fltInfraRsLacpPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0983][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0984 - fltInfraRsLacplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0984][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0988 - fltInfraRsMonModuleInfraPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0988][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0989 - fltInfraRsAttEntPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0989][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0990 - fltInfraRsCdplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0990][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0991 - fltInfraRsHlfPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0991][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0992 - fltInfraRsL2InstPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0992][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0993 - fltInfraRsLldplfPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0993][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0994 - fltInfraRsMonIfInfraPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0994][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0995 - fltInfraRsSpanVDestGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0995][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0996 - fltInfraRsSpanVSrcGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0996][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F0997 - fltInfraRsStplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0997][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0998 - fltInfraRsMonNodeInfraPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0998][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F0999 - fltInfraRsMstInstPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F0999][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1003 - fltInfraRsDomPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1003][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1004 - fltInfraRsOverrideCdplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1004][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1005 - fltInfraRsOverrideLacpPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1005][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1006 - fltInfraRsOverrideLldplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1006][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1007 - fltInfraRsCardPGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1007][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1008 - fltInfraRsConnFexSResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1008][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1009 - fltInfraRsConnPortSResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1009][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1010 - fltInfraRsInfraBDRResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1010][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1011 - fltInfraRsAccBaseGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1011][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1012 - fltInfraRsAccNodePGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1012][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1013 - fltInfraRsAccCardPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1013][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1014 - fltInfraRsAccPortPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1014][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1015 - fltInfraRsAccBndlSubgrpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1015][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1016 - fltIstisRsNhAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1016][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1017 - fltL2extRsEBdResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1017][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1018 - fltL2extRsL2DomAttResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1018][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1019 - fltL3extRsSubnetToProfileResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1019][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1020 - fltL3extRsEctxResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1020][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1021 - fltL3extRsL3DomAttResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1021][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1022 - fltLeqptRsLsAttLinkResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1022][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1023 - fltMaintRsMgrppResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1023][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1024 - fltMaintRsPolCtrlrSchedulerResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1024][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1025 - fltMaintRsPolNotifResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1025][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1026 - fltMaintRsPolSchedulerResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1026][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1027 - fltMgmtRsAddrInstResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1027][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1028 - fltMgmtRsMgmtBDRResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1028][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1029 - fltMgmtRsInbEpgResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1029][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1030 - fltMgmtRsOoBConsResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1030][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1031 - fltMgmtRsGrpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1031][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1032 - fltMgmtRsOoBProvResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1032][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1033 - fltMgmtRsOobEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1033][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1034 - fltOspfRslfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1034][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1035 - fltRbqmRsDisplaysQueryResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1035][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1036 - fltRbqmRsInitialResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1036][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1037 - fltRtctrlRsCtxPToSubjPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1037][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1038 - fltRtctrlRsScopeToAttrPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1038][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1040 - fltSnpRsDestGroupResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1040][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1041 - fltSpanRsDestEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1041][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1042 - fltSpanRsDestPathEpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1042][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1045 - fltSpanRsSrcToEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1045][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1046 - fltSpanRsSrcToPathEpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1046][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1048 - fltSpanRsDestToVPortResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1048][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1049 - fltSpanRsSrcToVPortResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1049][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1050 - fltSpanRsSrcToBDResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1050][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1051 - fltSpanRsSrcToCtxResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1051][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1052 - fltSpanRsVsrcToEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1052][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1053 - fltSyntheticRsPhysIfResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1053][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1054 - fltSyntheticRsPolicyResolveFail****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1054][resolution-failed][minor][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1055 - fltSyntheticRsToObjResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1055][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1056 - fltSyslogRsDestGroupResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1056][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1058 - fltTestinfralabRsSnacksResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1058][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1059 - fltTraceroutepRsTrEpDstResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1059][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1060 - fltTraceroutepRsTrEpSrcResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1060][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1062 - fltTrigRsTriggerableResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1062][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1063 - fltVmmRsAccResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1063][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1064 - fltVmmRsCtrlrPMonPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1064][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1065 - fltVmmRsMcastAddrNsResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1065][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1066 - fltVmmRsVmmCtrlrPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1066][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1067 - fltVmmRsVxlanNsResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1067][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1068 - fltVmmRsDefaultCdpIpfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1068][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1069 - fltVmmRsDefaultL2InstPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1069][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1070 - fltVmmRsDefaultLldplfPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1070][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1071 - fltVmmRsDefaultStplfPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1071][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1073 - fltVnsRsCfgToConnResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1073][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1074 - fltVnsRsCfgToVConnResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1074][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1075 - fltVnsRsScopeToTermResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1075][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1076 - fltVnsRsConnToCtxTermResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1076][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1077 - fltVnsRsConnToFltResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1077][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1079 - fltVnsRsMConnAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1079][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1080 - fltVnsRsDefaultScopeToTermResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1080][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1081 - fltVnsRsALDevToDomPResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1081][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1082 - fltVnsRsALDevToPhysDomPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1082][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1083 - fltVnsRsALDevToVxlanInstPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1083][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1084 - fltVnsRsDevEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1084][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1085 - fltVnsRsMDevAttResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1085][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1086 - fltVnsRsClfAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1086][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1087 - fltVnsRsMetalResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1087][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1088 - fltVnsRsConnectorResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1088][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1089 - fltVnsRsAbsConnectionConnsResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1089][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1090 - fltVnsRsProfToMFuncResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1090][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1091 - fltVnsRsNodeToAbsFuncProfResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1091][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1092 - fltVnsRsNodeToMFuncResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1092][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1094 - fltVnsRsMgmtAddrResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1094][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1095 - fltVnsRsDevFolderToMFolderResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1095][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1096 - fltVnsRsDevPingToCDevResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1096][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1097 - fltVnsRsFolderInstToMFolderResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1097][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1098 - fltVnsRsConnToCtxTermInstResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1098][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1099 - fltVnsRsConnToFltInstResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1099][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1100 - fltVnsRsConnToLlflnstResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1100][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1101 - fltVnsRsLDevCtxToLDevResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1101][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1102 - fltVnsRsLdevIfToLDevResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1102][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1103 - fltVnsRsLifCtxToLifResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1103][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1104 - fltVnsRsInterfaceResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1104][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1105 - fltVnsRsDfctToCatResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1105][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1106 - fltVnsRsTargetResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1106][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1107 - fltVnsRsNodeInstToLDevCtxResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1107][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1110 - fltVzRsFiltGraphAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1110][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1111 - fltVzRsFiltAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1111][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1112 - fltVzRsAnyToConsResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1112][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1115 - fltVzRsAnyToConslfResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1115][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1117 - fltVzRsAnyToProvResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1117][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1121 - fltVzRsGraphAttResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1121][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1123 - fltVzRsIfResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1123][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1125 - fltVzRsInTermGraphAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1125][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1126 - fltVzRsOutTermGraphAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1126][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1127 - fltVzRsSubjFiltAttResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1127][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1128 - fltVzRsSubjGraphAttResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1128][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1129 - fltVzRsDenyRuleResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1129][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1182 - fltL2DomVlanmgrCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1182][config-failure][warning][DN of affected MO] vlan
configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1183 - fltL3DomL3vmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1183][config-failure][warning][DN of affected MO] vrf  
configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1184 - fltVpcDomVpcCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1184][config-failure][warning][DN of affected MO] vPC  
domain configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1185 - fltVpcKeepaliveVpcCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1185][config-failure][warning][DN of affected MO] vPC  
keepalive configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1186 - fltL1PhysIfEthpmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1186][config-failure][warning][DN of affected MO] Port configuration failure. Reason: [ethpmCfgState] Failed Config: [ethpmCfgFailedBmp]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1187 - fltPcAggrIfPcmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1187][config-failure][warning][DN of affected MO] Port-channel configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1188 - fltTunnelfTmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1188][config-failure][warning][DN of affected MO] tunnel configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1189 - fltL3EncRtdIfEthpmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1189][config-failure][warning][DN of affected MO]
sub-interface configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1190 - fltL2RsPathDomAttVlanmgrCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1190][config-failure][warning][DN of affected MO]
vlan membership configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1191 - fltVpcRsVpcConfVpcCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1191][config-failure][warning][DN of affected MO]
vPC configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1192 - fltPcRsMbrlfsPcmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1192][config-failure][warning][DN of affected MO]
Port-channel membership configuration failure
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1194 - fltQospClassOperStFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1194][oper-state-failed][major][DN of affected MO] Qos
class failed due to hardware programming error
```

### Explanation

This fault occurs when qos manager fails to activate a class due to hardware programming failure

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Delete the qos class and add it back
  - Step 4** If the above actions did not resolve the issue, try rebooting the switch using CLI or GUI.
  - Step 5** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1195 - fltQospDscpRuleOperStFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1195][oper-state-failed][major][DN of affected MO]
Dscp rule failed due to hardware programming error
```

### Explanation

This fault occurs when qos manager fails to activate a dscp rule due to hardware programming failure

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of rules and retry

## F1196 - fltQospDot1pRuleOperStFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1196][oper-state-failed][major][DN of affected MO]
Dot1p rule failed due to hardware programming error
```

### Explanation

This fault occurs when qos manager fails to activate a dot1p rule due to hardware programming failure

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of rules and retry

## F1197 - fltL2BDLearningDisabled

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1197][oper-state-failed][major][DN of affected MO]
Learning is disabled on BD [name]
```

### Explanation

This fault occurs when the ep learning is disabled

### Recommended Action

If this fault is consistently happening, try the following actions

- 
- Step 1** Check network connectivity for stp flaps
  - Step 2** If the network connectivity is fine, generate the **show tech-support** file and contact Cisco TAC.

## F1199 - fltSpanRsSpanSrcToL1IfAttOperStFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1199][oper-state-failed][major][DN of affected MO]
Span source is in failed state, reason [operStQual].
```

### Explanation

This fault occurs when span source on a port goes to failed state

**Recommended Action**

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** Check network connectivity and ensure the port is up

**F1200 - fltSpanRsSpanSrcToL2CktEpAttOperStFailed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1200][oper-state-failed][major][DN of affected MO]
Span source is in failed state, reason [operStQual].
```

**Explanation**

This fault occurs when span source on a circuit goes to failed state

**Recommended Action**

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** Check network connectivity and ensure the circuit is up

**F1201 - fltSpanDestinationOperStFailed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1201][oper-state-failed][major][DN of affected MO]
Span destination is in failed state, reason [operStQual].
```

**Explanation**

This fault occurs when span destination goes to failed state

**Recommended Action**

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** Reduce the number of span sessions and retry

## F1203 - fltActrlRuleHwProgFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1203][hwprog-failed][major][DN of affected MO] Rule failed due to hardware programming error
```

### Explanation

This fault occurs when policy manager fails to activate a rule due to hardware programming failure

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** If the above are fine, remove unsued rules and retry

## F1207 - fltArpStAdjEpOperStDown

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1207][oper-state-failed][warning][DN of affected MO] Static ARP adjacency is [operSt], reason [operStQual]
```

### Explanation

This fault occurs when the operational state of the arp adjacency is down

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** Ensure the port is up on which ARP is configured

## F1209 - fltFabricOosPathIssuesConfig-failed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1209][configuration-failed][minor][DN of affected MO] Configuration failed for node [name], [name] [tDn] due to [configQual]
```

### Explanation

This fault occurs when an out-of-service policy is incorrectly configured.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at the configuration for issues
  - Step 2** For invalid-path, confirm that the specified interface is correct
  - Step 3** For further details, refer to the documentation for fabric:PathIssues
  - Step 4** Verify the fabric selector configuration is correct and complete
  - Step 5** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F1213 - fltBgpInstMemAlertCritical

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1213][memory-usage][warning][DN of affected MO] BGP instance is critically low in memory
```

### Explanation

This fault occurs when the bgp instance memory alert is critical

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of peers in bgp configuration
  - Step 4** Reduce the number of prefixes exported into bgp
  - Step 5** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1214 - fltBgpPeerEntryOperStShut

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1214][oper-state-shut][warning][DN of affected MO] BGP peer is shut, reason: [shutStQual]
```

### Explanation

This fault occurs when the peer is shut down because the prefix limit is exceeded or no memory

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of prefixes exported into bgp
  - Step 4** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1215 - fltBgpPeerAfEntryAfPfxLimitExceeded

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1215][pfxlimit-exceeded][warning][DN of affected MO]
BGP maximum prefix limit is exceeded [acceptedPaths]
```

### Explanation

This fault occurs when the accepted prefixes from the peer is greater than the configured limit

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of prefixes exported into bgp
  - Step 4** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1222 - fltEqptdiagRsltOperStFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1222][diag-failed][major][DN of affected MO]
Diagnostics test failed. reason:[qual]
```

### Explanation

This fault occurs when a diagnostic test fails.

### Recommended Action

The failed diagnostic test isolates the error to a port, card(FRU) or the entire switch. For port-level errors, the ports are put in disabled state. If a card is in the fail state, collect the show techsupport command output on the switch and contact Cisco TAC to eliminate any known software issues before replacing the hardware.

## F1224 - fltSvifPortDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1224][oper-state-failed][major][DN of affected MO] SVI
is down, [operStQual]
```

### Explanation

This fault occurs when the svi bring up failed because of hardware programming failure

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Try reconfiguring the svi.
  - Step 2** If the above action did not resolve the issue, try rebooting the switch using CLI or GUI.
  - Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1228 - fltVzABrCPConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1228][configuration-failed][minor][DN of affected MO]
Configuration failed for [name] [name] due to [configIssues]
```

### Explanation

This fault occurs when a Contract is incompletely / incorrectly configured.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at config issues
  - Step 2** Verify the configuration is correct / complete
  - Step 3** For filter-not-present, check if the configured filter is correct
  - Step 4** For taboo-has-no-filter, check if the Taboo configuration is correctly configured to an existing filter
  - Step 5** For subject-not-in-use-due-to-label, check if the configured label is correct
  - Step 6** For any-to-prov-shared-service, this is an invalid configuration
  - Step 7** For further details, refer to the documentation for vz:ConfigIssues
  - Step 8** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1233 - fltInfraAttEntityPConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1233][configuration-failed][major][DN of affected MO]
Deployment of Attached Entity Profile [name] failed with error: [configIssues]
```

### Explanation

Infra Policy fault is raised when both CDP and LLDP policies are configured for the same Attached Entity Profile.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Review the fault message to identify configuration issue.
  - Step 2** Modify configuration to remove any invalid configuration parameters.
  - Step 3** If the listed recommendations do not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1236 - fltInfraRsMonFexInfraPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1236][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1237 - fltVmmRsDomMcastAddrNsResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1237][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1239 - fltFabricLinkFailed

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1239][link-failed][critical][DN of affected MO] Link
between node [n1] slot [s1] port [p1] and node [n2] slot [s2] port [p2] is invalid.
[wiringIssues]
```

### Explanation

This fault occurs when a link state is not **ok**

### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** check if connectivity between the nodes for the link is ok
  - Step 2** If the above action did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1240 - fltVzTabooConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1240][configuration-failed][minor][DN of affected MO]
Configuration failed for [name], [name] due to [configIssues]
```

### Explanation

This fault occurs when a Taboo list is incompletely / incorrectly configured.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at configIssues
  - Step 2** Verify the configuration is correct / complete and rectify any of the configIssues
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1241 - fltFabricRsAppITechSupOnDResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1241][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1258 - fltInfraRsFabricNodeResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1258][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1259 - fltActrlMgmtRuleSwProgFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1259][swprog-failed][major][DN of affected MO] Rule failed due to software programming error
```

### Explanation

This fault occurs when policy manager fails to activate a management rule due to software programming failure

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** If the above are fine, remove unsued rules and retry

## F1261 - fltInfraNsIssuesConfig-failed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1261][configuration-failed][minor][DN of affected MO] Configuration failed due to [configQual] for node [name]Configuration failed due to [configQual] for [instPKey] for node [name]Configuration failed due to [configQual] for [instPKey] for node [name]
```

### Explanation

This fault occurs when a encap namespace (VLAN/VXLAN namespace etc.) is incorrectly configured.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at the configuration for issues
  - Step 2** For overlapping-encap-namespace, check the VLAN/VXLAN Instance Profiles and the associated domain configurations. Two overlapping instance profiles are not allowed to be pushed to the same node.
  - Step 3** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F1262 - fltInfraServiceOptimalLeadership

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1262][unhealthy][minor][DN of affected MO] Non optimal leader for some database partitions of [name] on controller [id]
```

### Explanation

This fault occurs when a controller reports some services do not have ideal replica leaders for some of the internal database partitions (shards).

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Ensure that you have a minimum of 3 APICs
  - Step 2** Verify that all the APICs are reported as available and Fully-Fit in cluster.
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1284 - fltVmmRsDefaultLacpLagPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1284][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1286 - fltTraceroutepTrNodeInvalidSrcOrDst****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1286][invalid-src-or-dst][minor][DN of affected MO]
The source or the destination switch for the traceroute node [name] is a spine
```

**Explanation**

This fault occurs when a Spine node is used as a source or destination in a traceroute.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the policy for traceroute is applied to the correct Node by making sure the proper Node ID is in the "Target DN" property.
  - Step 2** Verify that the correct Nodes have been chosen as sources and destinations.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1295 - fltDatetimeConflIssuesConfig-failed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1295][configuration-failed][minor][DN of affected MO]
Datetime Policy Configuration for [name] failed due to : [configQual]
```

**Explanation**

This fault is raised when a Date and Time Policy (datetime:Pol) fails to apply due to configuration issues.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Ensure that the path (over the inband or out-of-band management network) that the date and time policy would use to get to the date and time server is configured properly and accessible.
  - Step 2** Ensure that the End Point Group is configured properly for the date and time policy.
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

**F1296 - fltVpclfIfDown****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1296][if-down][major][DN of affected MO] vPC [name] is down.
```

**Explanation**

This fault occurs when vpc interface goes down.

**Recommended Action**

Please verify the port connectivity.

**F1297 - fltOamRsSrcEncapResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1297][resolution-failed][warning][DN of affected MO] Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1298 - fltFvPolDeliveryStatusConfigurationFailed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1298][configuration-failed][minor][DN of affected MO] EPG [name] policy deployment on node [id] failed due to [deploymentState]For tenant [epgPKey], application profile [epgPKey], deployment of application EPG [epgPKey] failed on node [id]. Reason [deploymentState]For tenant [epgPKey], outside [epgPKey], deployment of external EPG [epgPKey] failed on node [id]. Reason [deploymentState]For tenant [epgPKey], outside [epgPKey], deployment of
```

external EPG [epgPKey] failed on node [id]. Reason [deploymentState]For tenant [epgPKey], management profile [epgPKey], deployment of in-band EPG [epgPKey] failed on node [id]. Reason [deploymentState]For tenant [epgPKey], management profile [epgPKey], deployment of out-band EPG [epgPKey] failed on node [id]. Reason [deploymentState]

#### Explanation

: This fault occurs when delivering EPg policies to a node has failed

#### Recommended Action

: If you see this fault, take the following actions: - Verify node is reachable by pinging the TEP address from the APIC; - Verify node can deploy this type of policy (spine can deploy only mgmt EPg) If the above conditions did not resolve the issue, create a **tech-support file and contact Cisco TAC**.

## F1299 - fltFabricCreatedByConfigurationFailed

#### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1299][configuration-failed][minor][DN of affected MO]
A profile configuration has not been deployed on node [id], because: [deplSt]Pod
profile configuration [profileDn] has not been deployed on controller/node [id]
because: [deplSt]Controller profile configuration [profileDn] has not been
deployed on controller [id] because: [deplSt]Switch profile configuration
[profileDn] has not been deployed on node [id] because: [deplSt]Module profile
configuration [profileDn] has not been deployed on node [id] because:
[deplSt]Interface profile configuration [profileDn] has not been deployed on node
[id] because: [deplSt]Switch profile configuration [profileDn] has not been
deployed on node [id] because: [deplSt]Module profile configuration [profileDn]
has not been deployed on node [id] because: [deplSt]Interface profile
configuration [profileDn] has not been deployed on node [id] because: [deplSt]FEX
profile configuration [profileDn] has not been deployed on node [id] because:
[deplSt]Interface override configuration [profileDn] has not been deployed on node
[id] because: [deplSt]Interface override configuration [profileDn] has not been
deployed on node [id] because: [deplSt]
```

#### Explanation

This fault occurs when a selector level policy has been created, all policies in the corresponding policy group should be deployed on all fabric nodes in that selector level policy but those selector level policies have not been deployed to one or more fabric nodes.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that corresponding fabric node is ready to receive policies
  - Step 2** Verify that corresponding fabric node is capable of handling those selector level policies
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1300 - fltFabricRsNodeGroupConfigurationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1300][configuration-failed][minor][DN of affected MO]
A Fabric Node Group (fabricNodeGrp) configuration was not deployed on the fabric
node [id] because: [deplSt]
```

### Explanation

This fault occurs when a Fabric Node Group (fabricNodeGrp) has been created, all the policies targeted by the policy group should have been deployed on all the fabric nodes in that group, however some of those policies have not been deployed to a fabric node.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that corresponding fabric node is ready to receive policies
  - Step 2** Verify that corresponding fabric node is capable of handling those fabric node group level policies
  - Step 3** If the above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1301 - fltSnmprRsCommToCtxAttResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1301][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1305 - fltSnmprRsConflIssuesConfig-failed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1305][configuration-failed][minor][DN of affected MO]
SNMP Policy Configuration for [name] failed due to: [configQual]
```

### Explanation

This fault occurs when SNMP policy configuration failed to apply.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** For access-epg-not-specified, ensure that the SNMP policy has a correctly configured relationship to the management EPG.

- Step 2** For access-epp-is-not-available, confirm the affected endpoint is reachable in the management EPG and management tenant with selected EPG is correctly configured on endpoint.
- Step 3** For context-info-is-not-present-in-epp, confirm the management tenant is correctly configured with a context/network
- Step 4** For community-is-not-configured-in-snmp-policy, check that the SNMP community specified in the tenant configuration exists in the SNMP policy for the fabric.
- Step 5** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1307 - fltVnsRsMConnAttInstResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1307][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1310 - fltVnsRsVDevToDomainRefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1310][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1313 - fltCompHpNicOperationalIssues

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1313][operational-issues][major][DN of affected MO]
Operational issues detected on Host: [name] for controller: [hostOrIp] with name
[name] in datacenter [rootContName] in domain [domName] HpNic: [mac], error:
[[hpNicOperIssues]]
```

### Explanation

This fault is raised when remote or external disruptive operations are performed on Host Physical NIC from within the Controller.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Restore the NIC to the original state.
- Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1314 - fltVnsAL4L7ServiceFaultServiceWarningFault

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1314][configuration-failed][warning][DN of affected MO] configuration failed *[faultMessage]*Graph configuration resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant [priKey] for graph [priKey] with id [id], function [key]Graph configuration resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant [priKey] for graph [priKey] with id [id]Graph configuration resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant [priKey]Device configuration resulted in *[faultMessage]* for [name] on device [name] in cluster [name] in tenant [name]Device configuration resulted in *[faultMessage]* for [name] on device [name] in cluster [priKey] in tenant [priKey]Cluster configuration resulted in *[faultMessage]* for [name] on cluster [name] in tenant [tnDn]Cluster configuration resulted in *[faultMessage]* for [name] in tenant [name]Graph configuration resulted in *[faultMessage]*
```

### Explanation

This fault occurs when the L4-L7 service returns a warning fault

### Recommended Action

If you see this fault, please refer to L4-L7 device vendor documentation.

## F1315 - fltVnsAL4L7ServiceFaultServiceCriticalFault

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1315][configuration-failed][critical][DN of affected MO] configuration failed *[faultMessage]*Graph configuration resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant [priKey] for graph [priKey] with id [id], function [key]Graph configuration resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant [priKey] for graph [priKey] with id [id]Graph configuration resulted in *[faultMessage]* for [name] in context [ctxName] on cluster [priKey] in tenant [priKey]Device configuration resulted in *[faultMessage]* for [name] on device [name] in cluster [name] in tenant [name]Device configuration resulted in *[faultMessage]* for [name] on device [name] in cluster [priKey] in tenant [priKey]Cluster configuration resulted in *[faultMessage]* for [name] on cluster [name] in tenant [tnDn]Cluster configuration resulted in *[faultMessage]* for [name] in tenant [name]Graph configuration resulted in *[faultMessage]*
```

### Explanation

This fault occurs when the L4-L7 service returns a critical fault

### Recommended Action

If you see this fault, please refer to L4-L7 device vendor documentation.

## F1317 - fltEqptPsgPNonRedun

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1317][power-group-nonredundant][major][DN of affected MO] Power supply group is non-redundant
```

### Explanation

This fault occurs when there is a single power supply in the chassis or there are mismatched power supplies in the chassis

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Add more power supplies
  - Step 2** Remove mismatched power supplies
  - Step 3** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F1318 - fltEqptPsgPZeroPwr

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1318][zero-pwr][major][DN of affected MO] No psu detected
```

### Explanation

This fault occurs when PSU are not detected correctly

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Properly seat the power supplies
  - Step 2** Remove mismatched power supplies
  - Step 3** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F1321 - fltEqptFtFanTrayFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1321][equipment-failed][major][DN of affected MO] All fans in tray located in slot [id] in [role] [name] failed
```

### Explanation

This fault occurs when a fan tray fails

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Replace the fan tray that failed
- Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F1322 - fltEqptFanFanFailed

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1322][equipment-failed][warning][DN of affected MO]
Fan [id] in slot [id] in [role] [name] failed
```

### Explanation

This fault occurs when a fan fails

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Check the fan tray to see if it is still fully operational; if not, replace it
- Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F1323 - fltEqptFtSlotFanTrayMissing

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1323][equipment-missing][major][DN of affected MO] Fan
tray missing in slot [id] in [role] [name]
```

### Explanation

This fault occurs when a fan tray is missing

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Insert the fan tray
- Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F1324 - fltVnsCMgmtProxyCMgmtProxy

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1324][configuration-failed][major][DN of affected MO]
Configuration of management interface of device in cluster [priKey] in tenant
[priKey] failed
```

### Explanation

This fault occurs when there is a failure in setting up the management interface to a service node

**Recommended Action**

If you see this fault, please try with deleting management interface related configuration and then reposting it back.

**F1325 - fltVnsCtrlrEpProxyCtrlrEpProxy****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1325][configuration-failed][major][DN of affected MO]
Controller Endpoint configuration for tenant [priKey] and segment [seg] on
appliance [appliance] failed
```

**Explanation**

This fault occurs when there is a failure in setting up the management interface on the controller which is used to communicate to the service node

**Recommended Action**

If you see this fault, please try with deleting management interface related configuration and then reposting it back.

**F1329 - fltStatsAExportJoblfc-export-skipped****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1329][stats-export-skipped][minor][DN of affected MO]
Statistics export was skipped because of too many failures. Failure reason:
[details]. Refer to [dn] policy for configuration details.
```

**Explanation**

This fault occurs due to a Stats Export Policy session failure.

**Recommended Action**

If you see this fault, please check the stats export configuration parameters and health of the destination export server.

**F1330 - fltStatsAExportJobSw-export-skipped****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1330][stats-export-skipped][minor][DN of affected MO]
Statistics export was skipped because of too many failures. Failure reason:
[details]. Refer to [dn] policy for configuration details.
```

**Explanation**

This fault occurs due to a Stats Export Policy session failure.

**Recommended Action**

If you see this fault, please check the Stats Export Policy configuration parameters and health of the destination export server.

## F1332 - fltCallhomeDestStateCallhomeDestState

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1332][callhome-msg-failure][minor][DN of affected MO]
Callhome message failed to send to destination [email]. Please check smtp server
config
```

### Explanation

This fault occurs when sending a callhome message to destination does not succeed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify destination information is correct.
  - Step 2** Ensure it is reachable (ping/ssh) from the fabric and DNS entries have been configured correctly.
  - Step 3** If the above action did not resolve the issue, contact Cisco TAC.

## F1334 - fltVnsRsScriptHandlerStateToDomainRefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1334][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1336 - fltVnsAbsFuncProfValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1336][configuration-failed][minor][DN of affected MO]
Service graph template function profile: [name], which is in tenant [name] is
invalid.Service graph template function profile: [name], which is in tenant [name]
is invalid.Service graph template function profile: [name], which is under the
device package by vendor [vendor], device model [model], package version [version]
is invalid.
```

### Explanation

This fault occurs due to an invalid abstract function profile configuration.

### Recommended Action

If you see this fault, please ensure that the abstract function profile is valid.

## F1339 - fltVzSubjConfigurationMissing

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1339][configuration-missing][minor][DN of affected MO]
Configuration missing for [name] [name] [name] has a label, but no EPG is
associated: [configIssues]
```

### Explanation

This fault occurs when a Subject has a Label, but there is no EPG associated to a Contract that is also associated to that Subject.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look at config issues
  - Step 2** Verify the configuration is correct / complete
  - Step 3** For subject-not-in-use-due-to-label, check if the configured label is correct
  - Step 4** For further details, refer to the documentation for vz:ConfigIssues
  - Step 5** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1340 - fltFvnsMcastAddrInstPConfigFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1340][configuration-failure][minor][DN of affected MO]
Multicast Address pool [name] deployment failed due to: [configIssues].
```

### Explanation

This fault is raised when a Multicast Address pool cannot be deployed due to a missing or invalid configuration.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Review the fault message and correct the invalid configuration.
  - Step 2** If the above actions did not resolve the issue, collect a **tech-support** file and contact Cisco TAC.

## F1342 - fltL2RsDot1pRuleAttConfig-failed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1342][configuration-failed][major][DN of affected MO]
Configuration failed
```

### Explanation

This fault occurs when configuration on vlan fails.

**Recommended Action**

Please verify the configuration.

**F1343 - fltL2RsDscpRuleAttConfig-failed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1343][configuration-failed][major][DN of affected MO]
Configuration failed
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1344 - fltIpv4AddrIpv4CfgCtrl****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1344][config-failure][warning][DN of affected MO]
Address configuration failure. Reason: [ipv4CfgState]
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1345 - fltDbgacRsToEplpForEpToEpResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1345][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1346 - fltDbgacRsFromEplpForEpToEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1346][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1347 - fltDbgacRsToEplpForEpgToEpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1347][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1348 - fltDbgacRsFromEplpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1348][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1349 - fltDbgacRsToEplpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1349][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1350 - fltTraceroutePrsTrEplpDstResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1350][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1351 - fltTraceroutePrsTrEplpSrcResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1351][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1353 - fltFileRsARemoteHostToEppResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1353][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1360 - fltCoopAdjEpCoopAdjEpDown

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1360][oper-state-down][warning][DN of affected MO]
Operational state is down, reason:[operStQual]
```

### Explanation

This fault occurs when the operational state of the coop adjacency is down

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Look at any connectivity issues
  - Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1362 - fltSatmFabPFexIncompatible

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1362][fabp-state-change][warning][DN of affected MO]
FEX connected to this port incompatible
```

### Explanation

This fault occurs when there is an incompatibility between the leaf and the attached FEX

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1364 - fltL2BDNoOptArpFwdWithUnkMacFlood

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1364][config-error][warning][DN of affected MO]
Optimized ARP forwarding is not supported with unknown MAC flood
```

### Explanation

This fault occurs when the arp flood knob is not set in bridge only mode

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Set the arp flood knob for this BD

- Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1368 - fltSnmpClientProgFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1368][prog-failed][major][DN of affected MO] SNMP
Client programming failed, reason: [operStQual]
```

### Explanation

This fault occurs when snmp client security programming fails

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** If the above are fine, please retry

## F1369 - fltSnmpUserSecPConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1369][configuration-failed][major][DN of affected MO]
SNMP User programming failed, reason: [operStQual]
```

### Explanation

This fault occurs when snmp user programming fails

### Recommended Action

To recover from this fault, try the following actions

---

- Step 1** Look at any configuration issues
- Step 2** Verify the configuration is correct/complete
- Step 3** If the above are fine, please retry

## F1370 - fltInfrallCIMsgSrcOutsider

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1370][intrusion][critical][DN of affected MO] Messages from a controller (node-[id]) with the Globally Unique Identifier (GUID) [chassis] and the IP address [addr] started arriving at [frstMsgTs] and are being rejected because: [icmsReason]
```

### Explanation

This fault occurs when messages arrive periodically from controllers that are considered illegitimate by the controller cluster.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** The message included with the fault will also include a reason the controller messages are considered illegitimate. Investigate the reason and correct it.
  - Step 2** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1371 - fltPconsRADeploymentStatus

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1371][policy-deployment-failed][major][DN of affected MO] Failed to deploy policy [polDn] to service [svc] on node with id [systemId]Failed to deploy policy [polDn] to service [svc] on node with id [systemId]
```

### Explanation

This fault occurs when deployment of policy to a leaf/spine fails.

### Recommended Action

Check the state of leaf/spine using "acdiag fmvread" and make sure the state of the leaf/spine is active. If not active

- 
- Step 1** Check if leaf/spine is down
  - Step 2** Check network connectivity of leaf/spine to controllers
  - Step 3** If above options did not solve, create **tech-support** and contact Cisco TAC

If active

- 
- Step 1** Create a **tech-support** file and contact Cisco TAC

## F1372 - fltLldpAdjEpAdjStPortvlanMissing

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1372][config-mismatch][critical][DN of affected MO]
LLDP neighbor is bridge and its port vlan information is missing
```

### Explanation

This fault occurs when the port vlan is locally configured but the neighbor does not send port vlan info

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the make sure the peer matches it
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1373 - fltCompRsCtrlrPDeployFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1373][deployment-failed][major][DN of affected MO]
Deployment of EPG failed on Controller: [tDn] in domain: [name] due to error:
[deployIssues]
```

### Explanation

This fault is raised when the Endpoint Group cannot be deployed on a VMM Controller due to a missing or invalid configuration.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Review the faults on the associated VMM Controller.
  - Step 2** Review the fault message and add missing or remove invalid configuration.
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1374 - fltVnsRsLifCtxToBDResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1374][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1375 - fltVnsRsEPpInfoToBDResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1375][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1377 - fltVnsFolderInstValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1377][configuration-failed][minor][DN of affected MO]
Folder configuration is invalid due to [configIssues]Folder [name] that is used
to configure node [nodeNameOrLbl] of service graph [graphNameOrLbl] for contract
[ctrctNameOrLbl], in tenant [name] is invalid due to [configIssues]Folder [name]
that is used to configure node [nodeNameOrLbl] of service graph [graphNameOrLbl]
for contract [ctrctNameOrLbl], in bridge domain [name] for tenant [name] is
invalid due to [configIssues]Folder [name] that is used to configure node
[nodeNameOrLbl] of service graph [graphNameOrLbl] for contract [ctrctNameOrLbl],
in private network [name] for tenant [name] is invalid due to [configIssues]Folder
[name] that is used to configure node [nodeNameOrLbl] of service graph
[graphNameOrLbl] for contract [ctrctNameOrLbl], in application profile [name] for
tenant [name] is invalid due to [configIssues]Folder [name] that is used to
configure node [nodeNameOrLbl] of service graph [graphNameOrLbl] for contract
[ctrctNameOrLbl], in EPG [name] of application profile [name] for tenant [name]
is invalid due to [configIssues]
```

### Explanation

This fault occurs when a Folder configuration is invalid. The config issues indicate the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration to resolve the cause of fault.

## F1378 - fltVnsParamInstValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1378][configuration-failed][minor][DN of affected MO]
Parameter configuration is invalid due to [configIssues]Parameter [name] of Folder
[name] that is used to configure node [nodeNameOrLbl] of service graph
[graphNameOrLbl] for contract [ctrctNameOrLbl], in tenant [name] is invalid due
to [configIssues]Parameter [name] of Folder [name] that is used to configure node
[nodeNameOrLbl] of service graph [graphNameOrLbl] for contract [ctrctNameOrLbl],
in bridge domain [name] for tenant [name] is invalid due to
[configIssues]Parameter [name] of Folder [name] that is used to configure node
```

```
[nodeNameOrLbl] of service graph [graphNameOrLbl] for contract [ctrctNameOrLbl],
in private network [name] for tenant [name] is invalid due to
[configIssues]Parameter [name] of Folder [name] that is used to configure node
[nodeNameOrLbl] of service graph [graphNameOrLbl] for contract [ctrctNameOrLbl],
in application profile [name] for tenant [name] is invalid due to
[configIssues]Parameter [name] of Folder [name] that is used to configure node
[nodeNameOrLbl] of service graph [graphNameOrLbl] for contract [ctrctNameOrLbl],
in EPG [name] of application profile [name] for tenant [name] is invalid due to
[configIssues]
```

**Explanation**

This fault occurs when a Parameter configuration is invalid. The config issues indicate the exact reason for the error.

**Recommended Action**

If you see this fault, please modify configuration to resolve the cause of fault.

**F1379 - fltVnsCfgRelInstValidationFailed****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1379][configuration-failed][minor][DN of affected MO]
Relation configuration is invalid due to [configIssues]Relation [name] of Folder
[name] that is used to configure node [nodeNameOrLbl] of service graph
[graphNameOrLbl] for contract [ctrctNameOrLbl], in tenant [name] is invalid due
to [configIssues]Relation [name] of Folder [name] that is used to configure node
[nodeNameOrLbl] of service graph [graphNameOrLbl] for contract [ctrctNameOrLbl],
in bridge domain [name] for tenant [name] is invalid due to [configIssues]Relation
[name] of Folder [name] that is used to configure node [nodeNameOrLbl] of service
graph [graphNameOrLbl] for contract [ctrctNameOrLbl], in private network [name]
for tenant [name] is invalid due to [configIssues]Relation [name] of Folder [name]
that is used to configure node [nodeNameOrLbl] of service graph [graphNameOrLbl]
for contract [ctrctNameOrLbl], in application profile [name] for tenant [name] is
invalid due to [configIssues]Relation [name] of Folder [name] that is used to
configure node [nodeNameOrLbl] of service graph [graphNameOrLbl] for contract
[ctrctNameOrLbl], in EPG [name] of application profile [name] for tenant [name]
is invalid due to [configIssues]
```

**Explanation**

This fault occurs when a Relation configuration is invalid. The config issues indicate the exact reason for the error.

**Recommended Action**

If you see this fault, please modify configuration to resolve the cause of fault.

## F1385 - fltOspfAdjEpFailed

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1385][oper-state-failed][warning][DN of affected MO]
OSPF adjacency is not full, current state [operSt]
```

### Explanation

This fault occurs when the adjacency state is not up

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Check network connectivity to the peer
  - Step 4** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1386 - fltFvBDNoOptArpFwdWithUnkMacFlood

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1386][config-error][warning][DN of affected MO] ARP
flooding must be enabled when L2 unknown unicast is set to flood
```

### Explanation

This fault occurs when the bridge domain ARP flood is not enabled and the L2 unknown unicast is set to flood

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Enable ARP flood for this BD
  - Step 2** If the above action did not resolve the issue, create a **tech-support file and contact Cisco TAC**

## F1387 - fltPcAggrIfEthpmCfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1387][config-failure][warning][DN of affected MO]
Port-channel configuration failure.
```

### Explanation

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1388 - fltCdpAdjEpAdjStNativevlanMismatch****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1388][config-mismatch][critical][DN of affected MO]
CDP neighbor is bridge and its native vlan [nativeVlan] mismatched with the local
native vlan [nativeVlan] on the port
```

**Explanation**

This fault occurs when the native vlan mismatch happens with the value sent by the neighbor

**Recommended Action**

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the peer for mismatch
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

**F1389 - fltCdpAdjEpAdjStNativevlanMissing****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1389][config-mismatch][critical][DN of affected MO]
CDP neighbor is bridge and its native vlan information is missing
```

**Explanation**

This fault occurs when the native vlan is locally configured but the neighbor does not send native vlan info

**Recommended Action**

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the make sure the peer matches it
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1390 - fltCdpAdjEpHostAdjStNativevlanMismatch

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1390][config-mismatch][warning][DN of affected MO] CDP native vlan [nativeVlan] mismatched with the neighbor [nativeVlan]
```

### Explanation

This fault occurs when the native vlan mismatch happens with the value sent by the neighbor (host)

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the peer for mismatch
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1391 - fltCdpAdjEpHostAdjStNativevlanMissing

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1391][config-mismatch][warning][DN of affected MO] CDP neighbor native vlan information is missing
```

### Explanation

This fault occurs when the native vlan is locally configured but the neighbor (host) does not send native vlan info

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the make sure the peer matches it
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1392 - fltLldpAdjEpHostAdjStPortvlanMismatch

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1392][config-mismatch][warning][DN of affected MO] LLDP port vlan [portVlan] mismatched with the neighbor [portVlan]
```

### Explanation

This fault occurs when the port vlan mismatch happens with the value sent by the neighbor (host)

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the peer for mismatch
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1393 - fltLldpAdjEpHostAdjStPortvlanMissing

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1393][config-mismatch][warning][DN of affected MO]
LLDP neighbor port vlan information is missing
```

### Explanation

This fault occurs when the port vlan is locally configured but the neighbor (host) does not send port vlan info

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at native vlan configuration on the node and the make sure the peer matches it
  - Step 2** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1394 - fltEthpmlfPortDownFabric

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1394][port-failure][minor][DN of affected MO] Port is
down, reason:[operStQual]([operErrDisQual]), used by:[usage]
```

### Explanation

This fault occurs when a port is unconnected and is in use for fabric

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Check the port connectivity
  - Step 2** Administratively shut the port if the port is not in use

## F1397 - fltMgmtRsOoBCtxResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1397][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1399 - fltCommRsKeyRingResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1399][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1400 - fltMgmtRsInstPCtxResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1400][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1404 - fltActrlPfxEntryProgFailed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1404][prog-failed][major][DN of affected MO] Prefix
entry failed due to [operStQual]
```

**Explanation**

This fault occurs when policy manager fails to activate a prefix entry due to either hardware or software programming failure

**Recommended Action**

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** If the above are fine, remove unsued rules and retry

## F1410 - fltInfraClSzEqObstClusterSizeEqualization

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1410][obstacle][critical][DN of affected MO] Cluster
cannot continue to [clGmChngDir] from its current size [opClSz] for the following
reason: [cseoReason]. The controller ID is [ctrlrId], the service ID is [svcId],
the internal database partition (shard) ID is [shrdId] and the replica ID is
[rplId]
```

### Explanation

This fault occurs when the operational size for a controller cluster can not reach the configured target size.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Ensure that the controller cluster is contiguous, it must grow from the end and can not have any gaps in the cluster numbering.
  - Step 2** Verify that the cluster health is fully fit.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1414 - fltSyslogDestStateSyslogDestState

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1414][syslog-remote-dest-not-reachable][minor][DN of
affected MO] syslog server [host] not reachable
```

### Explanation

This fault occurs when a configured syslog server is not reachable.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify destination information is correct.
  - Step 2** Ensure it is reachable (ping/ssh) from the fabric and DNS entries have been configured correctly.
  - Step 3** If the above action did not resolve the issue, contact Cisco TAC.

## F1416 - fltVnsAbsFuncConnValidationFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1416][configuration-failed][minor][DN of affected MO]
Function connector [name] of function node [name] for service graph template
[name] for tenant [name] has an error.
```

### Explanation

This fault occurs when an Abstract Function Connector (AbsFuncConn) has an error. The config issues the exact reason for the error.

### Recommended Action

If you see this fault, please modify configuration to resolve the cause of fault.

## F1419 - fltProcEntryServiceFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1419][service-failed][major][DN of affected MO]
Service [name] failed on apic [name]
```

### Explanation

This fault occurs when a Data Management Engine (DME) process fails on a controller

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If one exists, collect the core file for the process
  - Step 2** Create a **show tech-support** file.
  - Step 3** Contact Cisco TAC.

## F1421 - fltDbgRsTenantToDomainRefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1421][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1425 - fttlPv4AddrOperStDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1425][oper-state-failed][major][DN of affected MO]
IPv4 address is operationally down, reason:[operStQual]
```

### Explanation

This fault occurs when the operational state of the ipv4 address state is changed to subnet-overlap/no primary/addr already configd as next hop in a static route

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete

## F1427 - fttlInfraRsVipAddrNsResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1427][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1429 - fttlActionRsLSubjToDomainRefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1429][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1432 - fltMaintUpgStatusSchedulerPausedOnMemberUpgradeFailure

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG  
[F1432][scheduler-paused-on-member-upgrade-failure][major][DN of affected MO] The  
scheduler for the firmware upgrade group [polName] is paused because one or more  
members of the group failed to upgrade or the user manually paused scheduler
```

### Explanation

This fault occurs when upgrade is paused on a group due to one or more members of the group failing to be upgraded and the maintenance policy specifies that it should pause when there is a failure (pauseOnFailure) or the user manually pauses the scheduler

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the scheduler was manually paused, unpause the scheduler
  - Step 2** Look for other faults indicating why the upgrade failed. Try to understand why the upgrade failed. Once you have identified and corrected the reason for the upgrade failure, then unpause the scheduler on this maintenance group.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1433 - fltMaintUpgStatusSchedulerPausedOnClusterHealth

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1433][scheduler-paused-on-cluster-health][major][DN  
of affected MO] The scheduler for the firmware upgrade group [polName] is paused  
because the controller cluster is not healthy
```

### Explanation

This fault occurs when upgrade is paused due to cluster not being healthy

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Look for other faults indicating why the cluster is not healthy. Try to understand why the cluster is not healthy and correct that. Once you have identified and corrected the unhealthy controller cluster, the fault will clear automatically on the next upgrade attempt.
  - Step 2** If the above action did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1434 - fltMaintRsReltomaintpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1434][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1435 - fltSpanRsDestToVPortDefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1435][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1436 - fltSpanRsSrcToVPortDefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1436][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1449 - fltSnmpTrapDestSnmpTrapDestVrfName

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1449][msg-msg-failure][minor][DN of affected MO]
Failed to resolve Vrfname for destination [host] of group [name] on node [id]
([name]) of pod [podId]
```

### Explanation

This fault occurs when the configured SNMP trap destination endpoint cannot be resolved by the switch.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify destination information is correct.
  - Step 2** Ensure destination is reachable (via ping/ssh) from the fabric and DNS entries have been configured correctly.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1450 - fltSnmpTrapDestSnmpTrapDestEpgDn****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1450] [msg-msg-failure] [minor] [DN of affected MO] EpgDn not set for destination [host] of group [name] on node [id] ([name]) of pod [podId]
```

**Explanation**

This fault occurs when SNMP Trap Destination does not have a valid Endpoint Group Destination configured.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Configure EpGDn property of the SNMP Trap Destination.
  - Step 2** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1451 - fltEqptPsuShut****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1451] [equipment-shut] [minor] [DN of affected MO] Power supply shutdown. (serial number [ser])
```

**Explanation**

This fault occurs when psu is shut down

**Recommended Action**

To recover from this fault, try the following actions

- 
- Step 1** Connect a power supply to this PSU
  - Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC

## F1457 - fltEqptSensorFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1457][sensor-failed][major][DN of affected MO] Sensor of type [type] on Node [id] has failed.
```

### Explanation

This fault usually occurs if sensor fails

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** replace the component that has failed
  - Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1467 - fltInfraRsStormctrlIfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1467][resolution-failed][warning][DN of affected MO] Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1471 - fltVmmPIInfDeployFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1471][deployment-failed][major][DN of affected MO] EPG deployment failed due to [remoteErrMsg]
```

### Explanation

This fault is raised when the SCVMM plugin encounters an exception.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the system events in the SCVMM or WAP machine for details.

## F1472 - fltSpanRsSessionToDomainRefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1472][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1473 - fltVnsScriptRTInfoDownloadState

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1473][configuration-failed][major][DN of affected MO]
Device Package from [priKey] for [priKey] version [priKey] is missing the
following functions: [moduleStatus]
```

### Explanation

This fault occurs when there is missing function in device package

### Recommended Action

If you see this fault, please contact L4-L7 device vendor for a more recent version of device package.

## F1475 - fltActrIRuleHwProgFailedTcamFull

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1475][hwprog-failed-tcam-full][major][DN of affected
MO] Rule programming failed due to TCAM full
```

### Explanation

This fault occurs when policy manager fails to activate a rule due to tcam full condition

### Recommended Action

To recover from this fault, try the following actions

---

**Step 1** Remove unused rules and retry

## F1477 - fltIpv4NextHopOperStDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1477][oper-state-failed][major][DN of affected MO]
Route NextHop is operationally down, reason:[operStQual]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1478 - fltTopSystemDuplicateOOBMgrtIP

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1478][duplicate-oobmgmt-ip][major][DN of affected MO]
[oobMgmtAddr] of [name] is duplicate of [inbMgmtAddr]. Continue to use the old
[oobMgmtAddr]
```

### Explanation

None set.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Modify the controller out-of-band management IP address
  - Step 2** If above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1479 - fltTopSystemDuplicateIBMgrtIP

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1479][duplicate-ibmgmt-ip][major][DN of affected MO]
[inbMgmtAddr] of [name] is duplicate of [oobMgmtAddr]. Continue to use the old
[inbMgmtAddr]
```

### Explanation

None set.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Modify the controller inband management IP address
  - Step 2** If above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1480 - fltMaintUpgJobFaultFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1480][upgrade-failed][major][DN of affected MO] Fabric node [id] failed to upgrade to [desiredVersion]. The upgrade has an upgrade status of [upgradeStatus] - [upgradeStatusStr]. The failure occurred at the [installStage] stage of the install.
```

### Explanation

This fault occurs when a software upgrade fails on a fabric node.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Reboot the fabric node and retry the software installation using a policy upgrade.
  - Step 2** Reboot the fabric node and retry the software installation using the command line interface.
  - Step 3** If above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1483 - fltBfdSessSessDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1483][sess-down][major][DN of affected MO] BFD session [discr] to neighbor [destAddr] on interface [ifId] has gone down. Reason: [diag].
```

### Explanation

This fault occurs when a bfd session goes down.

### Recommended Action

Please check the forwarding path to the peer.

## F1484 - fltOspfV3InstInstMemAlertCritical

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1484][memory-usage][warning][DN of affected MO] OSPFv3 instance [name] is critically low in memory
```

### Explanation

This fault occurs when the ospfv3 instance memory alert is critical

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Reduce the number of ospfv3 enabled interfaces

- Step 4** Reduce the number of routes into ospfv3
- Step 5** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1486 - fltInfraRsMcplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1486][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1487 - fltInfraRsOverrideMcplfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1487][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1500 - fltFvRsCtxToBgpCtxAfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1500][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1501 - fltFvRsCtxToOspfCtxPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1501][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1507 - fltL3FwdCtxUneqExtRmac

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1507][oper-state-failed][critical][DN of affected MO]
External L3 interface router macs not matching
```

### Explanation

This fault occurs when the external L3 interfaces are not configured with the same router mac

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Reconfigure all the external L3 interface router macs with the same value
  - Step 2** If the above action did not resolve the issue, try rebooting the switch using CLI or GUI.
  - Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1509 - fltTopSystemInvalidIBMgmtEncap

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1509][invalid-ibmgmt-encap][major][DN of affected MO]
Inband mgmt encap vlan is invalid/missing
```

### Explanation

None set.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Modify/Configure the inband mgmt encap

## F1510 - fltL3extRsInstPToProfileResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1510][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1511 - fltIpv4NexthopIpv4CfgCtrl

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1511][config-failure][warning][DN of affected MO]
Route Nexthop configuration failure. Reason: [ipv4CfgState]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1526 - fltEqptSlotFailed

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1526][equipment-failed][critical][DN of affected MO]
Module failed
```

### Explanation

This fault occurs when a card sees a fatal error during runtime. The card is put in a fail state and cannot be put back in operation.

### Recommended Action

If a card is in the fail state, collect the show techsupport command output on the switch and contact Cisco TAC to eliminate any known software issues before replacing the hardware.

## F1527 - fltEqptStorageFull-Warning

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1527][equipment-full][warning][DN of affected MO]
Storage unit [name] on Node [id] mounted at [mount] is [capUtilized]% full
```

### Explanation

This fault occurs when the utilization of storage capacity on a controller is greater than 85%

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Cleanup the storage device that the fault was produced on to free up space
  - Step 2** Replace the storage device that is full with a larger storage device
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1528 - fltEqptStorageFull-Major

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1528][equipment-full][major][DN of affected MO]
Storage unit [name] on Node [id] mounted at [mount] is [capUtilized]% full
```

### Explanation

This fault occurs when storage capacity utilization is between 85% and 90%

### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** replace the storage unit that is full
  - Step 2** cleanup the storage unit that has faulted
  - Step 3** If the above action did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1529 - fltEqptStorageFull-Critical

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1529][equipment-full][critical][DN of affected MO]
Storage unit [name] on Node [id] mounted at [mount] is [capUtilized]% full
```

### Explanation

This fault occurs when storage capacity utilization is greater than 90%

### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** replace the storage unit that is full
  - Step 2** cleanup the storage unit that has faulted
  - Step 3** If the above action did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1534 - fltFvRsBDToNdPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1534][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1539 - fltVnsRsLifCtxToOutResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1539][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1543 - fltFabricNodeInactive

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1543][node-inactive][critical][DN of affected MO] Node
[id] is inactive and not reachable.
```

### Explanation

This fault occurs when a node is not reachable

### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** Check connectivity for the node that cannot be reached
  - Step 2** Check if the node is powered up
  - Step 3** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1544 - fltFabricNodeUnsupported

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1544][node-unsupported][critical][DN of affected MO]
Node [id] is unsupported or has been cabled incorrectly
```

### Explanation

This fault occurs when an unsupported node is connected to the fabric

### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** Check if the node is a supported model and has been cabled correctly
  - Step 2** If the above actions did not resolve the issue, create a **show tech-support** file and contact Cisco TAC.

## F1545 - fltDbgAcPathAOnGoingAtomicCounterDropsMajor

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1545][packets-dropped][major][DN of affected MO]
[dropPktPercentage]% of packets were dropped during the last collection
interval[dropPktPercentage]% of packets were dropped during the last collection
interval on the path from node [srcNodeId] to node [dstNodeId][dropPktPercentage]%
of packets were dropped during the last collection interval on the path from the
VPC pair [srcNodeId]-[srcNodeId2] to the VPC pair
[dstNodeId]-[dstNodeId2][dropPktPercentage]% of packets were dropped during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the single node [dstNodeId][dropPktPercentage]% of packets were dropped during
the last collection interval on the path from the single node [srcNodeId] to the
VPC pair [dstNodeId]-[dstNodeId2]
```

### Explanation

This fault occurs when a significant number of packet drops are detected by a configured and enabled Atomic Counter

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check for any CRC, etc errors in the packet path where this Atomic Counter Policy is configured.
  - Step 3** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1546 - fltDbgAcPathAOnGoingAtomicCounterDropsMinor

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1546][packets-dropped][minor][DN of affected MO]
[dropPktPercentage]% of packets were dropped during the last collection
interval[dropPktPercentage]% of packets were dropped during the last collection
interval on the path from node [srcNodeId] to node [dstNodeId][dropPktPercentage]%
of packets were dropped during the last collection interval on the path from the
VPC pair [srcNodeId]-[srcNodeId2] to the VPC pair
[dstNodeId]-[dstNodeId2][dropPktPercentage]% of packets were dropped during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the single node [dstNodeId][dropPktPercentage]% of packets were dropped during
the last collection interval on the path from the single node [srcNodeId] to the
VPC pair [dstNodeId]-[dstNodeId2]
```

### Explanation

This fault occurs when a small number of packet drops are detected by a configured and enabled Atomic Counter

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check for any CRC, etc errors in the packet path where this Atomic Counter Policy is configured.
  - Step 3** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1547 - fltDbgAcPathAOnGoingAtomicCounterExcessMajor

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1547][packets-dropped][major][DN of affected MO]
[excessPktPercentage]% of packets were received in excess during the last
collection interval[excessPktPercentage]% of packets were received in excess
during the last collection interval on the path from node [srcNodeId] to node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the VPC pair [dstNodeId]-[dstNodeId2][excessPktPercentage]% of packets were
received in excess during the last collection interval on the path from the VPC
pair [srcNodeId]-[srcNodeId2] to the single node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the single node [srcNodeId] to the VPC
pair [dstNodeId]-[dstNodeId2]
```

### Explanation

This fault occurs when a significant number of excess packets are detected by a configured and enabled Atomic Counter

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1548 - fltDbgAcPathAOnGoingAtomicCounterExcessMinor****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1548][packets-dropped][minor][DN of affected MO]
[excessPktPercentage]% of packets were received in excess during the last
collection interval[excessPktPercentage]% of packets were received in excess
during the last collection interval on the path from node [srcNodeId] to node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the VPC pair [dstNodeId]-[dstNodeId2][excessPktPercentage]% of packets were
received in excess during the last collection interval on the path from the VPC
pair [srcNodeId]-[srcNodeId2] to the single node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the single node [srcNodeId] to the VPC
pair [dstNodeId]-[dstNodeId2]
```

**Explanation**

This fault occurs when a small number of excess packets are detected by a configured and enabled Atomic Counter

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1549 - fltDbgAcTrailOnGoingAtomicCounterTrailDropsMajor****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1549][packets-dropped][major][DN of affected MO]
[dropPktPercentage]% of packets were dropped during the last collection
interval[dropPktPercentage]% of packets were dropped during the last collection
interval on the path from node [srcNodeId] to node [dstNodeId][dropPktPercentage]%
of packets were dropped during the last collection interval on the path from the
VPC pair [srcNodeId]-[srcNodeId2] to the VPC pair
[dstNodeId]-[dstNodeId2][dropPktPercentage]% of packets were dropped during the
```

last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2] to the single node [dstNodeId][dropPktPercentage]% of packets were dropped during the last collection interval on the path from the single node [srcNodeId] to the VPC pair [dstNodeId]-[dstNodeId2]

#### Explanation

This fault occurs when a significant number of packet drops are detected by a configured and enabled Atomic Counter

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check for any CRC, etc errors in the packet path where this Atomic Counter Policy is configured.
  - Step 3** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1550 - fltDbgAcTrailOnGoingAtomicCounterTrailDropsMinor

#### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1550][packets-dropped][minor][DN of affected MO]
[dropPktPercentage]% of packets were dropped during the last collection
interval[dropPktPercentage]% of packets were dropped during the last collection
interval on the path from node [srcNodeId] to node [dstNodeId][dropPktPercentage]%
of packets were dropped during the last collection interval on the path from the
VPC pair [srcNodeId]-[srcNodeId2] to the VPC pair
[dstNodeId]-[dstNodeId2][dropPktPercentage]% of packets were dropped during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the single node [dstNodeId][dropPktPercentage]% of packets were dropped during
the last collection interval on the path from the single node [srcNodeId] to the
VPC pair [dstNodeId]-[dstNodeId2]
```

#### Explanation

This fault occurs when a small number of packet drops are detected by a configured and enabled Atomic Counter

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check for any CRC, etc errors in the packet path where this Atomic Counter Policy is configured.
  - Step 3** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 4** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1551 - fltDbgAcTrailOnGoingAtomicCounterTrailExcessMajor

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1551][packets-dropped][major][DN of affected MO]
[excessPktPercentage]% of packets were received in excess during the last
collection interval[excessPktPercentage]% of packets were received in excess
during the last collection interval on the path from node [srcNodeId] to node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the VPC pair [dstNodeId]-[dstNodeId2][excessPktPercentage]% of packets were
received in excess during the last collection interval on the path from the VPC
pair [srcNodeId]-[srcNodeId2] to the single node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the single node [srcNodeId] to the VPC
pair [dstNodeId]-[dstNodeId2]
```

### Explanation

This fault occurs when a significant number of excess packets are detected by a configured and enabled Atomic Counter

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1552 - fltDbgAcTrailOnGoingAtomicCounterTrailExcessMinor

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1552][packets-dropped][minor][DN of affected MO]
[excessPktPercentage]% of packets were received in excess during the last
collection interval[excessPktPercentage]% of packets were received in excess
during the last collection interval on the path from node [srcNodeId] to node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the VPC pair [srcNodeId]-[srcNodeId2]
to the VPC pair [dstNodeId]-[dstNodeId2][excessPktPercentage]% of packets were
received in excess during the last collection interval on the path from the VPC
pair [srcNodeId]-[srcNodeId2] to the single node
[dstNodeId][excessPktPercentage]% of packets were received in excess during the
last collection interval on the path from the single node [srcNodeId] to the VPC
pair [dstNodeId]-[dstNodeId2]
```

### Explanation

This fault occurs when a small number of excess packets are detected by a configured and enabled Atomic Counter

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the network configuration in the packet path where this Atomic Counter Policy is configured.
  - Step 2** Check interface counters and rates in the packet path where this Atomic Counter Policy is configured to make sure there is no oversubscription.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1553 - fltSpanRsSrcToEpPConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1553][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source [name] due to missing/invalid EPG [tDn]:
[stateQual]([state])
```

### Explanation

This fault is raised when the span policy failed to get deployed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the EPG in the relation's target DN is valid and present.
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1554 - fltSpanRsSrcToCtxDefConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1554][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source [name] due to missing/invalid private L3
network Context [tDn]: [stateQual]([state])
```

### Explanation

This fault is raised when the fabric span policy failed to get deployed due to missing Ctx.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the Ctx in the relation's target DN is valid and present.
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1555 - fltSpanRsSrcToBDDefConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1555][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source [name] due to missing/invalid private layer
L2 network context [tDn]: [stateQual]([state])
```

### Explanation

This fault is raised when the fabric span policy failed to get deployed due to missing BD.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the BD in the relation's target DN is valid and present.
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1556 - fltSpanRsDestPathEpConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1556][configuration-failed][major][DN of affected MO]
Failed to configure SPAN destination [name]: port [tDn] on node [tDn] is not a
local port relative to the SPAN source
```

### Explanation

This fault is raised when the span policy failed to get deployed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the PathEp in the relation's target DN contains local ports in the node where SrcGroup resides
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1557 - fltSpanRsProvDestGrpConfigFailed

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1557][configuration-failed][warning][DN of affected
MO] Failed to configure SPAN with destination group [name] due to missing/invalid
destination group [tDn]
```

### Explanation

This fault is raised when the span policy failed to get deployed.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the destination group in the relation's target DN is present in the fabric.
  - Step 2** Review the fault message and add missing configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

**F1558 - fltSpanAcctSessionOverflown****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1558][session-overflown][major][DN of affected MO]
Failed to configure SPAN: The session has exceeded the maximum allowed (48)
```

**Explanation**

This fault is raised when the number of span sessions deployed exceeds the maximum number allowed .

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the number of span sessions deployed is less than the maximum number allowed
  - Step 2** Review the fault message and add missing configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

**F1559 - fltSpanDestConfigFailed****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1559][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with destination [name] of destination group [name] due
to [fstate]Failed to configure SPAN with destination [name] of destination group
[name] on tenant [name] due to [fstate]
```

**Explanation**

This fault is raised when the a dest related configuration issues.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the dest related configuration is correct.
  - Step 2** Review the fault message and add missing configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1560 - fltSpanASrcGrpConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1560][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source group [name] due to [fstate]
```

### Explanation

This fault is raised when the a src related configuration issues.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the dest related configuration is correct.
  - Step 2** Review the fault message and add missing configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1561 - fltSpanASrcConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1561][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source [name] due to [fstate]
```

### Explanation

This fault is raised when the an individual src related configuration issues.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the source related configuration is correct.
  - Step 2** Review the fault message and add missing configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1562 - fltSpanRsSrcToPathEpConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1562][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source [name] on port [tDn] on node [tDn] due to
[fstate]
```

### Explanation

This fault is raised when the an individual RsSrcToPathEp related configuration issues.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the Src to PathEp related configuration is correct.
  - Step 2** Review the fault message and add missing configuration
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1563 - fltSyntheticCTestObjDn-location-ctest-pm

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1563][test-failure][major][DN of affected MO] my name
is [dn]. my ancestor name is [dn] = [dn]. my ancestor is [dn]. Also ancestors
priKey is [priKey]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1564 - fltSyntheticCTestObjDn-location-ctest-pe

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1564][test-failure][major][DN of affected MO] my name
is [dn]. my ancestor name is [dn] = [dn]. my ancestor is [dn]. Also ancestors
priKey is [priKey]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1565 - fltVnsCDevStateCDevValidateFailure

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1565][configuration-failed][minor][DN of affected MO]
Device validate operation for device [name] in cluster [priKey] in tenant [priKey]
failed
```

### Explanation

This fault occurs when the L4-L7 service node configuration fails

**Recommended Action**

If you see this fault, please make sure that the device has the correct IP and is supported by the package.

**F1566 - fltVnsCDevStateCDevModifyFailure****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1566][configuration-failed][minor][DN of affected MO]
Device modify operation for device [name] in cluster [priKey] in tenant [priKey]
failed
```

**Explanation**

This fault occurs when the L4-L7 service node configuration fails

**Recommended Action**

If you see this fault, please check for faults in the device configuration.

**F1567 - fltVnsCDevStateCDevAuditFailure****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1567][configuration-failed][minor][DN of affected MO]
Device audit operation for device [name] in cluster [priKey] in tenant [priKey]
failed
```

**Explanation**

This fault occurs when the L4-L7 service node configuration fails

**Recommended Action**

If you see this fault, please check for faults in the device configuration.

**F1569 - fltEqptSlotMismatched****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1569][equipment-mismatch][critical][DN of affected MO]
Module mismatch
```

**Explanation**

This fault occurs when a wrong type of card is inserted in the chassis

**Recommended Action**

If a card is found in mismatch state, then the card has to be replaced

## F1570 - fltSpanRsSrcToEpgConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1570][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with source [name] due to missing or invalid target EPG
[tDn]: [stateQual]([state])
```

### Explanation

This fault occurs when a Span Policy fails to deploy due to a missing or invalid source EPG

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the configured source EPG in the Span Policy exists and is correct
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1571 - fltSpanRsDestEpgConfigFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1571][configuration-failed][major][DN of affected MO]
Failed to configure SPAN with destination [name] due to missing or invalid target
EPG [tDn] with IP [ip]: [stateQual]([state])
```

### Explanation

This fault occurs when a Span Policy fails to deploy due to a missing or invalid destination EPG

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the configured destination EPG in the Span Policy exists and is correct
  - Step 2** Review the fault message and add missing or remove invalid configuration
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1572 - fltSyntheticCTestObjFor-subclass-ctest-pm

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1572][test-failure][major][DN of affected MO] This is
the default messageThis is the message for switch, name is [name] and the switch
only prop is [swCTestOnly]This is the message for IFC, name is [name] and the IFC
only prop is [ifcCTestOnly]
```

### Explanation

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1573 -fltSyntheticCTestObjFor-subclass-ctest-pe****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1573][test-failure][major][DN of affected MO] This is the default messageThis is the message for switch, name is [name] and the switch only prop is [swCTestOnly]This is the message for IFC, name is [name] and the IFC only prop is [ifcCTestOnly]
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1574 -fltDatetimeNtpqFailed****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1574][ntp-error][critical][DN of affected MO] Ntp configuration on Node [id] for [remote] is in [refid] stage
```

**Explanation**

This fault occurs when a ntp configuration on a controller has problems

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the ntp peers are correctly configured and are reachable.
  - Step 2** Verify that the ntp peers have the correct keys.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1582 - fltFirmwareCompRunningOperStFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1582][ver-mismatch][minor][DN of affected MO] FPGA
version mismatch detected. Running version: [version] Expected
version:[expectedVer]
```

### Explanation

This fault occurs when running FPGA firmware version is not an expected version.

### Recommended Action

Update the running FPGA firmware to the version bundled up with the current running image.

## F1583 - fltFirmwareCardRunningOperStFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1583][ver-mismatch][minor][DN of affected MO] BIOS
version mismatch detected. Running version: [biosVer] Expected
version:[expectedVer]
```

### Explanation

This fault occurs when running BIOS firmware is not an expected version.

### Recommended Action

Update the running BIOS firmware to the version recommended for the current running image.

## F1600 - fltEigrpRslfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1600][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1601 - fltFvRsCtxToEigrpCtxAfPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1601][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1603 - fltIpv6AddrIpv6CfgCtrl****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1603][config-failure][warning][DN of affected MO]
Address configuration failure. Reason: [ipv6CfgState]
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1604 - fltIpv6NextHopIpv6CfgCtrl****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1604][config-failure][warning][DN of affected MO]
Route NextHop configuration failure. Reason: [ipv6CfgState]
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F1606 - fltHvsExtPolOperIssues****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1606][oper-issues][minor][DN of affected MO]
Operational issues detected on portgroup: [name] in VM Controller:[name], VM
Domain:[domName], VM Provider:[vendor], error: [operIssues]
```

**Explanation**

This fault is raised when issues are detected with portgroups learned from vCenter. E.g. missing EPg policy

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Fix the issue by creating the policy based on the fault description
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F1607 - fltMcplfLoopDetected

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1607][oper-state-failed][critical][DN of affected MO]
Loop is detected on [id]
```

### Explanation

This fault occurs when a loop is detected

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Review the network topology and vlan configuration on the node and the peer
  - Step 2** If the above action did not resolve the issue, collect a **show tech-support** file and contact Cisco TAC.

## F1613 - fltVnsCtrlrMgmtPolConfMismatch

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1613][configuration-failed][minor][DN of affected MO]
Controller managemt policy in tenant [name] is invalid.
```

### Explanation

This fault occurs when the inband mgmt policy posted by the user is incorrect. The config issues indicate the exact reason for the error.

### Recommended Action

If you see this fault, please modify the configuration to resolve cause of fault.

## F1614 - fltVnsRsVDevDomainRefContToDomainRefResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1614][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1615 - fltIpv6AddrOperStDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1615][oper-state-failed][major][DN of affected MO] IPv6 address is operationally down, reason:[operStQual]
```

### Explanation

This fault occurs when the operational state of the ipv6 address state is changed to subnet-overlap/no primary/addr already configd as next hop in a static route

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete

## F1616 - fltIpv6NextHopOperStDown

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1616][oper-state-failed][major][DN of affected MO] Route NextHop is operationally down, reason:[operStQual]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1617 - fltVnsRsLifCtxToInstPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1617][resolution-failed][warning][DN of affected MO] Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1629 - fltFabricRsPathToLePortPGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1629][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1630 - fltFabricRsPathToSpPortPGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1630][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1631 - fltInfraRsPathToAccBaseGrpResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1631][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1639 - fltFvRsNdPfxPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1639][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1640 - fltL3extRsNdlfPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1640][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1648 - fltInfraRsL2IfPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1648][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1649 - fltVnsRTInfoConfMismatch****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1649][configuration-failed][major][DN of affected MO]
Operation on device Package on appliance [appliance] failed
```

**Explanation**

This fault occurs when an operation on device package fails. The config issues indicate the exact reason for the error.

**Recommended Action**

If you see this fault, please capture tech-support file, delete device package and repost the device package again.

## F1651 - fltDbgexpPolicyStatusExportData

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1651][export-data-failed][minor][DN of affected MO]
Upload triggered at [lastCollectionTime] for policy [polName]
[lastCollectionStatus] . Check operational status for details.
```

### Explanation

This fault occurs when export operation for techsupport or core files did not succeed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** look at techsupport status and figure out which IFC/node is erroring out.
  - Step 2** Verify the destination it is trying to export data to is healthy/reachable
  - Step 3** If the above action did not resolve the issue, contact Cisco TAC.

## F1654 - fltVnsRsALDevToDevMgrResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1654][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1655 - fltVnsRsCDevToChassisResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1655][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1656 - fltVnsRsChassisEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1656][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1657 - fltVnsRsChassisToMChassisResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1657][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1658 - fltVnsRsDevMgrEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1658][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1659 - fltVnsRsDevMgrToMDevMgrResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1659][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1660 - fltVnsRsMChassisToMDevResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1660][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1661 - fltVnsRsMDevMgrToMDevResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1661][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1662 - fltCoopDomCoopDomCitizenVersionLower****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1662][oper-state-change][warning][DN of affected MO]
Leaf (citizen node) with version:[curVersion] is lower than highest supported
version:[councilMinMaxVersion] in fabric. Upgrade leaf [lastLowerVersionAddr] to
a firmware revision which supports coop version [maxVersion]
```

**Explanation**

This fault occurs when the version of the Council Of Oracles Protocol (COOP) running on a leaf (citizen node) is determined by the spine (oracle node) to be lower than what is currently supported. No impact to connectivity should be seen due to running at lower version. However, failure to upgrade to the fabric node firmware on the leaf that contains highest supported version of coop may impact coop performance or coop may not operate with supported functionalities introduced in the higher coop version.

**Recommended Action**

To recover from this fault, try the following actions

- 
- Step 1** Verify there is no leaf (citizen node) with a lower coop version than highest supported version running in the fabric. To verify the leaf with lower version:
- Use the GUI to examine the maxVersion value under **Fabric Inventory Pod Leaf Protocols COOP [domain-name]** ; or
  - Use REST API to examine the maxVersion value from `https://[leaf-ip]/api/mo/sys/coop/inst/dom-[domain-name].xml`; or
  - Use CLI to examine the maxVersion value in file `/mit/sys/coop/inst/dom-[domain-name]`
- Step 2** Upgrade the fabric node software on the leaf in question to a version that has the highest supported coop version running in the fabric. You can examine other leaves to determine what switch firmware version to upgrade to.
- Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1663 - fltCoopDomCoopDomOracleVersionLower

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1663][oper-state-change][warning][DN of affected MO]
Spine (oracle node) with version:[curVersion] is lower than highest supported
version:[maxVersion] in fabric. Upgrade spine in question to a firmware revision
which supports coop version [maxVersion]
```

### Explanation

This fault occurs when the version of the Council Of Oracles Protocol (COOP) running on a spine (oracle node) is determined by another spine to be lower than what is currently supported. No impact to connectivity should be seen due to running at lower version. However, failure to upgrade the fabric node firmware on the spine that contains highest supported version of coop may impact coop performance or coop may not operate with supported functionalities introduced in the higher coop version.

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Verify there is no spine (oracle node) with a lower coop version than highest supported version running in the fabric. To verify the spine with the lower version:
- Use the GUI to examine the maxVersion value under **Fabric Inventory Pod Leaf Protocols COOP [domain-name] Oracle Adjacencies [spine ip]**; or
  - Use REST API to examine the maxVersion value from `https://[spine-ip]/api/mo/sys/coop/inst/dom-[domain-name].xml?query-target=subtree=coopOracleAdj`; or
  - Use CLI to examine the maxVersion value in file `/mit/sys/coop/inst/dom-[domain-name]/oracle-[spine-ip]`
- Step 2** Upgrade the fabric node software on the spine in question to a version that has the highest supported coop version running in the fabric. You can examine other spines to determine what switch firmware version to upgrade to.
- Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1664 - fltCoopDomCoopDomVersionLower

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1664][oper-state-change][warning][DN of affected MO]
Spine (oracle node) or leaf (citizen node) with version:[curVersion] is lower than
highest supported version:[maxVersion] in fabric. Upgrade node in question to a
firmware revision which supports coop version [maxVersion]
```

### Explanation

This fault occurs when the version of the Council Of Oracles Protocol (COOP) running on a leaf (citizen node) or spine (oracle node) is determined by a leaf to be lower than what is currently supported. No impact to connectivity should be seen due to running at lower version. However, failure to upgrade the fabric node firmware on the node in question to the highest supported version of coop may impact coop performance or coop may not operate with supported functionalities introduced in the higher coop version.

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Verify there is no spine (oracle node) with a lower coop version than highest supported version running in the fabric. To verify the spine with lower version:
- Use the GUI to examine the maxVersion value under **Fabric Inventory Pod Leaf Protocols COOP [domain-name] Oracle Adjacencies [spine ip]**; or
  - Use REST API to examine the maxVersion value from `https://[spine-ip]/api/mo/sys/coop/inst/dom-[name].xml?query-target=subtree=coopOracleAdj`; or
  - Use CLI to examine the maxVersion value in file `/mit/sys/coop/inst/dom-[domain-name]/oracle-[spine-ip]`
- Step 2** Upgrade the fabric node software on the spine in question to a version that has the highest supported coop version running in the fabric. You can examine other spines to determine what switch firmware version to upgrade to.
- Step 3** Verify there is no leaf (citizen node) with a lower coop version than highest supported version running in the fabric. Identify the leaf node that has a lower coop version by doing the following on any spine:
- Use the GUI to examine the lastLowerVersionAddr under **Fabric Inventory Pod Leaf Protocols COOP [domain-name]**; or
  - Use REST API to examine the lastLowerVersionAddr value from `https://[spine-ip]/api/mo/sys/coop/inst/dom-[domain-name].xml`; or
  - Use CLI to examine the lastLowerVersionAddr value in file `/mit/sys/coop/inst/dom-[domain-name]` Now confirm the supported highest version for the leaf node, identified from above, is lower than highest supported in fabric as follow:
  - Use the GUI to examine the maxVersion under **Fabric Inventory Pod Leaf Protocols COOP [domain-name]**; or
  - Use REST API to examine the maxVersion value from `https://[leaf-ip]/api/mo/sys/coop/inst/dom-[domain-name].xml`; or
  - Use CLI to examine the maxVersion value in file `/mit/sys/coop/inst/dom-[domain-name]`

- Step 4** Upgrade the fabric node software on the leaf in question to a version that has the highest supported coop version running in the fabric. You can examine other leafs to determine what switch firmware version to upgrade to.
- Step 5** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1665 - fltConfigRsRemotePathResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1665][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1669 - fltVmmCtrlrPMsftConfigFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1669][configuration-failed][minor][DN of affected MO]
Controller profile [hostOrIp] with name [name] in SCVMM Cloud [rootContName] in
domain [name] configuration failed due to [msftConfigIssues]
```

### Explanation

This fault is raised when the SCVMM plugin encounters an exception in provisioning vmmCtrlrP.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the system events in the SCVMM or WAP machine for details.

## F1674 - fltSpanRsDestApicResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1674][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1676 - fltVmmAgtStatusConnectFailed

### Syslog Message

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1676][connect-failed][major][DN of affected MO]
Communication status for Microsoft Agent is [operSt]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1678 - fltFvRsCtxToExtRouteTagPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1678][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1680 - fltAcRuleIpOperStFailed

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1680][failed][minor][DN of affected MO] [ruleId]
configuration for [tenantName] [vrfName] has failed due to [operStateQual]
```

### Explanation

This fault occurs when either the total Atomic Counter rule reaches maximum programmable limit or an unsupported modification is made on an Atomic counter policy. The acRule does not get programmed and is instead stuck in failed state.

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** If the fault occurred because of a policy modification, disable and re-enable the atomic counter policy with the changes.
  - Step 2** If the fault occurred because the maximum limit was reached, remove unneeded Atomic Counter configuration policies to accommodate new policies.

- Step 3** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1686 - fltNdRsRaSubnetToNdPfxPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1686][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1688 - fltEthpmFcotDefectiveTransceiver

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F1688][defective-transceiver][critical][DN of affected
MO] Transceiver is defective and unable to be brought up in system
```

### Explanation

This fault occurs when a transceiver is defective and unable to be used in the system

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Remove the defective transceiver

## F1690 - fltVnsConflIssueConflIssue

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1690][configuration-failed][minor][DN of affected MO]
Configuration is invalid due to [issue]
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1691 - fltDbgacRsFromAbsEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1691][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1692 - fltDbgacRsToAbsEpgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1692][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1693 - fltTroubleshootRsSessionSchedulerResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1693][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1695 - fltL3extRsBgpAsPResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1695][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

### Explanation

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1696 - fltL1PhysIfPortEPGSpanInvalid****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1696][port-invalid-config][warning][DN of affected MO]
Port has invalid configuration of both EPG and span destination
```

**Explanation**

This fault occurs when a port is set to epg and also a span destination which is invalid.

**Recommended Action**

To recover from this fault, try the following actions

- 
- Step 1** Remove port from epg
  - Step 2** Remove port as a span destination

**F1698 - fltOpflexODevODevMissHeartbeat****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1698][operational-issues][major][DN of affected MO]
Operational issues detected for OpFlex device: [hostName], error: [[state]]
```

**Explanation**

This fault is raised when there is an issue with respect to the OpFlex device

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** To restore, delete and re-add the OpFlex device.
  - Step 2** Check connectivity to the OpFlex device.
  - Step 3** Try restarting the device.
  - Step 4** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

**F1699 - fltDatetimeNtpProviderStatusNtp-prov-fault****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1699][ntp-error][warning][DN of affected MO] Ntp
configuration on [role] [name] is not synced to NTP server
```

**Explanation**

This fault occurs when a ntp configuration on a switch has problems

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the ntp peers are correctly configured and are reachable.
  - Step 2** Verify that the ntp peers have the correct keys.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1700 - fltDatetimeClkPolNtp-prov-fault****Syslog Message**

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1700][ntp-error][minor][DN of affected MO] Ntp
configuration on [role] [name] is [srvStatus]
```

**Explanation**

This fault occurs when a ntp configuration on a controller has problems

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the ntp peers are correctly configured and are reachable.
  - Step 2** Verify that the ntp peers have the correct keys.
  - Step 3** If the above action did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

**F1703 - fltTraceroutepRsTrEpExtIpSrcResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1703][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tDn] of class [tCl]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1705 - fltInfraRsFwPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1705][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1706 - fltInfraRsOverrideFwPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1706][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1707 - fltVmmRsDefaultFwPolResolveFail****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1707][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

**Explanation**

The object refers to an object that was not found.

**Recommended Action**

Make sure that referenced object exists and the name is spelled correctly in the relation object.

**F1712 - fltFvOrchsInfoVipNotAllocated****Syslog Message**

```
%LOG_LOCAL0-2-SYSTEM_MSG [F1712][deployment-failed][major][DN of affected MO] VIP
Not Allocated
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F1722 - fltVnsRsLDevCtxToRtrCfgResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1722][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F1726 - fltMgmtConfigAddrDuplicateMgmtAddr

### Syslog Message

```
%LOG_LOCAL0-3-SYSTEM_MSG [F1726][configuration-failed][minor][DN of affected MO]
Duplicate IP address: [descr]Duplicate out-of-band management address:
[descr]Duplicate in-band management address: [descr]
```

### Explanation

This fault occurs when the same IP address is configured on multiple nodes.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Identify the nodes that are using the same IP address.
  - Step 2** Fix address pools, or the static IP that is assigned to the conflicting nodes.
  - Step 3** If above actions did not resolve the issue, create a **tech-support** file and contact Cisco TAC.

## F1729 - fltOspfV3AdjEpFailed

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1729][oper-state-failed][warning][DN of affected MO]
OSPFv3 adjacency is not full, current state [operSt]
```

### Explanation

This fault occurs when the adjacency state is not up

### Recommended Action

To recover from this fault, try the following actions

- 
- Step 1** Look at any configuration issues
  - Step 2** Verify the configuration is correct/complete
  - Step 3** Check network connectivity to the peer

- Step 4** If the above actions did not resolve the issue, generate the **show tech-support** file and contact Cisco TAC.

## F1731 - fltInfraRsOverrideStpPolResolveFail

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F1731][resolution-failed][warning][DN of affected MO]
Failed to form relation to MO [tRn] of class [tCl] in context [tContextDn]
```

### Explanation

The object refers to an object that was not found.

### Recommended Action

Make sure that referenced object exists and the name is spelled correctly in the relation object.

## F16438 - fsmStFailCompCtrlrAdd:Connect

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][connect-failed][warning][DN of affected MO]
[FSM:STAGE:FAILED|RETRY]: Connect stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmgr:CompCtrlrAdd:Connect)
```

### Explanation

This fault is raised when Controller Connect Stage fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the Controller Name, IP address and login credentials are correct
- Step 2** This stage will be retried automatically. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F16438 - fsmStFailCompCtrlrAdd:GetInventory

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][get-inventory-failed][warning][DN of affected
MO] [FSM:STAGE:FAILED|RETRY]: Inventory pull stage for VM Controller: [name] VM
Domain: [domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmgr:CompCtrlrAdd:GetInventory)
```

### Explanation

This fault is raised when Get Inventory Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16438 - fsmStFailCompCtrlrAdd:GetTimestamp

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][get-timestamp-failed][warning][DN of affected MO] [FSM:STAGE:FAILED|RETRY]: Get Current Timestamp stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:GetTimestamp)
```

### Explanation

This fault is raised when Get Controller Time Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16438 - fsmStFailCompCtrlrAdd:Init

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][init-failed][warning][DN of affected MO] [FSM:STAGE:FAILED|RETRY]: Init stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:Init)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F16438 - fsmStFailCompCtrlrAdd:Online

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][online-failed][warning][DN of affected MO] [FSM:STAGE:FAILED|RETRY]: Online stage VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:Online)
```

### Explanation

This fault is raised when Online Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16438 - fsmStFailCompCtrlrAdd:PostInventory

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][post-inventory-failed][warning][DN of affected MO] [FSM:STAGE:FAILED|RETRY]: Post Inventory stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmgr:CompCtrlrAdd:PostInventory)
```

### Explanation

This fault is raised when Post Inventory Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16438 - fsmStFailCompCtrlrAdd:SubscribeEvents

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16438][subscribe-events-failed][warning][DN of affected MO] [FSM:STAGE:FAILED|RETRY]: Event Registration stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmgr:CompCtrlrAdd:SubscribeEvents)
```

### Explanation

This fault is raised when Subscribe Events Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16443 - fsmStFailCompCtrlrRemove:Cleanup

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16443][cleanup-failed][warning][DN of affected MO] [FSM:STAGE:FAILED|RETRY]: Cleanup stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmgr:CompCtrlrRemove:Cleanup)
```

### Explanation

This fault is raised when first Cleanup Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16443 - fsmStFailCompCtrlrRemove:Cleanup2

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16443][cleanup2-failed][warning][DN of affected MO]
[FSM:STAGE:FAILED|RETRY]: Extended Cleanup stage for VM Controller: [name] VM
Domain: [domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:Cleanup2)
```

### Explanation

This fault is raised when second Cleanup Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16443 - fsmStFailCompCtrlrRemove:Disconnect

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16443][disconnect-failed][warning][DN of affected MO]
[FSM:STAGE:FAILED|RETRY]: Disconnect stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:Disconnect)
```

### Explanation

This fault is raised when Disconnect Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16443 - fsmStFailCompCtrlrRemove:MitClean

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16443][mit-clean-failed][warning][DN of affected MO]
[FSM:STAGE:FAILED|RETRY]: MIT cleanup stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:MitClean)
```

### Explanation

This fault is raised when MIT Clean Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16443 - fsmStFailCompCtrlrRemove:Offline

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16443][offline-failed][warning][DN of affected MO]
[FSM:STAGE:FAILED|RETRY]: Offline stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmmgr:CompCtrlrRemove:Offline)
```

### Explanation

This fault is raised when Offline Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F16443 - fsmStFailCompCtrlrRemove:UnSubscribeEvents

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F16443][un-subscribe-events-failed][warning][DN of
affected MO] [FSM:STAGE:FAILED|RETRY]: Unsubscribe Events stage VM Controller:
[name] VM Domain: [domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmmgr:CompCtrlrRemove:UnSubscribeEvents)
```

### Explanation

This fault is raised when Event Unsubscribe Stage fails.

### Recommended Action

Please collect **tech-support** file and contact Cisco TAC

## F540726 - fsmRmtErrCompCtrlrAdd:Connect

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][connect-failed][warning][DN of affected MO]
[FSM:STAGE:REMOTE-ERROR]: Connect stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmmgr:CompCtrlrAdd:Connect)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540726 - fsmRmtErrCompCtrlrAdd:GetInventory

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][get-inventory-failed][warning][DN of affected MO] [FSM:STAGE:REMOTE-ERROR]: Inventory pull stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:GetInventory)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540726 - fsmRmtErrCompCtrlrAdd:GetTimestamp

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][get-timestamp-failed][warning][DN of affected MO] [FSM:STAGE:REMOTE-ERROR]: Get Current Timestamp stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:GetTimestamp)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540726 - fsmRmtErrCompCtrlrAdd:Init

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][init-failed][warning][DN of affected MO] [FSM:STAGE:REMOTE-ERROR]: Init stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:Init)
```

### Explanation

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F540726 - fsmRmtErrCompCtrlrAdd:Online****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][online-failed][warning][DN of affected MO]
[FSM:STAGE:REMOTE-ERROR]: Online stage VM Controller: [name] VM Domain: [domName]
VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmmgr:CompCtrlrAdd:Online)
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F540726 - fsmRmtErrCompCtrlrAdd:PostInventory****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][post-inventory-failed][warning][DN of
affected MO] [FSM:STAGE:REMOTE-ERROR]: Post Inventory stage for VM Controller:
[name] VM Domain: [domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmmgr:CompCtrlrAdd:PostInventory)
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540726 - fsmRmtErrCompCtrlrAdd:SubscribeEvents

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540726][subscribe-events-failed][warning][DN of affected MO] [FSM:STAGE:REMOTE-ERROR]: Event Registration stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrAdd:SubscribeEvents)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540731 - fsmRmtErrCompCtrlrRemove:Cleanup

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540731][cleanup-failed][warning][DN of affected MO] [FSM:STAGE:REMOTE-ERROR]: Cleanup stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:Cleanup)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540731 - fsmRmtErrCompCtrlrRemove:Cleanup2

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540731][cleanup2-failed][warning][DN of affected MO] [FSM:STAGE:REMOTE-ERROR]: Extended Cleanup stage for VM Controller: [name] VM Domain: [domName] VM Provider: [name] Error: [remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:Cleanup2)
```

### Explanation

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F540731 - fsmRmtErrCompCtrlrRemove:Disconnect****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540731][disconnect-failed][warning][DN of affected MO]
[FSM:STAGE:REMOTE-ERROR]: Disconnect stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:Disconnect)
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F540731 - fsmRmtErrCompCtrlrRemove:MitClean****Syslog Message**

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540731][mit-clean-failed][warning][DN of affected MO]
[FSM:STAGE:REMOTE-ERROR]: MIT cleanup stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:MitClean)
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540731 - fsmRmtErrCompCtrlrRemove:Offline

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540731][offline-failed][warning][DN of affected MO]
[FSM:STAGE:REMOTE-ERROR]: Offline stage for VM Controller: [name] VM Domain:
[domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:Offline)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F540731 - fsmRmtErrCompCtrlrRemove:UnSubscribeEvents

### Syslog Message

```
%LOG_LOCAL0-4-SYSTEM_MSG [F540731][un-subscribe-events-failed][warning][DN of
affected MO] [FSM:STAGE:REMOTE-ERROR]: Unsubscribe Events stage VM Controller:
[name] VM Domain: [domName] VM Provider: [name] Error:
[remoteErrMsg] (FSM-STAGE:ifc:vmmngr:CompCtrlrRemove:UnSubscribeEvents)
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606210 - fsmFailResConsumerRegister

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606210][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ResConsumerRegister
```

### Explanation

This fault occurs when resource consumer registration (used for ID / resource tracking) fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606211 - fsmFailResConsumerUnregister

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606211][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ResConsumerUnregister
```

### Explanation

This fault occurs when resource consumer unregistration (used for ID / resource tracking) fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606212 - fsmFailTagInstConfDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606212][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:TagInstConfDef
```

### Explanation

This fault occurs when a tag reference configuration fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606214 - fsmFailTagAliasDelInstDelAliasDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606214][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:TagAliasDelInstDelAliasDef
```

### Explanation

This fault occurs when alias reference fails to be deleted

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606215 - fsmFailPconsResolverResolve

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606215][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:PconsResolverResolve
```

### Explanation

This fault is raised when the node (leaf/spine) fails to send the message to controller to resolve all its policies.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606220 - fsmFailIdentSourceRelease

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606220][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:IdentSourceRelease
```

### Explanation

This fault occurs when an internal identifier fails to be released.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606232 - fsmFailDbgexpNodeStatusReportIFCStatus

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606232][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgr:DbgexpNodeStatusReportIFCStatus
```

### Explanation

This fault is raised when reporting export status from dbgr to correct shard fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606233 - fsmFailDbgexpNodeStatusRemoveFile

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606233][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgr:DbgexpNodeStatusRemoveFile
```

### Explanation

This fault is raised when sending export file name to correct APIC to remote it, fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606234 - fsmFailSvccoreACoreSendCoreInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606234][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgr:SvccoreACoreSendCoreInfo
```

### Explanation

This fault is raised when task to send core MO info to correct shard fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606234 - fsmFailSvccoreNodeSendCoreInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606234][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgrelem:SvccoreNodeSendCoreInfo
```

### Explanation

This fault is raised when task to report core info from node to APIC fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606236 - fsmFailAaaUserResetAdminPasswd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606236][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:extXMLApi:AaaUserResetAdminPasswd
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606242 - fsmFailFirmwareSourcePopulateRepo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606242][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:bootmgr:FirmwareSourcePopulateRepo
```

### Explanation

This fault occurs upon failure to update information about a downloaded image

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606243 - fsmFailFirmwareDownloadPopulateDownload

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606243][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:bootmgr:FirmwareDownloadPopulateDownload
```

### Explanation

This fault occurs upon failure to update information about download

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606245 - fsmFailDbgexpNodeStatusReportNodeStatus

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606245][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgrelem:DbgexpNodeStatusReportNodeStatus
```

### Explanation

This fault is raised when task to report export status from node to APIC fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606262 - fsmFailCompCtrlrAdd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606262][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrAdd
```

### Explanation

This fault is raised when FSM for Controller Add operation fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check if there are repeated failures of any FSM stage
  - Step 2** Perform the suggested actions to correct stage failures
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F606267 - fsmFailCompCtrlrRemove

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606267][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrRemove
```

### Explanation

This fault is raised when FSM for Controller Remove operation fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check if there are any FSM stage failures
  - Step 2** Perform the suggested Actions to correct stage failures
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F606274 - fsmFailTopSystemSendTopSystem

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606274][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemSendTopSystem
```

### Explanation

This fault is raised when sending top System changes to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F606277 - fsmFailFirmwareCtrlrFwStatusContSendCtrlrRunning

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606277][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:FirmwareCtrlrFwStatusContSendCtrlrRunning
```

### Explanation

This fault is raised when sending controller firmwareCtrlrRunning object to firmwareFwStatusCont fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F606278 - fsmFailMaintNodeInMaintSendCtrlrUpgradeReq

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606278][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:MaintNodeInMaintSendCtrlrUpgradeReq
```

### Explanation

This fault is raised when Appliance Element fails to send upgrade request to scheduler

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F606279 - fsmFailFirmwareFirmwareLoadCatalog

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606279][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:FirmwareFirmwareLoadCatalog
```

### Explanation

This fault occurs when loading compatibility catalog for the firmware fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F606347 - fsmFailCompEpPDAddorDelExtPol****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606347][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompEpPDAddorDelExtPol
```

**Explanation**

This fault is raised when adding/deleting Portgroups for a VMM Controller fails.

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F606348 - fsmFailCompVNicPDefVNicUpdate****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606348][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompVNicPDefVNicUpdate
```

**Explanation**

This fault is raised when updating a vNIC profile definition fails. This typically happens if the Physical-NICs of the Hosts are not placed in DVS(vDS) managed by APIC

**Recommended Action**

Please ensure Physical-NICs of host is placed in the DVS(vDS) managed by APIC. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F606349 - fsmFailHvsExtPolUpdate****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606349][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsExtPolUpdate
```

**Explanation**

This fault is raised when sending the external policy information from vShield controller to vCenter controller fails

**Recommended Action**

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606350 - fsmFailLacpLagPolDefUpdateLacp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606350][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:LacpLagPolDefUpdateLacp
```

### Explanation

This fault is raised when updating the LACP Lag Policy at the DVS fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606351 - fsmFailCompPolContUpdateCtrlrPol

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606351][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompPolContUpdateCtrlrPol
```

### Explanation

This fault is raised when updating the Controller policy container at the DVS fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606352 - fsmFailCompStatsPolUpdateStatsPol

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606352][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompStatsPolUpdateStatsPol
```

### Explanation

This fault is raised when updating the statistics monitoring policy for the Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606353 - fsmFailFvnsVxlanInstDefAddorDelFvnsInst

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606353][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:FvnsVxlanInstDefAddorDelFvnsInst
```

### Explanation

This fault is raised when adding/deleting a VXLAN Pool definition for the Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606354 - fsmFailFvnsMcastAddrInstDefAddorDel

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606354][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:FvnsMcastAddrInstDefAddorDel
```

### Explanation

This fault is raised when adding/deleting a Multicast Address Pool definition for the VMM Controller fails.

### Recommended Action

This task is internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606359 - fsmFailHvsLNodeAddorDelUplinkPortGroup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606359][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:HvsLNodeAddorDelUplinkPortGroup
```

### Explanation

This fault is raised when adding/deleting an uplink Portgroup for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606360 - fsmFailHvsLNodeAddorDelVtepPortGroup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606360][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsLNodeAddorDelVtepPortGroup
```

### Explanation

This fault is raised when adding/deleting a VTEP Porgroup for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606361 - fsmFailCompHpNicAddorDelVtepNic

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606361][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompHpNicAddorDelVtepNic
```

### Explanation

This fault is raised when adding/deleting a VTEP NIC fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606365 - fsmFailNwPathEpUpdatePathEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606365][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:NwPathEpUpdatePathEp
```

### Explanation

This fault is raised when notification of a network path endpoint update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606367 - fsmFailCompHpNicUpdateHostVendorConfig

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606367][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompHpNicUpdateHostVendorConfig
```

### Explanation

This fault is raised when updating host vendor configuration fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606369 - fsmFailHvsExtPolSetExtPolInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606369][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:HvsExtPolSetExtPolInfo
```

### Explanation

This fault is raised when setting external policy information for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606371 - fsmFailCompEpPConnResolveEPgAdj

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606371][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompEpPConnResolveEPgAdj
```

### Explanation

This fault is raised when Endpoint Attach/Detach update to Policy Manager fails. This is an internal task.

### Recommended Action

This task is retried automatically. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606379 - fsmFailCompCtrlrFindCluster

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606379][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrFindCluster
```

### Explanation

This fault is raised when Cluster update to VMM Controller fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate that one or more of the physical NIC of all the hosts of the cluster are attached to the DVS
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F606386 - fsmFailCompCtrlrHandleObjUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606386][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrHandleObjUpd
```

### Explanation

This fault is raised when sending cluster add message to VMM Controller fails.

### Recommended Action

This task is internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606389 - fsmFailCompCtrlrPrepareLNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606389][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrPrepareLNode
```

### Explanation

This fault is raised when DVS preparation operation for vShield Controller fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate that vShield is associated with vCenter and it is reachable from vShield
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F606391 - fsmFailCompHvGetHpNicAdj

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606391][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompHvGetHpNicAdj
```

### Explanation

This fault is raised when LLDP/CDP Adjacency information is not found for the physical adapters on the host.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate LLDP configuration on DVS, vCenter and Physical Switch connected to the Host.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F606392 - fsmFailCompMgmtNicGetMgmtNicIp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606392][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompMgmtNicGetMgmtNicIp
```

### Explanation

This fault is raised when the IP address for the interface on the host cannot be found.

### Recommended Action

This task is automatically retried. If you see repeated failures, take the following actions:

- 
- Step 1** Check network connectivity for the host.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC. This failure is automatically retried.

## F606395 - fsmFailCompRsCtrlrGetAssocCtrlrInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606395][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompRsCtrlrGetAssocCtrlrInfo
```

### Explanation

This fault is raised when an error is encountered when obtaining vCenter hyperlink reference from vCloud Director.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate that vCenter is associated with the vCloud Director. If not re-attach the vCenter
  - Step 2** Validate that vCenter hyperlink reference can be obtained using vCloud RestAPI
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC. This failure is automatically retried.

## F606430 - fsmFailMaintNodeInMaintCanUpgrade

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606430][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:MaintNodeInMaintCanUpgrade
```

### Explanation

This fault is raised when CanIUpgrade handshake fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606431 - fsmFailMaintNodeInMaintUpdateDesiredVer

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606431][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:MaintNodeInMaintUpdateDesiredVer
```

### Explanation

This fault is raised when update desired software version fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606434 - fsmFailLldpIfLldpDiscovery

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606434][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:LldpIfLldpDiscovery
```

### Explanation

This fault is raised when update Adrelay on LLDP discovery fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606435 - fsmFailFvVDEpWaitForEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606435][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:FvVDEpWaitForEpP
```

### Explanation

This fault is raised when wait for endpoing profile download fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606436 - fsmFailHvsRtNicAdjReportLooseNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606436][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:HvsRtNicAdjReportLooseNode
```

### Explanation

This fault is raised when LooseNode Report Update to TopoManager fails.

### Recommended Action

This failure is automatically retried. If you see repeated failures, Collect **tech-support** file and contact Cisco TAC.

## F606436 - fsmFailLeqptLooseNodeReportLooseNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606436][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:LeqptLooseNodeReportLooseNode
```

### Explanation

This fault is raised when notification about a LooseNode (unmanaged node) discovery or update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606483 - fsmFailSysdebugTechSupportInitiate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606483][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugTechSupportInitiate
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606484 - fsmFailSysdebugTechSupportDeleteTechSupFile

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606484][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugTechSupportDeleteTechSupFile
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606486 - fsmFailSysdebugCoreDownload

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606486][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugCoreDownload
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606486 - fsmFailSysdebugTechSupportDownload

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606486][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugTechSupportDownload
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606487 - fsmFailSysdebugLogControlEpLogControlPersist

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606487][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugLogControlEpLogControlPersist
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606565 - fsmFailFabricRsDecommissionNodeRemoveSwitch

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606565][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricRsDecommissionNodeRemoveSwitch
```

### Explanation

This fault is raised when send decommission message to switch fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606566 - fsmFailFabricRsDecommissionNodeTopoCleanup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606566][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricRsDecommissionNodeTopoCleanup
```

### Explanation

This fault is raised when remove node request fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606567 - fsmFailFabricDecommissionJobPmCleanup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606567][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricDecommissionJobPmCleanup
```

### Explanation

This fault is raised when send policy cleanup request fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606597 - fsmFailDhcpDiscNodeReport

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606597][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:DhcpDiscNodeReport
```

### Explanation

This fault is raised when notification about a DHCP discovered node fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606615 - fsmFailVzFilterConfRFltP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606615][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzFilterConfRFltP
```

### Explanation

This fault occurs when filter profile fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606616 - fsmFailVzFltTaskAggrConfRFltPAggr

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606616][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzFltTaskAggrConfRFltPAggr
```

### Explanation

This fault occurs when filter profile fails to be configured for aggregated filters

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606617 - fsmFailVzCtrctEPgContCtrctToEpPUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606617][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCtrctEPgContCtrctToEpPUpd
```

### Explanation

This fault occurs when endpoint profile remote EPG contract fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606640 - fsmFailFvCollectionContBringInfoIntoCollectionShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606640][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvCollectionContBringInfoIntoCollectionShard
```

### Explanation

This fault occurs when EPG configuration fails to be delivered to contract collection

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606640 - fsmFailVzCollectionContBringInfoIntoCollectionShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606640][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCollectionContBringInfoIntoCollectionShard
```

### Explanation

This fault occurs when EPG collection for context configuration fails to be delivered to contract collection

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606643 - fsmFailVzTabooCreateAnyTaboo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606643][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzTabooCreateAnyTaboo
```

### Explanation

This fault occurs when a taboo entry fails to be delivered to a remote EPG

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606644 - fsmFailVzBrCPVzForceConfig

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606644][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzBrCPVzForceConfig
```

### Explanation

This fault occurs when a dependent L4-L7 service graph template fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606655 - fsmFailDhcpRsProvUpdDhcpProvAddress

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606655][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DhcpRsProvUpdDhcpProvAddress
```

### Explanation

This fault is raised when update DHCP provider address fails

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F606664 - fsmFailInfraNodeCfgManageVpcId

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606664][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:InfraNodeCfgManageVpcId
```

### Explanation

This fault is raised when virtual port channel ID assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606666 - fsmFailFabricAProtGEpManageVIP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606666][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricAProtGEpManageVIP
```

### Explanation

This fault is raised when virtual IP address assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606667 - fsmFailFabricNodePEpManageProtectionChainIP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606667][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricNodePEpManageProtectionChainIP
```

### Explanation

This fault is raised when protection chain IP address assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606668 - fsmFailDbgexpExportPSendNodeList

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606668][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgexpExportPSendNodeList
```

### Explanation

This fault is raised when send controller and node list fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606669 - fsmFailDbgexpTechSupPDeleteTechSupIfcTrackers

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606669][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgexpTechSupPDeleteTechSupIfcTrackers
```

### Explanation

This fault is raised when delete controller tracker list for techsupport collection fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606670 - fsmFailDbgexpTechSupOnDDeleteOnDIfcTrackers

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606670][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgexpTechSupOnDDeleteOnDIfcTrackers
```

### Explanation

This fault is raised when delete controller tracker list for on-demand collection fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606671 - fsmFailFvVDEpEpAttachorDetach

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606671][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:FvVDEpEpAttachorDetach
```

### Explanation

This fault is raised when notification of an endpoint attach or detach fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606674 - fsmFailTagRefDelInst

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606674][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:TagRefDelInst
```

### Explanation

This fault is raised when delete tag reference target fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606725 - fsmFailVpclfUpdateVpcProtLink

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606725][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:VpclfUpdateVpcProtLink
```

### Explanation

This fault is raised when notification of virtual port channel interface info fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606755 - fsmFailFvEPgEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606755][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvEPgEpP
```

### Explanation

This fault is raised when configuration of endpoint profile definition (EpP) fails

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606757 - fsmFailFvEPgUpdMgmtDeplCont

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606757][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvEPgUpdMgmtDeplCont
```

### Explanation

This fault is raised when attempt to update inband management epg with device cluster interface fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606758 - fsmFailFvRtProvProvDhcpUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606758][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvRtProvProvDhcpUpd
```

### Explanation

This fault is raised when update DHCP provider with relation to current bridge domain fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606761 - fsmFailFvAEpDefEndPointUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606761][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvAEpDefEndPointUpd
```

### Explanation

This fault is raised when notify endpoint update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606764 - fsmFailCompRsCtrlrPEpPDUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606764][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:CompRsCtrlrPEpPDUpd
```

### Explanation

This fault is raised when an EpG update to the VMM Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606764 - fsmFailFvRsDomAttEpPDUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606764][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvRsDomAttEpPDUpd
```

### Explanation

This fault is raised when configuration of endpoint profile definition (EpPD) to the domain fails

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606764 - fsmFailVnsEPpInfoEpPDUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606764][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsEPpInfoEpPDUpd
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606765 - fsmFailVmmCtrlrPConfig

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606765][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VmmCtrlrPConfig
```

### Explanation

This fault is raised when a configuration update to the VMM Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606766 - fsmFailInfraEpPDSendDomDefToEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606766][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:InfraEpPDSendDomDefToEpP
```

### Explanation

This fault is raised when a configuration update to EPP failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606833 - fsmFailMgmtInBZoneBringNodeInfoToInBMgmtEppShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606833][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:MgmtInBZoneBringNodeInfoToInBMgmtEppShard
```

### Explanation

This fault is raised when send node information from infra to management EPG fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606834 - fsmFailMgmtOoBZoneBringNodeInfoToOoBMgmtEppShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606834][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtOoBZoneBringNodeInfoToOoBMgmtEppShard
```

### Explanation

This fault is raised when send node information from infra to out-of-band management EPG fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606835 - fsmFailMgmtOoBOobEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606835][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtOoBOobEpP
```

### Explanation

This fault is raised when send out-of-band endpoint profile update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606836 - fsmFailMgmtCollectionContBringProvInfoIntoCtrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606836][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtCollectionContBringProvInfoIntoCtrct
```

### Explanation

This fault is raised when send out-of-band provider information to contract fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606837 - fsmFailMgmtCollectionContBringConsInfoIntoCtrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606837][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:MgmtCollectionContBringConsInfoIntoCtrct
```

### Explanation

This fault is raised when send EPG consumer information to contract fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606840 - fsmFailPresResolverResolverRepl

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606840][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:PresResolverResolverRepl
```

### Explanation

This fault is raised when handle replication for resolver fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606842 - fsmFailSpanSrcReportSpanSrcDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606842][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:SpanSrcReportSpanSrcDef
```

### Explanation

This fault is raised when notification about a Span source fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606843 - fsmFailSpanTaskParamUpdateSpanSrcGrpDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606843][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SpanTaskParamUpdateSpanSrcGrpDef
```

### Explanation

This fault is raised when notification about a Span source group fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606844 - fsmFailFvRtDestEpgSpanEpg

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606844][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvRtDestEpgSpanEpg
```

### Explanation

This fault is raised when notification about a Span source group fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606845 - fsmFailDbgacEpgSummaryReportODACDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606845][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgacEpgSummaryReportODACDef
```

### Explanation

This fault is raised when notification about a on-demand atomic counter policy fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606871 - fsmFailTopSystemUpdateTopSystem

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606871][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemUpdateTopSystem
```

### Explanation

This fault is raised when system change notification to Topology Manager fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606872 - fsmFailTopSystemUpdateFabricNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606872][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemUpdateFabricNode
```

### Explanation

This fault is raised when sending system information to Topology Manager fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606874 - fsmFailFabricNodeIdentPSend

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606874][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeIdentPSend
```

### Explanation

This fault is raised when sending Fabric Node Member information to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F606874 - fsmFailFabricNodeInfoSend

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606874][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeInfoSend
```

### Explanation

This fault is raised when sending Fabric NodeInfo data to Appliance Element fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F606874 - fsmFailFabricNodeSend

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606874][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeSend
```

### Explanation

This fault is raised when sending root Fabric Node changes to Appliance Element fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F606875 - fsmFailDbgRemotePortUpdateRemotePortToDbgrelem

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606875][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:DbgRemotePortUpdateRemotePortToDbgrelem
```

### Explanation

This fault is raised when update remote port info to debugger-element fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F606897 - fsmFailTestinfralabFreebiesReportFreebies

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606897][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:TestinfralabFreebiesReportFreebies
```

### Explanation

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F606899 - fsmFailSyntheticContextTest****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606899][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextTest
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F606900 - fsmFailSyntheticContextLocalTest****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606900][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextLocalTest
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F606901 - fsmFailSyntheticContextTest2****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606901][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextTest2
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F606902 - fsmFailSyntheticContextTest3****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606902][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextTest3
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F606910 - fsmFailInfraRsFuncToEpgReportPortsToEpp****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606910][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:InfraRsFuncToEpgReportPortsToEpp
```

**Explanation**

This fault is raised when deploy of EPG on ports associated with Attached Entity Profile fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F606911 - fsmFailInfraRsDomPSendAttEntityPToVmmDomP****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F606911][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:InfraRsDomPSendAttEntityPToVmmDomP
```

**Explanation**

This fault is raised when sending policies associated with attached entity profile to domain fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607041 - fsmFailFvAEPgLegacyEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607041][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FvAEPgLegacyEpP
```

### Explanation

This fault is raised when updating endpoint profile failed for legacy mode.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607041 - fsmFailVnsEPgDefLegacyEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607041][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsEPgDefLegacyEpP
```

### Explanation

This fault is raised if endpoint profile update for service graph internal EPG fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607045 - fsmFailVnsEPpInfoEPpInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607045][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsEPpInfoEPpInfo
```

### Explanation

This fault is raised when L4-L7 service graph related information could not be deleted from leafs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607048 - fsmFailVnsLDevInstVDevUpdGraphInst

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607048][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsLDevInstVDevUpdGraphInst
```

### Explanation

This fault is raised when updating virtual device configuration to script handler failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607050 - fsmFailVzACollectionProcessContract

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607050][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzACollectionProcessContract
```

### Explanation

This fault is raised when rendering associated service graphs failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607450 - fsmFailTopSystemControllerChassis

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607450][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemControllerChassis
```

### Explanation

This fault is raised when sending top System changes for Chassis to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F607451 - fsmFailTopSystemSwitchChassis

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607451][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemSwitchChassis
```

### Explanation

This fault is raised when chassis change notification to Topology Manager fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607479 - fsmFailPconsResolverResolveAllPolicies

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607479][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:PconsResolverResolveAllPolicies
```

### Explanation

This fault occurs when forced policy resolution fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607480 - fsmFailCallhomeInvPUpdateCallhomeInvP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607480][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:eventmgr:CallhomeInvPUpdateCallhomeInvP
```

### Explanation

This fault is raised when task to update execution status of callhome inventory policy fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607481 - fsmFailVnsRsLDevInstVDevUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607481][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsRsLDevInstVDevUpd
```

### Explanation

This fault is raised when updating device configuration on script handler failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607493 - fsmFailMgmtInstPInstPEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607493][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtInstPInstPEpP
```

### Explanation

This fault is raised when send endpoint profile update for management EPG fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607496 - fsmFailFabricShardTaskHolderUnsubscribeFromPM

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607496][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricShardTaskHolderUnsubscribeFromPM
```

### Explanation

This fault is raised when sending Fabric Node subscription removal to Policy Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F607514 - fsmFailDbgacTenantSpaceCmnAcSendDbgProfile

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607514][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:DbgacTenantSpaceCmnAcSendDbgProfile
```

### Explanation

This fault is raised when notification for a on-demand atomic counter policy fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607534 - fsmFailVzProvDefClassIdFromSharedPool

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607534][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VzProvDefClassIdFromSharedPool
```

### Explanation

This fault occurs when EPG policy enforcement tag fails to be reallocated from shared service pool

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607563 - fsmFailVnsScriptRTInfoUpdateScriptRTInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607563][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:scripthandler:VnsScriptRTInfoUpdateScriptRTInfo
```

### Explanation

This fault is raised when updating runtime info under service script failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607564 - fsmFailTopSystemUpdateRunningVer

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607564][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemUpdateRunningVer
```

### Explanation

This fault is raised when running software version fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607571 - fsmFailAaaADomainRefPushDomainRefsToRbacEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607571][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:AaaADomainRefPushDomainRefsToRbacEp
```

### Explanation

This fault is raised when configuration distribution of RbacRules fails

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607574 - fsmFailPconsResolverContCheckBootStrap

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607574][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:PconsResolverContCheckBootStrap
```

### Explanation

This fault is raised when ports cannot be brought in service after incomplete policy registration

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607575 - fsmFailPconsResolveCompleteRefPolicyDeploymentDone

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607575][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:PconsResolveCompleteRefPolicyDeploymentDone
```

### Explanation

This fault is raised when the message to notify leaf/spine about policy deployment completion fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607588 - fsmFailFirmwareFirmwareAutoloadCatalog

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607588][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:bootmgr:FirmwareFirmwareAutoloadCatalog
```

### Explanation

This fault occurs when loading firmware compatibility catalog fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607589 - fsmFailPconsResolverContCheckBootStrapWorstCaseTask

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607589][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:PconsResolverContCheckBootStrapWorstCaseTask
```

### Explanation

This fault is raised when bringing ports in service after bootstrap completion fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607590 - fsmFailFvSubnetBDDefContUpdateBDDefWithRouteDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607590][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvSubnetBDDefContUpdateBDDefWithRouteDef
```

### Explanation

This fault is raised when update bridge domain with static route fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607591 - fsmFailFvTabooCtxDefContUpdateCtxDefWithTabooDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607591][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvTabooCtxDefContUpdateCtxDefWithTabooDef
```

### Explanation

This fault is raised when update private network with taboo configuration fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607592 - fsmFailFvCtrctCtxDefContUpdateCtxDefWithEPgDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607592][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvCtrctCtxDefContUpdateCtxDefWithEPgDef
```

### Explanation

This fault is raised when update private network with EPG summary information fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607603 - fsmFailDhcpClientUpdateFnv

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607603][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:dhcpd:DhcpClientUpdateFnv
```

### Explanation

This fault occurs when updating the fabric node vector fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607610 - fsmFailFvInBEpPinBUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607610][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:FvInBEpPinBUpd
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607620 - fsmFailVnsLDevCtxReRenderGraph

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607620][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsLDevCtxReRenderGraph
```

### Explanation

This fault is raised when sending message to contract shard failed and graph instance could not be re-rendered.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607623 - fsmFailFvSubnetBDDefContUpdateBDHolder

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607623][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvSubnetBDDefContUpdateBDHolder
```

### Explanation

This fault is raised when update bridge domain container fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607628 - fsmFailVzCollectionContBringCollectionIntInfoIntoCtrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607628][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCollectionContBringCollectionIntInfoIntoCtrct
```

### Explanation

This fault occurs when contract or bundle interface configuration fails to be delivered to contract or bundle

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607632 - fsmFailFabricNodeTaskHolderSubscribeToPM

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607632][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeTaskHolderSubscribeToPM
```

### Explanation

This fault is raised when sending Fabric Node subscription to the Policy Manager via Appliance Element fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F607660 - fsmFailFabricProtGEpVPcRegisterForNotification

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607660][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricProtGEpVPcRegisterForNotification
```

### Explanation

This fault is raised when register for node notification fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607661 - fsmFailTagRefUpdateAlias

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607661][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:TagRefUpdateAlias
```

### Explanation

This fault occurs when an alias instance update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607664 - fsmFailVnsCMgmtNatCreate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607664][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:scripthandler:VnsCMgmtNatCreate
```

### Explanation

This fault is raised when NAT entry creation for concrete device management interface failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607664 - fsmFailVnsCtrlrEpNatCreate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607664][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:scripthandler:VnsCtrlrEpNatCreate
```

### Explanation

This fault is raised when NAT entry creation for controller appliance failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607666 - fsmFailLeqptLooseNodeReportPathGrp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607666][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:LeqptLooseNodeReportPathGrp
```

### Explanation

This fault is raised when reporting fabric path group on an external connected node fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607667 - fsmFailCallhomeInvTaskSendInventory

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607667][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:CallhomeInvTaskSendInventory
```

### Explanation

This fault is raised when send callhome inventory fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607670 - fsmFailFabricAProtGEpSpineProxyCreate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607670][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FabricAProtGEpSpineProxyCreate
```

### Explanation

This fault is raised when notify spine proxy create fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607684 - fsmFailVzCtrctEPgContUpdateCtxDefWithAnyREpPctrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607684][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VzCtrctEPgContUpdateCtxDefWithAnyREpPctrct
```

### Explanation

This fault occurs when private network configuration fails to be updated with remote contract collection

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607689 - fsmFailVnsRsTermToAnySvcFltUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607689][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsRsTermToAnySvcFltUpd
```

### Explanation

This fault is raised when service graph related filter update for L3 network's Any fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607689 - fsmFailVnsRsTermToEPgSvcFltUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607689][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsRsTermToEPgSvcFltUpd
```

### Explanation

This fault is raised when security filters required to allow traffic from EPgs to L4-L7 service graph traffic could not be downloaded to leafs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607690 - fsmFailAaaIDomainRefReportDomainRefsToRbacEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607690][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmmgr:AaaIDomainRefReportDomainRefsToRbacEp
```

### Explanation

This fault is raised when the update of security domain configuration to PolicyMgr fails. This is an internal task used by the system.

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F607725 - fsmFailVnsSDEPpInfoEpPDUpdS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607725][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSDEPpInfoEpPDUpdS
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607726 - fsmFailVnsSDEPpInfoEPpInfoS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607726][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSDEPpInfoEPpInfoS
```

### Explanation

This fault is raised when L4-L7 service graph related information could not be configured on leafs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607727 - fsmFailVnsREPpInfoAllocateEncap

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607727][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsREPpInfoAllocateEncap
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607728 - fsmFailVnsLDevInstAllocateVDevId

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607728][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsLDevInstAllocateVDevId
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607729 - fsmFailVnsSLDevInstConsRemoveVGrp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607729][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSLDevInstConsRemoveVGrp
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607730 - fsmFailVnsSLDevInstRemoveVDev

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607730][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSLDevInstRemoveVDev
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607746 - fsmFailL3extRtLIfCtxToOutRoutePeering

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607746][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:L3extRtLIfCtxToOutRoutePeering
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607750 - fsmFailTopSystemUpdateGipoPool

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607750][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemUpdateGipoPool
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F607783 - fsmFailFabricVpcResourceReleaseVIP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607783][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FabricVpcResourceReleaseVIP
```

### Explanation

This fault is raised when virtual IP address assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607794 - fsmFailNwPathEpUpdateProtPathEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607794][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:NwPathEpUpdateProtPathEp
```

### Explanation

This fault is raised when notification of a network path endpoint update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607846 - fsmFailFabricShardTaskHolderSendToTM

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607846][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricShardTaskHolderSendToTM
```

### Explanation

This fault is raised when sending Fabric Node removal to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F607861 - fsmFailVmmRsAEPsSendPreProv

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607861][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VmmRsAEPsSendPreProv
```

### Explanation

This fault is raised when a configuration update to EPP failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607874 - fsmFailVnsSHEPpInfoEpPDUpdSH

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607874][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSHEPpInfoEpPDUpdSH
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607875 - fsmFailVnsSHSEpInfoEpPDUpdSHS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607875][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsSHSEpInfoEpPDUpdSHS
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607876 - fsmFailVnsEPgDefConsUpdateSHS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607876][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsEPgDefConsUpdateSHS
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607891 - fsmFailFvAEPgEpCPUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607891][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FvAEPgEpCPUpd
```

### Explanation

This fault is raised when update of critirion information under the container fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607897 - fsmFailHvsLNodeAddorDelBlackHolePortGroup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607897][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsLNodeAddorDelBlackHolePortGroup
```

### Explanation

This fault is raised when adding/deleting a Black Hole Porgroup for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607905 - fsmFailVnsSHEPpInfoValidateEncap

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607905][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSHEPpInfoValidateEncap
```

### Explanation

This fault is raised when system cannot validate vlan encap of this object.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F607974 - fsmFailTopSystemUpdateOobMgmtIp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F607974][fsm-failed][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemUpdateOobMgmtIp
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F671746 - fsmFailResConsumerRegister

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671746][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ResConsumerRegister
```

### Explanation

This fault occurs when resource consumer registration (used for ID / resource tracking) fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671747 - fsmFailResConsumerUnregister

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671747][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ResConsumerUnregister
```

### Explanation

This fault occurs when resource consumer unregistration (used for ID / resource tracking) fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671748 - fsmFailTagInstConfDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671748][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:TagInstConfDef
```

### Explanation

This fault occurs when a tag reference configuration fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671750 - fsmFailTagAliasDelInstDelAliasDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671750][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:TagAliasDelInstDelAliasDef
```

### Explanation

This fault occurs when alias reference fails to be deleted

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671751 - fsmFailPconsResolverResolve

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671751][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:PconsResolverResolve
```

### Explanation

This fault is raised when the node (leaf/spine) fails to send the message to controller to resolve all its policies.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671756 - fsmFailIdentSourceRelease

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671756][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:IdentSourceRelease
```

### Explanation

This fault occurs when an internal identifier fails to be released.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671768 - fsmFailDbgexpNodeStatusReportIFCStatus

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671768][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgr:DbgexpNodeStatusReportIFCStatus
```

### Explanation

This fault is raised when reporting export status from dbgr to correct shard fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671769 - fsmFailDbgexpNodeStatusRemoveFile

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671769][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgr:DbgexpNodeStatusRemoveFile
```

### Explanation

This fault is raised when sending export file name to correct APIC to remote it, fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671770 - fsmFailSvccoreACoreSendCoreInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671770][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgr:SvccoreACoreSendCoreInfo
```

### Explanation

This fault is raised when task to send core MO info to correct shard fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671770 - fsmFailSvccoreNodeSendCoreInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671770][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgrelem:SvccoreNodeSendCoreInfo
```

### Explanation

This fault is raised when task to report core info from node to APIC fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671772 - fsmFailAaaUserResetAdminPasswd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671772][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:extXMLApi:AaaUserResetAdminPasswd
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F671778 - fsmFailFirmwareSourcePopulateRepo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671778][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:bootmgr:FirmwareSourcePopulateRepo
```

### Explanation

This fault occurs upon failure to update information about a downloaded image

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671779 - fsmFailFirmwareDownloadPopulateDownload

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671779][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:bootmgr:FirmwareDownloadPopulateDownload
```

### Explanation

This fault occurs upon failure to update information about download

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671781 - fsmFailDbgexpNodeStatusReportNodeStatus

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671781][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:dbgrelem:DbgexpNodeStatusReportNodeStatus
```

### Explanation

This fault is raised when task to report export status from node to APIC fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671798 - fsmFailCompCtrlrAdd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671798][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompCtrlrAdd
```

### Explanation

This fault is raised when FSM for Controller Add operation fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check if there are repeated failures of any FSM stage
  - Step 2** Perform the suggested actions to correct stage failures
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F671803 - fsmFailCompCtrlrRemove

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671803][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrRemove
```

### Explanation

This fault is raised when FSM for Controller Remove operation fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check if there are any FSM stage failures
  - Step 2** Perform the suggested Actions to correct stage failures
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F671810 - fsmFailTopSystemSendTopSystem

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671810][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemSendTopSystem
```

### Explanation

This fault is raised when sending top System changes to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F671813 - fsmFailFirmwareCtrlrFwStatusContSendCtrlrRunning

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671813][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:FirmwareCtrlrFwStatusContSendCtrlrRunning
```

### Explanation

This fault is raised when sending controller firmwareCtrlrRunning object to firmwareFwStatusCont fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F671814 - fsmFailMaintNodeInMaintSendCtrlrUpgradeReq

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671814][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:MaintNodeInMaintSendCtrlrUpgradeReq
```

### Explanation

This fault is raised when Appliance Element fails to send upgrade request to scheduler

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F671815 - fsmFailFirmwareFirmwareLoadCatalog

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671815][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:FirmwareFirmwareLoadCatalog
```

### Explanation

This fault occurs when loading compatibility catalog for the firmware fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671883 - fsmFailCompEpPDAddorDelExtPol

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671883][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompEpPDAddorDelExtPol
```

### Explanation

This fault is raised when adding/deleting Portgroups for a VMM Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671884 - fsmFailCompVNicPDefVNicUpdate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671884][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompVNicPDefVNicUpdate
```

### Explanation

This fault is raised when updating a vNIC profile definition fails. This typically happens if the Physical-NICs of the Hosts are not placed in DVS(vDS) managed by APIC.

### Recommended Action

Please ensure Physical-NICs of host is placed in the DVS(vDS) managed by APIC. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671885 - fsmFailHvsExtPolUpdate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671885][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsExtPolUpdate
```

### Explanation

This fault is raised when sending the external policy information from vShield controller to vCenter controller fails.

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671886 - fsmFailLacpLagPolDefUpdateLacp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671886][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:LacpLagPolDefUpdateLacp
```

### Explanation

This fault is raised when updating the LACP Lag Policy at the DVS fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671887 - fsmFailCompPolContUpdateCtrlrPol

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671887][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompPolContUpdateCtrlrPol
```

### Explanation

This fault is raised when updating the Controller policy container at the DVS fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671888 - fsmFailCompStatsPolUpdateStatsPol

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671888][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompStatsPolUpdateStatsPol
```

### Explanation

This fault is raised when updating the statistics monitoring policy for the Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671889 - fsmFailFvnsVxlanInstDefAddorDelFvnsInst

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671889][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:FvnsVxlanInstDefAddorDelFvnsInst
```

### Explanation

This fault is raised when adding/deleting a VXLAN Pool definition for the Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671890 - fsmFailFvnsMcastAddrInstDefAddorDel

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671890][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:FvnsMcastAddrInstDefAddorDel
```

### Explanation

This fault is raised when adding/deleting a Multicast Address Pool definition for the VMM Controller fails.

### Recommended Action

This task is internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671895 - fsmFailHvsLNodeAddorDelUplinkPortGroup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671895][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsLNodeAddorDelUplinkPortGroup
```

### Explanation

This fault is raised when adding/deleting an uplink Porgroup for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671896 - fsmFailHvsLNodeAddorDelVtepPortGroup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671896][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsLNodeAddorDelVtepPortGroup
```

### Explanation

This fault is raised when adding/deleting a VTEP Porgroup for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671897 - fsmFailCompHpNicAddorDelVtepNic

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671897][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompHpNicAddorDelVtepNic
```

### Explanation

This fault is raised when adding/deleting a VTEP NIC fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671901 - fsmFailNwPathEpUpdatePathEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671901][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:NwPathEpUpdatePathEp
```

### Explanation

This fault is raised when notification of a network path endpoint update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671903 - fsmFailCompHpNicUpdateHostVendorConfig

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671903][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:CompHpNicUpdateHostVendorConfig
```

### Explanation

This fault is raised when updating host vendor configuration fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671905 - fsmFailHvsExtPolSetExtPolInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671905][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsExtPolSetExtPolInfo
```

### Explanation

This fault is raised when setting external policy information for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671907 - fsmFailCompEpPConnResolveEPgAdj

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671907][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompEpPConnResolveEPgAdj
```

### Explanation

This fault is raised when Endpoint Attach/Detach update to Policy Manager fails. This is an internal task.

### Recommended Action

This task is retried automatically. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671915 - fsmFailCompCtrlrFindCluster

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671915][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrFindCluster
```

### Explanation

This fault is raised when Cluster update to VMM Controller fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate that one or more of the physical NIC of all the hosts of the cluster are attached to the DVS
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F671922 - fsmFailCompCtrlrHandleObjUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671922][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrHandleObjUpd
```

### Explanation

This fault is raised when sending cluster add message to VMM Controller fails.

### Recommended Action

This task is internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671925 - fsmFailCompCtrlrPrepareLNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671925][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompCtrlrPrepareLNode
```

### Explanation

This fault is raised when DVS preparation operation for vShield Controller fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate that vShield is associated with vCenter and it is reachable from vShield
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F671927 - fsmFailCompHvGetHpNicAdj

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671927][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompHvGetHpNicAdj
```

### Explanation

This fault is raised when LLDP/CDP Adjacency information is not found for the physical adapters on the host.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate LLDP configuration on DVS, vCenter and Physical Switch connected to the Host.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC.

## F671928 - fsmFailCompMgmtNicGetMgmtNicIp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671928][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompMgmtNicGetMgmtNicIp
```

### Explanation

This fault is raised when the IP address for the interface on the host cannot be found.

### Recommended Action

This task is automatically retried. If you see repeated failures, take the following actions:

- 
- Step 1** Check network connectivity for the host.
  - Step 2** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC. This failure is automatically retried.

## F671931 - fsmFailCompRsCtrlrGetAssocCtrlrInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671931][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:CompRsCtrlrGetAssocCtrlrInfo
```

### Explanation

This fault is raised when an error is encountered when obtaining vCenter hyperlink reference from vCloud Director.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Validate that vCenter is associated with the vCloud Director. If not re-attach the vCenter
  - Step 2** Validate that vCenter hyperlink reference can be obtained using vCloud RestAPI
  - Step 3** If the above actions did not resolve the issue, collect **tech-support** file and contact Cisco TAC. This failure is automatically retried.

## F671966 - fsmFailMaintNodeInMaintCanIUpgrade

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671966][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:MaintNodeInMaintCanIUpgrade
```

### Explanation

This fault is raised when CanIUpgrade handshake fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F671967 - fsmFailMaintNodeInMaintUpdateDesiredVer****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671967][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:MaintNodeInMaintUpdateDesiredVer
```

**Explanation**

This fault is raised when update desired software version fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F671970 - fsmFailLldpIfLldpDiscovery****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671970][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:LldpIfLldpDiscovery
```

**Explanation**

This fault is raised when update Adrelay on LLDP discovery fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F671971 - fsmFailFvVDEpWaitForEpP****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671971][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:FvVDEpWaitForEpP
```

**Explanation**

This fault is raised when wait for endpoing profile download fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F671972 - fsmFailHvsRtNicAdjReportLooseNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671972][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmngr:HvsRtNicAdjReportLooseNode
```

### Explanation

This fault is raised when LooseNode Report Update to TopoManager fails.

### Recommended Action

This failure is automatically retried. If you see repeated failures, Collect **tech-support** file and contact Cisco TAC.

## F671972 - fsmFailLeqptLooseNodeReportLooseNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F671972][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:LeqptLooseNodeReportLooseNode
```

### Explanation

This fault is raised when notification about a LooseNode (unmanaged node) discovery or update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672019 - fsmFailSysdebugTechSupportInitiate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672019][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugTechSupportInitiate
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672020 - fsmFailSysdebugTechSupportDeleteTechSupFile

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672020][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugTechSupportDeleteTechSupFile
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672022 - fsmFailSysdebugCoreDownload

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672022][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugCoreDownload
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672022 - fsmFailSysdebugTechSupportDownload

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672022][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugTechSupportDownload
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672023 - fsmFailSysdebugLogControlEpLogControlPersist

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672023][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SysdebugLogControlEpLogControlPersist
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672101 - fsmFailFabricRsDecommissionNodeRemoveSwitch

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672101][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricRsDecommissionNodeRemoveSwitch
```

### Explanation

This fault is raised when send decommission message to switch fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672102 - fsmFailFabricRsDecommissionNodeTopoCleanup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672102][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricRsDecommissionNodeTopoCleanup
```

### Explanation

This fault is raised when remove node request fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672103 - fsmFailFabricDecommissionJobPmCleanup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672103][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricDecommissionJobPmCleanup
```

### Explanation

This fault is raised when send policy cleanup request fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672133 - fsmFailDhcpDiscNodeReport

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672133][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:DhcpDiscNodeReport
```

### Explanation

This fault is raised when notification about a DHCP discovered node fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672151 - fsmFailVzFilterConfRFltP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672151][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzFilterConfRFltP
```

### Explanation

This fault occurs when filter profile fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672152 - fsmFailVzFltTaskAggrConfRFltPAggr

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672152][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzFltTaskAggrConfRFltPAggr
```

### Explanation

This fault occurs when filter profile fails to be configured for aggregated filters

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672153 - fsmFailVzCtrctEPgContCtrctToEpPUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672153][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCtrctEPgContCtrctToEpPUpd
```

### Explanation

This fault occurs when endpoint profile remote EPG contract fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672176 - fsmFailFvCollectionContBringInfoIntoCollectionShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672176][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvCollectionContBringInfoIntoCollectionShard
```

### Explanation

This fault occurs when EPG configuration fails to be delivered to contract collection

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672176 - fsmFailVzCollectionContBringInfoIntoCollectionShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672176][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCollectionContBringInfoIntoCollectionShard
```

### Explanation

This fault occurs when EPG collection for context configuration fails to be delivered to contract collection

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672179 - fsmFailVzTabooCreateAnyTaboo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672179][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzTabooCreateAnyTaboo
```

### Explanation

This fault occurs when a taboo entry fails to be delivered to a remote EPG

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672180 - fsmFailVzBrCPVzForceConfig

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672180][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzBrCPVzForceConfig
```

### Explanation

This fault occurs when a dependent L4-L7 service graph template fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672191 - fsmFailDhcpRsProvUpdDhcpProvAddress

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672191][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DhcpRsProvUpdDhcpProvAddress
```

### Explanation

This fault is raised when update DHCP provider address fails

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672200 - fsmFailInfraNodeCfgManageVpcId

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672200][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:InfraNodeCfgManageVpcId
```

### Explanation

This fault is raised when virtual port channel ID assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672202 - fsmFailFabricAProtGEpManageVIP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672202][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricAProtGEpManageVIP
```

### Explanation

This fault is raised when virtual IP address assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672203 - fsmFailFabricNodePEpManageProtectionChainIP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672203][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricNodePEpManageProtectionChainIP
```

### Explanation

This fault is raised when protection chain IP address assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672204 - fsmFailDbgexpExportPSendNodeList

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672204][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgexpExportPSendNodeList
```

### Explanation

This fault is raised when send controller and node list fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672205 - fsmFailDbgexpTechSupPDeleteTechSupIfcTrackers

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672205][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgexpTechSupPDeleteTechSupIfcTrackers
```

### Explanation

This fault is raised when delete controller tracker list for techsupport collection fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672206 - fsmFailDbgexpTechSupOnDDeleteOnDIfcTrackers

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672206][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgexpTechSupOnDDeleteOnDIfcTrackers
```

### Explanation

This fault is raised when delete controller tracker list for on-demand collection fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672207 - fsmFailFvVDEpEpAttachorDetach

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672207][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:FvVDEpEpAttachorDetach
```

### Explanation

This fault is raised when notification of an endpoint attach or detach fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672210 - fsmFailTagRefDelInst

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672210][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:TagRefDelInst
```

### Explanation

This fault is raised when delete tag reference target fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672261 - fsmFailVpclfUpdateVpcProtLink

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672261][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:VpcIfUpdateVpcProtLink
```

### Explanation

This fault is raised when notification of virtual port channel interface info fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672291 - fsmFailFvEPgEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672291][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FvEPgEpP
```

### Explanation

This fault is raised when configuration of endpoint profile definition (EpP) fails

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672293 - fsmFailFvEPgUpdMgmtDeplCont

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672293][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FvEPgUpdMgmtDeplCont
```

### Explanation

This fault is raised when attempt to update inband management epg with device cluster interface fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672294 - fsmFailFvRtProvProvDhcpUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672294][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvRtProvProvDhcpUpd
```

### Explanation

This fault is raised when update DHCP provider with relation to current bridge domain fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672297 - fsmFailFvAepDefEndPointUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672297][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvAepDefEndPointUpd
```

### Explanation

This fault is raised when notify endpoint update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672300 - fsmFailCompRsCtrlrPEpPDUUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672300][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:CompRsCtrlrPEpPDUUpd
```

### Explanation

This fault is raised when an EpG update to the VMM Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672300 - fsmFailFvRsDomAttEpPDUUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672300][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FvRsDomAttEpPDUUpd
```

### Explanation

This fault is raised when configuration of endpoint profile definition (EpPD) to the domain fails

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672300 - fsmFailVnsEPpInfoEpPDUUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672300][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsEPpInfoEpPDUUpd
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672301 - fsmFailVmmCtrlrPConfig

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672301][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VmmCtrlrPConfig
```

### Explanation

This fault is raised when a configuration update to the VMM Controller fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672302 - fsmFailInfraEpPDSendDomDefToEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672302][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:InfraEpPDSendDomDefToEpP
```

### Explanation

This fault is raised when a configuration update to EPP failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672369 - fsmFailMgmtInBZoneBringNodeInfoToInBMgmtEppShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672369][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtInBZoneBringNodeInfoToInBMgmtEppShard
```

### Explanation

This fault is raised when send node information from infra to management EPG fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672370 - fsmFailMgmtOoBZoneBringNodeInfoToOoBMgmtEppShard

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672370][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtOoBZoneBringNodeInfoToOoBMgmtEppShard
```

### Explanation

This fault is raised when send node information from infra to out-of-band management EPG fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672371 - fsmFailMgmtOoBOobEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672371][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtOoBOobEpP
```

### Explanation

This fault is raised when send out-of-band endpoint profile update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672372 - fsmFailMgmtCollectionContBringProvInfoIntoCtrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672372][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtCollectionContBringProvInfoIntoCtrct
```

### Explanation

This fault is raised when send out-of-band provider information to contract fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672373 - fsmFailMgmtCollectionContBringConsInfoIntoCtrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672373][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtCollectionContBringConsInfoIntoCtrct
```

### Explanation

This fault is raised when send EPG consumer information to contract fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672376 - fsmFailPresResolverResolverRepl

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672376][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:PresResolverResolverRepl
```

### Explanation

This fault is raised when handle replication for resolver fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672378 - fsmFailSpanSrcReportSpanSrcDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672378][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SpanSrcReportSpanSrcDef
```

### Explanation

This fault is raised when notification about a Span source fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672379 - fsmFailSpanTaskParamUpdateSpanSrcGrpDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672379][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SpanTaskParamUpdateSpanSrcGrpDef
```

### Explanation

This fault is raised when notification about a Span source group fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672380 - fsmFailFvRtDestEpgSpanEpg

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672380][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvRtDestEpgSpanEpg
```

### Explanation

This fault is raised when notification about a Span source group fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672381 - fsmFailDbgacEpgSummaryReportODACDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672381][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgacEpgSummaryReportODACDef
```

### Explanation

This fault is raised when notification about a on-demand atomic counter policy fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672407 - fsmFailTopSystemUpdateTopSystem

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672407][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemUpdateTopSystem
```

### Explanation

This fault is raised when system change notification to Topology Manager fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672408 - fsmFailTopSystemUpdateFabricNode

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672408][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemUpdateFabricNode
```

### Explanation

This fault is raised when sending system information to Topology Manager fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672410 - fsmFailFabricNodeIdentPSend

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672410][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeIdentPSend
```

### Explanation

This fault is raised when sending Fabric Node Member information to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F672410 - fsmFailFabricNodeInfoSend

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672410][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeInfoSend
```

### Explanation

This fault is raised when sending Fabric NodeInfo data to Appliance Element fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F672410 - fsmFailFabricNodeSend

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672410][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeSend
```

### Explanation

This fault is raised when sending root Fabric Node changes to Appliance Element fails

**Recommended Action**

Collect **tech-support** file and contact Cisco TAC.

**F672411 - fsmFailDbgRemotePortUpdateRemotePortToDbgrelem****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672411][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:DbgRemotePortUpdateRemotePortToDbgrelem
```

**Explanation**

This fault is raised when update remote port info to debugger-element fails

**Recommended Action**

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

**F672433 - fsmFailTestinfralabFreebiesReportFreebies****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672433][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:TestinfralabFreebiesReportFreebies
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

**F672435 - fsmFailSyntheticContextTest****Syslog Message**

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672435][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextTest
```

**Explanation**

None set.

**Recommended Action**

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672436 - fsmFailSyntheticContextLocalTest

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672436][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextLocalTest
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672437 - fsmFailSyntheticContextTest2

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672437][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextTest2
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672438 - fsmFailSyntheticContextTest3

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672438][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:SyntheticContextTest3
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F672446 - fsmFailInfraRsFuncToEpgReportPortsToEpp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672446][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:InfraRsFuncToEpgReportPortsToEpp
```

### Explanation

This fault is raised when deploy of EPG on ports associated with Attached Entity Profile fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672447 - fsmFailInfraRsDomPSendAttEntityPToVmmDomP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672447][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:InfraRsDomPSendAttEntityPToVmmDomP
```

### Explanation

This fault is raised when sending policies associated with attached entity profile to domain fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672577 - fsmFailFvAEPgLegacyEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672577][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FvAEPgLegacyEpP
```

### Explanation

This fault is raised when updating endpoint profile failed for legacy mode.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672577 - fsmFailVnsEPgDefLegacyEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672577][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsEPgDefLegacyEpP
```

### Explanation

This fault is raised if endpoint profile update for service graph internal EPG fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672581 - fsmFailVnsEPpInfoEPpInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672581][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsEPpInfoEPpInfo
```

### Explanation

This fault is raised when L4-L7 service graph related information could not be deleted from leafs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672584 - fsmFailVnsLDevInstVDevUpdGraphInst

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672584][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsLDevInstVDevUpdGraphInst
```

### Explanation

This fault is raised when updating virtual device configuration to script handler failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672586 - fsmFailVzACollectionProcessContract

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672586][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzACollectionProcessContract
```

### Explanation

This fault is raised when rendering associated service graphs failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F672986 - fsmFailTopSystemControllerChassis

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672986][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemControllerChassis
```

### Explanation

This fault is raised when sending top System changes for Chassis to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F672987 - fsmFailTopSystemSwitchChassis

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F672987][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemSwitchChassis
```

### Explanation

This fault is raised when chassis change notification to Topology Manager fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673015 - fsmFailPconsResolverResolveAllPolicies

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673015][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:PconsResolverResolveAllPolicies
```

### Explanation

This fault occurs when forced policy resolution fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673016 - fsmFailCallhomeInvPUpdateCallhomeInvP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673016][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:eventmgr:CallhomeInvPUpdateCallhomeInvP
```

### Explanation

This fault is raised when task to update execution status of callhome inventory policy fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673017 - fsmFailVnsRsLDevInstVDevUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673017][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsRsLDevInstVDevUpd
```

### Explanation

This fault is raised when updating device configuration on script handler failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673029 - fsmFailMgmtInstPEpP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673029][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:MgmtInstPEpP
```

### Explanation

This fault is raised when send endpoint profile update for management EPG fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673032 - fsmFailFabricShardTaskHolderUnsubscribeFromPM

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673032][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricShardTaskHolderUnsubscribeFromPM
```

### Explanation

This fault is raised when sending Fabric Node subscription removal to Policy Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F673050 - fsmFailDbgacTenantSpaceCmnAcSendDbgProfile

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673050][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:DbgacTenantSpaceCmnAcSendDbgProfile
```

### Explanation

This fault is raised when notification for a on-demand atomic counter policy fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673070 - fsmFailVzProvDefClassIdFromSharedPool

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673070][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzProvDefClassIdFromSharedPool
```

### Explanation

This fault occurs when EPG policy enforcement tag fails to be reallocated from shared service pool

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673099 - fsmFailVnsScriptRTInfoUpdateScriptRTInfo

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673099][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:scripthandler:VnsScriptRTInfoUpdateScriptRTInfo
```

### Explanation

This fault is raised when updating runtime info under service script failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673100 - fsmFailTopSystemUpdateRunningVer

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673100][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:TopSystemUpdateRunningVer
```

### Explanation

This fault is raised when running software version fails to be updated

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673107 - fsmFailAaaADomainRefPushDomainRefsToRbacEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673107][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:AaaADomainRefPushDomainRefsToRbacEp
```

### Explanation

This fault is raised when configuration distribution of RbacRules fails

### Recommended Action

This is an internal system task. This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673110 - fsmFailPconsResolverContCheckBootStrap

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673110][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:PconsResolverContCheckBootStrap
```

### Explanation

This fault is raised when ports cannot be brought in service after incomplete policy registration

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673111 - fsmFailPconsResolveCompleteRefPolicyDeploymentDone

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673111][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:PconsResolveCompleteRefPolicyDeploymentDone
```

### Explanation

This fault is raised when the message to notify leaf/spine about policy deployment completion fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673124 - fsmFailFirmwareFirmwareAutoloadCatalog

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673124][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:bootmgr:FirmwareFirmwareAutoloadCatalog
```

### Explanation

This fault occurs when loading firmware compatibility catalog fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673125 - fsmFailPconsResolverContCheckBootStrapWorstCaseTask

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673125][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:PconsResolverContCheckBootStrapWorstCaseTask
```

### Explanation

This fault is raised when bringing ports in service after bootstrap completion fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673126 - fsmFailFvSubnetBDDefContUpdateBDDefWithRouteDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673126][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvSubnetBDDefContUpdateBDDefWithRouteDef
```

### Explanation

This fault is raised when update bridge domain with static route fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673127 - fsmFailFvTabooCtxDefContUpdateCtxDefWithTabooDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673127][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvTabooCtxDefContUpdateCtxDefWithTabooDef
```

### Explanation

This fault is raised when update private network with taboo configuration fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673128 - fsmFailFvCtrctCtxDefContUpdateCtxDefWithEPgDef

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673128][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvCtrctCtxDefContUpdateCtxDefWithEPgDef
```

### Explanation

This fault is raised when update private network with EPG summary information fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673139 - fsmFailDhcpClientUpdateFv

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673139][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:dhcpd:DhcpClientUpdateFv
```

### Explanation

This fault occurs when updating the fabric node vector fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673146 - fsmFailFvInBEpPInBUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673146][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:FvInBEpPInBUpd
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673156 - fsmFailVnsLDevCtxReRenderGraph

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673156][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsLDevCtxReRenderGraph
```

### Explanation

This fault is raised when sending message to contract shard failed and graph instance could not be re-rendered.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673159 - fsmFailFvSubnetBDDefContUpdateBDHolder

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673159][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvSubnetBDDefContUpdateBDHolder
```

### Explanation

This fault is raised when update bridge domain container fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673164 - fsmFailVzCollectionContBringCollectionIntInfoIntoCtrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673164][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCollectionContBringCollectionIntInfoIntoCtrct
```

### Explanation

This fault occurs when contract or bundle interface configuration fails to be delivered to contract or bundle

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673168 - fsmFailFabricNodeTaskHolderSubscribeToPM

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673168][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricNodeTaskHolderSubscribeToPM
```

### Explanation

This fault is raised when sending Fabric Node subscription to the Policy Manager via Appliance Element fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F673196 - fsmFailFabricProtGEpVPcRegisterForNotification

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673196][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricProtGEpVPcRegisterForNotification
```

### Explanation

This fault is raised when register for node notification fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673197 - fsmFailTagRefUpdateAlias

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673197][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:TagRefUpdateAlias
```

### Explanation

This fault occurs when an alias instance update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673200 - fsmFailVnsCMgmtNatCreate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673200][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:scripthandler:VnsCMgmtNatCreate
```

### Explanation

This fault is raised when NAT entry creation for concrete device management interface failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673200 - fsmFailVnsCtrlrEpNatCreate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673200][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:scripthandler:VnsCtrlrEpNatCreate
```

### Explanation

This fault is raised when NAT entry creation for controller appliance failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673202 - fsmFailLeqptLooseNodeReportPathGrp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673202][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:LeqptLooseNodeReportPathGrp
```

### Explanation

This fault is raised when reporting fabric path group on an external connected node fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673203 - fsmFailCallhomeInvTaskSendInventory

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673203][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:CallhomeInvTaskSendInventory
```

### Explanation

This fault is raised when send callhome inventory fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673206 - fsmFailFabricAProtGEpSpineProxyCreate

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673206][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:FabricAProtGEpSpineProxyCreate
```

### Explanation

This fault is raised when notify spine proxy create fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673220 - fsmFailVzCtrctEPgContUpdateCtxDefWithAnyREpPctrct

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673220][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VzCtrctEPgContUpdateCtxDefWithAnyREpPctrct
```

### Explanation

This fault occurs when private network configuration fails to be updated with remote contract collection

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673225 - fsmFailVnsRsTermToAnySvcFltUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673225][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsRsTermToAnySvcFltUpd
```

### Explanation

This fault is raised when service graph related filter update for L3 network's Any fails.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673225 - fsmFailVnsRsTermToEPgSvcFltUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673225][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsRsTermToEPgSvcFltUpd
```

### Explanation

This fault is raised when security filters required to allow traffic from EPgs to L4-L7 service graph traffic could not be downloaded to leafs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673226 - fsmFailAaaIDomainRefReportDomainRefsToRbacEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673226][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmgr:AaaIDomainRefReportDomainRefsToRbacEp
```

### Explanation

This fault is raised when the update of security domain configuration to PolicyMgr fails. This is an internal task used by the system.

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F673261 - fsmFailVnsSDEPpInfoEpPDUpdS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673261][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsSDEPpInfoEpPDUpdS
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673262 - fsmFailVnsSDEPpInfoEPpInfoS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673262][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policymgr:VnsSDEPpInfoEPpInfoS
```

### Explanation

This fault is raised when L4-L7 service graph related information could not be configured on leafs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673263 - fsmFailVnsREPPInfoAllocateEncap

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673263][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsREPPInfoAllocateEncap
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673264 - fsmFailVnsLDevInstAllocateVDevId

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673264][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsLDevInstAllocateVDevId
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673265 - fsmFailVnsSLDevInstConsRemoveVGrp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673265][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSLDevInstConsRemoveVGrp
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673266 - fsmFailVnsSLDevInstRemoveVDev

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673266][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSLDevInstRemoveVDev
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673282 - fsmFailL3extRtLIfCtxToOutRoutePeering

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673282][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:L3extRtLIfCtxToOutRoutePeering
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673286 - fsmFailTopSystemUpdateGipoPool

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673286][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemUpdateGipoPool
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

## F673319 - fsmFailFabricVpcResourceReleaseVIP

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673319][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FabricVpcResourceReleaseVIP
```

### Explanation

This fault is raised when virtual IP address assignment fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673330 - fsmFailNwPathEpUpdateProtPathEp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673330][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:policyelem:NwPathEpUpdateProtPathEp
```

### Explanation

This fault is raised when notification of a network path endpoint update fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673382 - fsmFailFabricShardTaskHolderSendToTM

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673382][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:topomgr:FabricShardTaskHolderSendToTM
```

### Explanation

This fault is raised when sending Fabric Node removal to Topology Manager fails

### Recommended Action

Collect **tech-support** file and contact Cisco TAC.

## F673397 - fsmFailVmmRsAEPsSendPreProv

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673397][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VmmRsAEPsSendPreProv
```

### Explanation

This fault is raised when a configuration update to EPP failed.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673410 - fsmFailVnsSHEPpInfoEpPDUpdSH

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673410][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSHEPpInfoEpPDUpdSH
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673411 - fsmFailVnsSHSEPpInfoEpPDUpdSHS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673411][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSHSEPpInfoEpPDUpdSHS
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673412 - fsmFailVnsEPgDefConsUpdateSHS

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673412][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsEPgDefConsUpdateSHS
```

### Explanation

This fault is raised when L4-L7 service graph could not create port groups on VCenter required for directing service graph traffic to service VMs.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673427 - fsmFailFvAEPgEpCPUpd

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673427][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:FvAEPgEpCPUpd
```

### Explanation

This fault is raised when update of critirion information under the container fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673433 - fsmFailHvsLNodeAddorDelBlackHolePortGroup

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673433][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:vmmmgr:HvsLNodeAddorDelBlackHolePortGroup
```

### Explanation

This fault is raised when adding/deleting a Black Hole Porgroup for the Controller fails

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673441 - fsmFailVnsSHEPpInfoValidateEncap

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673441][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:polycmgr:VnsSHEPpInfoValidateEncap
```

### Explanation

This fault is raised when system cannot validate vlan encap of this object.

### Recommended Action

This task is automatically retried. If you see repeated failures, collect **tech-support** file and contact Cisco TAC.

## F673510 - fsmFailTopSystemUpdateOobMgmtIp

### Syslog Message

```
%LOG_LOCAL0-1-SYSTEM_MSG [F673510][crash-suspect][critical][DN of affected MO]
[FSM:FAILED]: ifc:ae:TopSystemUpdateOobMgmtIp
```

### Explanation

None set.

### Recommended Action

Copy the message exactly as it appears on the console or in the system log. Research and attempt to resolve the issue using the tools and utilities provided at <http://www.cisco.com/tac>. Also refer to the *Cisco ACI Release Notes* and the *Cisco ACI Troubleshooting Guide*. If you cannot resolve the issue, export an **On-demand TechSupport** data file and contact Cisco Technical Support.

