



## CHAPTER 2

# Cisco UCS Faults

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This chapter provides information about the faults that may be raised in a Cisco UCS instance.

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## Adapter-Related Faults

This section contains faults raised as a result of issues with the adapters in a server.

### fltAdaptorExtEthIfMisConnect

**Fault Code:**F0625

**Message**

Adapter [id] eth interface [id] in server [id] mis-connected

**Explanation**

The network facing adaptor interface's link is misconnected. The Cisco UCS Manager raises this fault when any of the following scenario occur:

- UCSM detects a new connectivity between previously configured switch port/fex port and reported adaptor external interface.
- UCSM detects a misconnected link between a fabric interconnect/fex and its non-peer adaptor's interface.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check whether the adaptor link is connected to a port belonging to its peer fabric interconnect/fabric extender.
- Step 3** If connectivity seems correct, reacknowledge the server.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

**Fault Details**

**Severity:** warning  
**Cause:** link-misconnected  
**mibFaultCode:** 625  
**mibFaultName:** fltAdaptorExtEthIfMisConnect  
**moClass:** adaptor:ExtEthIf  
**Type:** network

### fltAdaptorExtEthIfMissing

**Fault Code:**F0775

**Message**

Connection to Adapter [id] eth interface [id] in server [id] missing

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### Explanation

The network facing adaptor interface's link is missing. The Cisco UCS Manager raises this fault when any of the following scenario occur:

- UCSM detects a missing connectivity between previously configured switch port/fex port and its previous peer adaptor external interface.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check whether there is any adaptor link misconnected to non-peer fabric interconnect/fabric extender
- Step 3** If connectivity seems correct, reacknowledge the server
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: link-missing
mibFaultCode: 775
mibFaultName: fltAdaptorExtEthIfMissing
moClass: adaptor:ExtEthIf
Type: network
```

## fltAdaptorExtIfLink-down

### Fault Code:F0209

### Message

Adapter uplink interface [id]/[id]/[id] link state: [linkState] Adapter uplink interface [chassisId]/[slotId]/[id]/[id] link state: [linkState]

### Explanation

The network facing adaptor interface's link is down. The Cisco UCS Manager raises this fault when any of the following scenarios occur:

- The UCSM can not establish and/or validate adaptor's connectivity to any one of the fabric interconnects.
- Endpoint reports the link down (or vNIC down) event on the adaptor link
- Endpoint reports the errored link state (or errored vnic state) event on the adaptor link

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.

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- Step 2** Check whether the adaptor is connected and configured properly and it is running the recommended firmware version.
- Step 3** If the server is stuck at discovery, decommission the server and reacknowledge the server slot.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: major
Cause: link-down
mibFaultCode: 209
mibFaultName: fltAdaptorExtIfLinkDown
moClass: adaptor:ExtIf
Type: network
```

## **fltAdaptorHostEthIfMisConnect**

**Fault Code:**F0626

### **Message**

Adapter [id] eth interface [id] in server [id] mis-connected

### **Explanation**

network facing host interface link is misconnectedCisco UCS Manager raises this fault when any of the following scenario occur:

- UCSM detects a new connectivity between previously configured switch port and reported host ethernet interface.
- UCSM detects a misconnected link between host interface & its non-peer fabric interconnect.

### **Recommended Action**

If you see this fault, take the following actions:

- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check whether the adaptor link is connected to a port belonging to its peer fabric interconnect.
- Step 3** If connectivity seems correct, reacknowledge the server.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: warning
Cause: link-misconnected
mibFaultCode: 626
mibFaultName: fltAdaptorHostEthIfMisConnect
moClass: adaptor:HostEthIf
Type: network
```

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## fltAdaptorHostEthIfMissing

**Fault Code:**F0708

### Message

Connection to Adapter [id] eth interface [id] in server [id] missing

### Explanation

network facing host interface link is missingCisco UCS Manager raises this fault when any of the following scenario occur:

- UCSM detects a missing connectivity between previously configured switch port and its previous peer host interface

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check whether there is any adaptor link misconnected to non-peer fabric interconnect
- Step 3** If connectivity seems correct, reactnowledge the server
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: link-missing
mibFaultCode: 708
mibFaultName: fltAdaptorHostEthIfMissing
moClass: adaptor:HostEthIf
Type: network
```

## fltAdaptorHostIfLink-down

**Fault Code:**F0207

### Message

Adapter [transport] host interface [id]/[id]/[id] link state: [linkState]Adapter [transport] host interface [chassisId]/[slotId]/[id]/[id] link state: [linkState]

### Explanation

This fault typically occurs as a result of one of the following issues:

- The fabric interconnect is in the End-Host mode, and all uplink ports failed.
- The server port to which the adapter is pinned failed.
- A transient error that caused the link to fail.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** If an associated port is disabled, enable the port.
- Step 3** Reacknowledge the server with the adapter that has the failed link.
- Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: link-down
mibFaultCode: 207
mibFaultName: fltAdaptorHostIfLinkDown
moClass: adaptor:HostIf
Type: network
```

## fltAdaptorUnitAdaptorReachability

**Fault Code:**F0206

### Message

Adapter [id]/[id] is unreachableAdapter [chassisId]/[slotId]/[id] is unreachable

### Explanation

The Cisco UCS Manager cannot access the adapter.This fault typically occurs as a result of one of the following issues:

- The server does not have sufficient power.
- The I/O module is not functional.
- The adapter firmware has failed.
- The adapter is not functional.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the POST results for the server.In the Cisco UCS Manager GUI, you can access the POST results on the General tab for the server. In the Cisco UCS Manager CLI, access the POST results through the **show post** command under the scope for the server.
- Step 3** In the Cisco UCS Manager, check the power state of the server.
- Step 4** Verify that the physical server has the same power state.
- Step 5** If the server is off, turn the server on.
- Step 6** If the server is on, execute the **show tech-support** command and contact Cisco Technical Support.
-

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#### Fault Details

**Severity:** info  
**Cause:** connectivity-problem  
**mibFaultCode:** 206  
**mibFaultName:** fltAdaptorUnitAdaptorReachability  
**moClass:** adaptor:Unit  
**Type:** connectivity

## fltAdaptorUnitMissing

**Fault Code:**F0203

#### Message

Adapter [id] in server [id] presence: [presence]Adapter [id] in server [chassisId]/[slotId] presence: [presence]

#### Explanation

The IO adaptor unit is missing The Cisco UCS Manager raises this fault when any of the following scenarios occur:

- Endpoint reports there is no mezz card plugged into an adaptor slot
- Endpoint can not detect/communicate to the mezz card plugged into an adaptor slot

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Make sure the mezz card is plugged into an adaptor slot in the server.
- Step 3** Check whether the adaptor is connected and configured properly and it is running the recommended firmware version.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

**Severity:** warning  
**Cause:** equipment-missing  
**mibFaultCode:** 203  
**mibFaultName:** fltAdaptorUnitMissing  
**moClass:** adaptor:Unit  
**Type:** equipment

## fltAdaptorUnitUnidentifiable-fru

**Fault Code:**F0200

#### Message

Adapter [id] in server [id] has unidentified FRUAdapter [id] in server [chassisId]/[slotId] has unidentified FRU

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### Explanation

This fault typically occurs because the Cisco UCS Manager has detected an unsupported adapter. For example, the model, vendor, or revision is not recognized.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that a supported adapter is installed.
  - Step 3** Verify that the capability catalog in the Cisco UCS Manager is up-to-date. If necessary, update the catalog.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: unidentifiable-fru
mibFaultCode: 200
mibFaultName: fltAdaptorUnitUnidentifiableFru
moClass: adaptor:Unit
Type: server
```

## Chassis-Related Faults

This section contains faults raised as a result of issues related to a chassis in the Cisco UCS instance.

### fltEquipmentChassisIdentity

**Fault Code:**F0404

#### Message

Chassis [id] has a mismatch between FRU identity reported by Fabric/IOM vs. FRU identity reported by CMC

#### Explanation

This fault typically occurs when an I/O module has corrupted or has malformed FRU information.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.
-



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#### Fault Details

**Severity:** critical  
**Cause:** fru-problem  
**mibFaultCode:** 404  
**mibFaultName:** fltEquipmentChassisIdentity  
**moClass:** equipment:Chassis  
**Type:** equipment

### fltEquipmentChassisIdentity-unestablishable

**Fault Code:**F0543

#### Message

Chassis [id] has an invalid FRU

#### Explanation

This fault typically occurs because the Cisco UCS Manager has detected an unsupported chassis. For example, the model, vendor, or revision is not recognized.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Verify that the capability catalog in the Cisco UCS Manager is up-to-date. If necessary, update the catalog.
- Step 3** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

**Severity:** major  
**Cause:** identity-unestablishable  
**mibFaultCode:** 543  
**mibFaultName:** fltEquipmentChassisIdentityUnestablishable  
**moClass:** equipment:Chassis  
**Type:** equipment

### fltEquipmentChassisInoperable

**Fault Code:**F0456

#### Message

Chassis [id] operability: [operability]

#### Explanation

This fault typically occurs for one of the following reasons:

- The fabric interconnect cannot communicate with a chassis. For a cluster configuration, this fault means that neither fabric interconnect can communicate with the chassis.

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- The chassis has an invalid FRU.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** In Cisco UCS Manager, acknowledge the chassis that raised the fault.
  - Step 3** Physically unplug and re-plug the power cord to the chassis.
  - Step 4** Verify that the I/O modules are functional.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: equipment-inoperable
mibFaultCode: 456
mibFaultName: fltEquipmentChassisInoperable
moClass: equipment:Chassis
Type: equipment
```

## fltEquipmentChassisPowerProblem

**Fault Code:**F0408

### Message

Power state on chassis [id] is [power]

### Explanation

This fault typically occurs when the chassis fails to meet the minimal power requirements defined in the power policy or when one or more power supplies have failed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** In Cisco UCS Manager, verify that all PSUs for the chassis are functional.
  - Step 3** Verify that all PSUs are seated properly within the chassis and are powered on.
  - Step 4** Physically unplug and re-plug the power cord to the chassis.
  - Step 5** If all PSUs are operating at maximum capacity, either add more PSUs to the chassis or redefine the power policy in the Cisco UCS Manager.

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- Step 6** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** power-problem  
**mibFaultCode:** 408  
**mibFaultName:** fltEquipmentChassisPowerProblem  
**moClass:** equipment:Chassis  
**Type:** environmental

## fltEquipmentChassisSeeprom-inoperable

**Fault Code:**F0733

### Message

Device [id] SEEPROM operability: [seepromOperState]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** critical  
**Cause:** equipment-inoperable  
**mibFaultCode:** 733  
**mibFaultName:** fltEquipmentChassisSeepromInoperable  
**moClass:** equipment:Chassis  
**Type:** equipment

## fltEquipmentChassisThermalThresholdCritical

**Fault Code:**F0409

### Message

Temperature on chassis [id] is [thermal]

### Explanation

None set.

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#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: major
Cause: thermal-problem
mibFaultCode: 409
mibFaultName: fltEquipmentChassisThermalThresholdCritical
moClass: equipment:Chassis
Type: environmental
```

## fltEquipmentChassisThermalThresholdNonCritical

**Fault Code:F0410**

#### Message

Temperature on chassis [id] is [thermal]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: minor
Cause: thermal-problem
mibFaultCode: 410
mibFaultName: fltEquipmentChassisThermalThresholdNonCritical
moClass: equipment:Chassis
Type: environmental
```

## fltEquipmentChassisThermalThresholdNonRecoverable

**Fault Code:F0411**

#### Message

Temperature on chassis [id] is [thermal]

#### Explanation

None set.

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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: thermal-problem
mibFaultCode: 411
mibFaultName: fltEquipmentChassisThermalThresholdNonRecoverable
moClass: equipment:Chassis
Type: environmental
```

## fltEquipmentChassisUnacknowledged

**Fault Code:**F0400

### Message

Chassis [id] connectivity configuration: [configState]

### Explanation

This fault typically occurs when or more of the I/O module links from the chassis are unacknowledged.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the state of the I/O module links.
  - Step 3** Reacknowledge the chassis.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: equipment-unacknowledged
mibFaultCode: 400
mibFaultName: fltEquipmentChassisUnacknowledged
moClass: equipment:Chassis
Type: connectivity
```

## fltEquipmentChassisUnsupportedConnectivity

**Fault Code:**F0399

### Message

Current connectivity for chassis [id] does not match discovery policy: [configState]

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### Explanation

This fault typically occurs when the current connectivity for a chassis does not match the configuration in the chassis discovery policy.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the correct number of links are configured in the chassis discovery policy.
  - Step 3** Check the state of the I/O module links.
  - Step 4** Reacknowledge the chassis.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: unsupported-connectivity-configuration
mibFaultCode: 399
mibFaultName:fltEquipmentChassisUnsupportedConnectivity
moClass: equipment:Chassis
Type: connectivity
```

## fltFabricComputeSlotEpMisplacedInChassisSlot

**Fault Code:**F0156

### Message

Server, vendor([vendor]), model([model]), serial([serial]) in slot [chassisId]/[slotId] presence: [presence]

### Explanation

This fault typically occurs when the Cisco UCS Manager detects a server in a chassis slot that does not match what was previously equipped in the slot.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the previous server was intentionally removed and a new one inserted, reacknowledge the server.
  - Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: server-moved
mibFaultCode: 156
```

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```
mibFaultName: fltFabricComputeSlotEpMisplacedInChassisSlot
moClass: fabric:ComputeSlotEp
Type: equipment
```

## fltFabricComputeSlotEpServerIdentificationProblem

**Fault Code:**F0157

### Message

Problem identifying server in slot [chassisId]/[slotId]

### Explanation

This fault typically occurs when the Cisco UCS Manager encountered a problem identifying the server in a chassis slot.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Remove and reinsert the server.
  - Step 2** Reacknowledge the server.
  - Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: server-identification-problem
mibFaultCode: 157
mibFaultName: fltFabricComputeSlotEpServerIdentificationProblem
moClass: fabric:ComputeSlotEp
Type: equipment
```

## fltMgmtEntityChassis-1-SEEPROM-error

**Fault Code:**F0453

### Message

Chassis [chassis1], error accessing SEEPROM

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: warning
```

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```
Cause: chassis-seeprom-error
mibFaultCode: 453
mibFaultName: fltMgmtEntityChassis1SEEPRoMError
moClass: mgmt:Entity
Type: management
```

## fltMgmtEntityChassis-2-SEEPRoM error

**Fault Code:**F0454

### Message

Chassis [chassis2], error accessing SEEPRoM

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: warning
Cause: chassis-seeprom-error
mibFaultCode: 454
mibFaultName: fltMgmtEntityChassis2SEEPRoMError
moClass: mgmt:Entity
Type: management
```

## fltMgmtEntityChassis-3-SEEPRoM error

**Fault Code:**F0455

### Message

Chassis [chassis3], error accessing SEEPRoM

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: warning
Cause: chassis-seeprom-error
mibFaultCode: 455
mibFaultName: fltMgmtEntityChassis3SEEPRoMError
moClass: mgmt:Entity
```



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**Type:** management

## Chassis Slot-Related Faults

This section contains faults raised as a result of issues with a server slot in a chassis.

### fltFabricComputeSlotEpMisplacedInChassisSlot

**Fault Code:**F0156

#### Message

Server, vendor([vendor]), model([model]), serial([serial]) in slot [chassisId]/[slotId] presence: [presence]

#### Explanation

This fault typically occurs when Cisco UCS Manager detects a server in a chassis slot that does not match what was previously equipped in the slot.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the previous server was intentionally removed and a new one inserted, reacknowledge the server.
- Step 2** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** warning  
**Cause:** server-moved  
**mibFaultCode:** 156  
**mibFaultName:** fltFabricComputeSlotEpMisplacedInChassisSlot  
**moClass:** fabric:ComputeSlotEp  
**Type:** equipment

### fltFabricComputeSlotEpServerIdentificationProblem

**Fault Code:**F0157

#### Message

Problem identifying server in slot [chassisId]/[slotId]

#### Explanation

This fault typically occurs when Cisco UCS Manager encountered a problem identifying the server in a chassis slot.

#### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** Remove and reinsert the server.
- Step 2** Reacknowledge the server.
- Step 3** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** warning  
**Cause:** server-identification-problem  
**mibFaultCode:** 157  
**mibFaultName:** fltFabricComputeSlotEpServerIdentificationProblem  
**moClass:** fabric:ComputeSlotEp  
**Type:** equipment

## Ethernet-Related Faults

This section contains faults raised as a result of issues with the Ethernet configuration for a vNIC.

### fltEtherServerIntFioHardware-failure

**Fault Code:**F0458

#### Message

IOM [transport] interface [portId] on chassis [id] oper state: [operState], reason: [stateQual]Fabric Interconnect [transport] interface [portId] on fabric interconnect [id] oper state: [operState], reason: [stateQual]IOM [transport] interface [portId] on fex [id] oper state: [operState], reason: [stateQual]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** major  
**Cause:** interface-failed  
**mibFaultCode:** 458  
**mibFaultName:** fltEtherServerIntFioHardwareFailure  
**moClass:** ether:ServerIntFio  
**Type:** network

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## fltFabricEthEstcPcEpDown

**Fault Code:**F0777

### Message

[type] Member [slotId]/[portId] of Port-Channel [portId] on fabric interconnect [id] is down, membership: [membership]

### Explanation

This fault typically occurs when a member-port in a Ethernet port-channel is down.

### Recommended Action

If you see this fault, take the following action:

---

**Step 1** Check the link connectivity on the upstream Ethernet switch.

---

### Fault Details

**Severity:** major  
**Cause:** membership-down  
**mibFaultCode:** 777  
**mibFaultName:** fltFabricEthEstcPcEpDown  
**moClass:** fabric:EthEstcPcEp  
**Type:** network

## fltFabricEthLanPcEpDown

**Fault Code:**F0727

### Message

[type] Member [slotId]/[portId] of Port-Channel [portId] on fabric interconnect [id] is down, membership: [membership]

### Explanation

This fault typically occurs when a member-port in a Ethernet port-channel is down.

### Recommended Action

If you see this fault, take the following action:

---

**Step 1** Check the link connectivity on the upstream Ethernet switch.

---

### Fault Details

**Severity:** major  
**Cause:** membership-down  
**mibFaultCode:** 727  
**mibFaultName:** fltFabricEthLanPcEpDown  
**moClass:** fabric:EthLanPcEp  
**Type:** network

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## fltVnicEtherConfig-failed

**Fault Code:**F0169

### Message

Eth vNIC [name], service profile [name] failed to apply configuration

### Explanation

This fault typically occurs when the Cisco UCS Manager could not place the vNIC on the vCon.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the server was successfully discovered.
  - Step 2** Verify that the correct type of adapters are installed on the server.
  - Step 3** Confirm that the vCon assignment is correct.
  - Step 4** If the above steps do not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** minor  
**Cause:** configuration-failed  
**mibFaultCode:** 169  
**mibFaultName:** fltVnicEtherConfigFailed  
**moClass:** vnic:Ether  
**Type:** configuration

## Fabric Extended (FEX)-Related Faults

This section contains faults raised as a result of issues related to a fabric extended module in the Cisco UCS instance.

### fltEquipmentFexIdentity

**Fault Code:**F0703

### Message

Fex [id] has a malformed FRU

### Explanation

This fault typically occurs when an fex has corrupted or has malformed FRU information.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the capability catalog in the Cisco UCS Manager is up-to-date. If necessary, update the catalog.
  - Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: fru-problem
mibFaultCode: 703
mibFaultName: fltEquipmentFexIdentity
moClass: equipment:Fex
Type: equipment
```

## fltEquipmentFexIdentity-unestablishable

**Fault Code:**F0778

### Message

Fex [id] has an invalid FRU

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected an unsupported chassis. For example, the model, vendor, or revision is not recognized.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the capability catalog in the Cisco UCS Manager is up-to-date. If necessary, update the catalog.
  - Step 3** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: identity-unestablishable
mibFaultCode: 778
mibFaultName: fltEquipmentFexIdentityUnestablishable
moClass: equipment:Fex
Type: equipment
```

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## fltEquipmentFexPost-failure

**Fault Code:**F0702

### Message

fex [id] POST failure

### Explanation

This fault typically occurs when the fex encounters errors during the Power On Self Test (POST). The impact of this fault varies depending on what errors were encountered during POST.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the POST results for the fex. In the Cisco UCS Manager GUI, you can access the POST results from the General tab for the fex. In the Cisco UCS Manager CLI, you can access the POST results through the **show post** command under the scope for the fex.
  - Step 3** Reboot the fex.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: equipment-problem
mibFaultCode: 702
mibFaultName: fltEquipmentFexPostFailure
moClass: equipment:Fex
Type: equipment
```

## Fabric Interconnect-Related Faults

This section contains faults raised as a result of issues with a fabric interconnect.

### fltEtherSwitchIntFloSatellite-wiring-numbers-unexpected

**Fault Code:**F0440

### Message

Chassis discovery policy conflict: Link IOM [chassisId]/[slotId]/[portId] to fabric interconnect [switchId]:[peerSlotId]/[peerPortId] not configured

### Explanation

Chassis discovery policy conflict with present iom uplinks Cisco UCS Manager raises this fault when any of the following scenario occur:

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- UCSM detects number of present IOM uplinks are less than that defined in Chassis discovery policy link-action

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Make sure that number of present IOM uplinks are at least same as that defined in chassis discovery policy link-action. Configure corresponding sever ports.
- Step 3** Re-acknowledge the chassis to acknowledge the mismatched number of present links.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: info
Cause: unexpected-number-of-links
mibFaultCode: 440
mibFaultName: fltEtherSwitchIntFioSatelliteWiringNumbersUnexpected
moClass: ether:SwitchIntFio
Type: connectivity
```

## fltEtherSwitchIntFioSatellite-wiring-problem

**Fault Code:**F0368

### Message

Invalid connection between IOM port [chassisId]/[slotId]/[portId] and fabric interconnect [switchId]:[peerSlotId]/[peerPortId]

### Explanation

There is a satellite wiring problem on network facing interface of IO-moduleThe Cisco UCS Manager raises this fault when any of the following scenario occur:

- The UCSM detects that at least one IOM uplink is misconnected to one of the (fabric interconnect) switch port

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Verify the fabric interconnect-chassis topology. Make sure each IO Module is connected to only one fabric interconnect
- Step 3** Ensure that the links are plugged in properly and re-acknowledge the chassis.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
-

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#### Fault Details

**Severity:** info  
**Cause:** satellite-mis-connected  
**mibFaultCode:** 368  
**mibFaultName:** fltEtherSwitchIntFioSatelliteWiringProblem  
**moClass:** ether:SwitchIntFio  
**Type:** connectivity

## fltExtmgmtIfMgmtifdown

**Fault Code:**F0736

#### Message

Management interface on Fabric Interconnect [id] is [operState]

#### Explanation

External management interface on fabric interconnect is operationally down. The Cisco UCS Manager raises this fault when any of the following scenario occur:

- Endpoint (switch/fabric interconnect) reports that operational state of external management interface is down.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the state transitions of external management interface on fabric interconnect. Check the link connectivity
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

**Severity:** major  
**Cause:** mgmtif-down  
**mibFaultCode:** 736  
**mibFaultName:** fltExtmgmtIfMgmtifdown  
**moClass:** extmgmt:If  
**Type:** management

## fltMgmtEntityDegraded

**Fault Code:**F0293

#### Message

Fabric Interconnect [id], HA Cluster interconnect link failure

#### Explanation

None set.



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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** link-down  
**mibFaultCode:** 293  
**mibFaultName:** fltMgmtEntityDegraded  
**moClass:** mgmt:Entity  
**Type:** network

## fltMgmtEntityDown

**Fault Code:**F0294

### Message

Fabric Interconnect [id], HA Cluster interconnect total link 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** critical  
**Cause:** link-down  
**mibFaultCode:** 294  
**mibFaultName:** fltMgmtEntityDown  
**moClass:** mgmt:Entity  
**Type:** network

## fltMgmtEntityElection-failure

**Fault Code:**F0428

### Message

Fabric Interconnect [id], election of primary management instance has failed

### Explanation

None set.

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#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: critical
Cause: election-failure
mibFaultCode: 428
mibFaultName: fltMgmtEntityElectionFailure
moClass: mgmt:Entity
Type: management
```

## fltMgmtEntityHa-not-ready

**Fault Code:F0429**

#### Message

Fabric Interconnect [id], HA functionality not ready

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: major
Cause: ha-not-ready
mibFaultCode: 429
mibFaultName: fltMgmtEntityHaNotReady
moClass: mgmt:Entity
Type: management
```

## fltMgmtEntityManagement-services-failure

**Fault Code:F0451**

#### Message

Fabric Interconnect [id], management services have failed

#### Explanation

None set.

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### **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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### **Fault Details**

**Severity:** critical  
**Cause:** management-services-failure  
**mibFaultCode:** 451  
**mibFaultName:** fltMgmtEntityManagementServicesFailure  
**moClass:** mgmt:Entity  
**Type:** management

## **fltMgmtEntityManagement-services-unresponsive**

**Fault Code:**F0452

### **Message**

Fabric Interconnect [id], management services are unresponsive

### **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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### **Fault Details**

**Severity:** critical  
**Cause:** management-services-unresponsive  
**mibFaultCode:** 452  
**mibFaultName:** fltMgmtEntityManagementServicesUnresponsive  
**moClass:** mgmt:Entity  
**Type:** management

## **fltMgmtEntityVersion-incompatible**

**Fault Code:**F0430

### **Message**

Fabric Interconnect [id], management services, incompatible versions

### **Explanation**

None set.

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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** critical  
**Cause:** version-incompatible  
**mibFaultCode:** 430  
**mibFaultName:** fltMgmtEntityVersionIncompatible  
**moClass:** mgmt:Entity  
**Type:** management

## fltNetworkElementInoperable

**Fault Code:**F0291

### Message

Fabric Interconnect [id] operability: [operability]

### Explanation

The IO fabric interconnect is inoperable. The Cisco UCS Manager raises this fault when any of the following scenarios occur:

- The switch cluster controller reports that the membership state of the fabric interconnect is down.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Make sure that both the fabric interconnects in the HA cluster are running the same switch software versions.
  - Step 3** Verify that the fabric interconnect is running the switch software version compatible to the UCS Manager software version.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** critical  
**Cause:** equipment-inoperable  
**mibFaultCode:** 291  
**mibFaultName:** fltNetworkElementInoperable  
**moClass:** network:Element  
**Type:** equipment

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## fltStorageItemCapacityExceeded

**Fault Code:**F0182

### Message

Disk usage for partition [name] on fabric interconnect [id] exceeded 70%

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** minor  
**Cause:** capacity-exceeded  
**mibFaultCode:** 182  
**mibFaultName:** fltStorageItemCapacityExceeded  
**moClass:** storage:Item  
**Type:** environmental

## fltStorageItemCapacityWarning

**Fault Code:**F0183

### Message

Disk usage for partition [name] on fabric interconnect [id] exceeded 90%

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** capacity-exceeded  
**mibFaultCode:** 183  
**mibFaultName:** fltStorageItemCapacityWarning  
**moClass:** storage:Item  
**Type:** environmental

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## Fan-Related Faults

This section contains faults raised as a result of issues related to a fan or fan module in the Cisco UCS instance.

### fltEquipmentFanDegraded

**Fault Code:**F0371

#### Message

Fan [id] in Fan Module [id]/[tray]-[id] operability: [operability]Fan [id] in fabric interconnect [id] operability: [operability]Fan [id] in fex [id] operability: [operability]Fan [id] in server [id] operability: [operability]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: minor
Cause: equipment-degraded
mibFaultCode: 371
mibFaultName: fltEquipmentFanDegraded
moClass: equipment:Fan
Type: equipment
```

### fltEquipmentFanInoperable

**Fault Code:**F0373

#### Message

Fan [id] in Fan Module [id]/[tray]-[id] operability: [operability]Fan [id] in fabric interconnect [id] operability: [operability]Fan [id] in fex [id] operability: [operability]Fan [id] in server [id] operability: [operability]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

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#### **Fault Details**

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 373  
**mibFaultName:** fltEquipmentFanInoperable  
**moClass:** equipment:Fan  
**Type:** equipment

### **fltEquipmentFanMissing**

**Fault Code:**F0434

#### **Message**

Fan [id] in fabric interconnect [id] presence: [presence]Fan [id] in fex [id] presence: [presence]Fan [id] in server [id] presence: [presence]

#### **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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### **Fault Details**

**Severity:** warning  
**Cause:** equipment-missing  
**mibFaultCode:** 434  
**mibFaultName:** fltEquipmentFanMissing  
**moClass:** equipment:Fan  
**Type:** equipment

### **fltEquipmentFanModuleDegraded**

**Fault Code:**F0480

#### **Message**

Fan module [id]/[tray]-[id] operability: [operability]Fan module [id]/[tray]-[id] operability: [operability]Fan module [id]/[tray]-[id] operability: [operability]

#### **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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

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#### Fault Details

**Severity:** minor  
**Cause:** equipment-degraded  
**mibFaultCode:** 480  
**mibFaultName:** fltEquipmentFanModuleDegraded  
**moClass:** equipment:FanModule  
**Type:** equipment

## fltEquipmentFanModuleIdentity

**Fault Code:**F0406

#### Message

Fan Module [id]/[tray]-[id] has a malformed FRUFan Module [id]/[tray]-[id] has a malformed FRU

#### Explanation

This fault typically occurs when fan module has corrupted or has malformed FRU information.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** critical  
**Cause:** fru-problem  
**mibFaultCode:** 406  
**mibFaultName:** fltEquipmentFanModuleIdentity  
**moClass:** equipment:FanModule  
**Type:** equipment

## fltEquipmentFanModuleInoperable

**Fault Code:**F0794

#### Message

Fan [id] in server [id] operability: [operability]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.



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#### Fault Details

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 794  
**mibFaultName:** fltEquipmentFanModuleInoperable  
**moClass:** equipment:FanModule  
**Type:** equipment

### fltEquipmentFanModuleMissing

**Fault Code:**F0377

#### Message

Fan module [id]/[tray]-[id] presence: [presence]Fan module [id]/[tray]-[id] presence: [presence]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** warning  
**Cause:** equipment-missing  
**mibFaultCode:** 377  
**mibFaultName:** fltEquipmentFanModuleMissing  
**moClass:** equipment:FanModule  
**Type:** equipment

### fltEquipmentFanModuleThermalThresholdCritical

**Fault Code:**F0382

#### Message

Fan module [id]/[tray]-[id] temperature: [thermal]Fan module [id]/[tray]-[id] temperature: [thermal]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** major  
**Cause:** thermal-problem

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```
mibFaultCode: 382
mibFaultName: fltEquipmentFanModuleThermalThresholdCritical
moClass: equipment:FanModule
Type: environmental
```

## fltEquipmentFanModuleThermalThresholdNonCritical

**Fault Code:**F0380

### Message

Fan module [id]/[tray]-[id] temperature: [thermal]Fan module [id]/[tray]-[id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: minor
Cause: thermal-problem
mibFaultCode: 380
mibFaultName: fltEquipmentFanModuleThermalThresholdNonCritical
moClass: equipment:FanModule
Type: environmental
```

## fltEquipmentFanModuleThermalThresholdNonRecoverable

**Fault Code:**F0384

### Message

Fan module [id]/[tray]-[id] temperature: [thermal]Fan module [id]/[tray]-[id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: thermal-problem
mibFaultCode: 384
mibFaultName: fltEquipmentFanModuleThermalThresholdNonRecoverable
moClass: equipment:FanModule
Type: environmental
```

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## fltEquipmentFanPerfThresholdCritical

**Fault Code:**F0396

### Message

Fan [id] in Fan Module [id]/[tray]-[id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in server [id] speed: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: info
Cause: performance-problem
mibFaultCode: 396
mibFaultName: fltEquipmentFanPerfThresholdCritical
moClass: equipment:Fan
Type: equipment
```

## fltEquipmentFanPerfThresholdLowerNonRecoverable

**Fault Code:**F0484

### Message

Fan [id] in Fan Module [id]/[tray]-[id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in server [id] speed: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: performance-problem
mibFaultCode: 484
mibFaultName: fltEquipmentFanPerfThresholdLowerNonRecoverable
moClass: equipment:Fan
Type: equipment
```

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## fltEquipmentFanPerfThresholdNonCritical

**Fault Code:**F0395

### Message

Fan [id] in Fan Module [id]/[tray]-[id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in server [id] speed: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** info  
**Cause:** performance-problem  
**mibFaultCode:** 395  
**mibFaultName:** fltEquipmentFanPerfThresholdNonCritical  
**moClass:** equipment:Fan  
**Type:** equipment

## fltEquipmentFanPerfThresholdNonRecoverable

**Fault Code:**F0397

### Message

Fan [id] in Fan Module [id]/[tray]-[id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in server [id] speed: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** info  
**Cause:** performance-problem  
**mibFaultCode:** 397  
**mibFaultName:** fltEquipmentFanPerfThresholdNonRecoverable  
**moClass:** equipment:Fan  
**Type:** equipment

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## Fibre Channel-Related Faults

This section contains the following faults raised as a result of issues with the Fibre Channel configuration for a vNIC.

### fltVnicFcConfig-failed

**Fault Code:**F0170

**Message**

FC vHBA [name], service profile [name] failed to apply configuration

**Explanation**

This fault typically occurs when the Cisco UCS Manager could not place the vHBA on the vCon.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify that the server was successfully discovered.
  - Step 2** Verify that the correct type of adapters are installed on the server.
  - Step 3** Confirm that the vCon assignment is correct.
  - Step 4** If the above steps do not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

**Fault Details**

**Severity:** minor  
**Cause:** configuration-failed  
**mibFaultCode:** 170  
**mibFaultName:** fltVnicFcConfigFailed  
**moClass:** vnic:Fc  
**Type:** configuration

## Firmware-Related Faults

This section contains faults raised as a result of issues related to a firmware upgrade or to running firmware on a component in the Cisco UCS instance.

### fltEquipmentIOCardAutoUpgradingFirmware

**Fault Code:**F0435

**Message**

IOM [chassisId]/[id] ([switchId]) is auto upgrading firmware

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### Explanation

This fault typically occurs when an I/O module is auto upgrading.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If IOM version and switch version are not the same, then wait for some time for auto-upgrade to complete
  - Step 2** Auto-upgrade happens when IOM version is no longer compatible with Switch version.
  - Step 3** Fault will be cleared automatically when IOM upgrade is completed.
  - Step 4** If you see the fault even after IOM Overall Status changes to operable, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** auto-firmware-upgrade  
**mibFaultCode:** 435  
**mibFaultName:**fltEquipmentIOCardAutoUpgradingFirmware  
**moClass:** equipment:IOCard  
**Type:** connectivity

## fltEquipmentIOCardFirmwareUpgrade

**Fault Code:**F0398

### Message

Chassis controller in IOM [chassisId]/[id] ([switchId]) firmware upgrade problem: [upgradeStatus]

### Explanation

This fault typically occurs when an IOM upgrade fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check FSM status under IOM and check if the FSM upgrade was completed successfully or failed.
  - Step 2** If FSM failed, then look for the error message in the FSM.
  - Step 3** If the error message is self-explanatory, eg: No connection to end point or link down etc, check the physical connectivity.
  - Step 4** If the fault persists, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** firmware-upgrade-problem  
**mibFaultCode:** 398  
**mibFaultName:**fltEquipmentIOCardFirmwareUpgrade

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**moClass:** equipment:IOCard  
**Type:** equipment

## fltFirmwareBootUnitCantBoot

**Fault Code:**F0471

### Message

unable to boot the startup image. End point booted with backup image

### Explanation

This fault typically occurs when the startup image is corrupted/invalid and end point cannot boot from startup image.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Go to FSM tab for the end point on which the fault is raised and check for error description.
  - Step 2** If FSM failed, then look for the error message in the FSM.
  - Step 3** Error message usually tells why end point was not able to boot the startup image. Eg: Something like Bad-Image or checksum failed etc.
  - Step 4** If the fault persists, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** image-cannot-boot  
**mibFaultCode:** 471  
**mibFaultName:** fltFirmwareBootUnitCantBoot  
**moClass:** firmware:BootUnit  
**Type:** management

## fltFirmwarePackItemImageMissing

**Fault Code:**F0436

### Message

[type] image with vendor [hwVendor], model [hwModel] and version [version] is deleted

### Explanation

This fault typically occurs when the image the pack item is referring to is not present.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Go to Firmware Management-Images tab in GUI and check if the image which is reported as missing is available or not.

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- Step 2** If Image is present, check for model and vendor of the image by selecting the image.
  - Step 3** If the image for specified model and vendor is not present, then download that image or bundle from cisco
  - Step 4** If the image is present and the fault persists, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: major
Cause: image-deleted
mibFaultCode: 436
mibFaultName:fltFirmwarePackItemImageMissing
moClass: firmware:PackItem
Type: management
```

## **fltFirmwareUpdatableImageUnusable**

**Fault Code:**F0470

### **Message**

backup image is unusable. reason: [operStateQual]

### **Explanation**

This fault typically occurs when the backup image is unusable.

### **Recommended Action**

If you see this fault, take the following actions:

- Step 1** Check out the reason specified for the backup image unusable.
  - Step 2** If it is bad-image/corrupted-image, try downloading the image again from Cisco site..
  - Step 3** If the image is present and the fault persists, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: major
Cause: image-unusable
mibFaultCode: 470
mibFaultName:fltFirmwareUpdatableImageUnusable
moClass: firmware:Updatable
Type: management
```



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## I/O Module-Related Faults

This section contains faults raised as a result of issues related to an I/O module in the Cisco UCS instance.

### fltEquipmentIOCardIdentity

**Fault Code:**F0405

**Message**

[side] IOM [chassisId]/[id] ([switchId]) has a malformed FRU

**Explanation**

This fault typically occurs when an I/O module has corrupted or has malformed FRU information.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

**Fault Details**

**Severity:** critical  
**Cause:** fru-problem  
**mibFaultCode:** 405  
**mibFaultName:** fltEquipmentIOCardIdentity  
**moClass:** equipment:IOCard  
**Type:** equipment

### fltEquipmentIOCardInaccessible

**Fault Code:**F0478

**Message**

[side] IOM [chassisId]/[id] ([switchId]) is inaccessible

**Explanation**

This fault typically occurs because an I/O module has lost connection to the fabric interconnects. In a cluster configuration, the chassis fails over to the other I/O module. For a standalone configuration, the chassis associated with the I/O module loses network connectivity. This is a critical fault because it can result in the loss of network connectivity and disrupt data traffic through the I/O module.

**Recommended Action**

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Wait a few minutes to see if the fault clears. This is typically a temporary issue, and can occur after a firmware upgrade.
  - Step 3** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: equipment-inaccessible
mibFaultCode: 478
mibFaultName: fltEquipmentIOCardInaccessible
moClass: equipment:IOCard
Type: equipment
```

## fltEquipmentIOCardPeerDisconnected

**Fault Code:**F0403

### Message

IOM [chassisId]/[id] ([switchId]) peer connectivity: [peerCommStatus]

### Explanation

This fault typically occurs when an I/O module is unable to communicate with its peer I/O module.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Wait a few minutes to see if the fault clears. This is typically a temporary issue, and can occur after a firmware upgrade.
  - Step 3** If the fault does not clear after a few minutes, remove and reinsert the I/O module.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: equipment-disconnected
mibFaultCode: 403
mibFaultName: fltEquipmentIOCardPeerDisconnected
moClass: equipment:IOCard
Type: connectivity
```

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## fltEquipmentIOCardPost-failure

**Fault Code:**F0481

### Message

[side] IOM [chassisId]/[id] ([switchId]) POST failure

### Explanation

This fault typically occurs when the I/O module encounters errors during the Power On Self Test (POST). The impact of this fault varies depending on what errors were encountered during POST.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the POST results for the I/O module. In Cisco UCS Manager GUI, you can access the POST results from the General tab for the I/O module. In Cisco UCS Manager CLI, you can access the POST results through the **show post** command under the scope for the I/O module.
  - Step 3** Reboot the I/O module.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** equipment-problem  
**mibFaultCode:** 481  
**mibFaultName:** fltEquipmentIOCardPostFailure  
**moClass:** equipment:IOCard  
**Type:** equipment

## fltEquipmentIOCardRemoved

**Fault Code:**F0376

### Message

[side] IOM [chassisId]/[id] ([switchId]) is removed

### Explanation

This fault typically occurs because an I/O module is removed from the chassis. In a cluster configuration, the chassis fails over to the other I/O module. For a standalone configuration, the chassis associated with the I/O module loses network connectivity. This is a critical fault because it can result in the loss of network connectivity and disrupt data traffic through the I/O module.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Re-insert the I/O module and configure the fabric-interconnect ports connected to it as server ports and wait a few minutes to see if the fault clears.
- Step 3** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

```
Severity: critical
Cause: equipment-removed
mibFaultCode: 376
mibFaultName: fltEquipmentIOCardRemoved
moClass: equipment:IOCard
Type: equipment
```

### fltEquipmentIOCardThermalProblem

**Fault Code:F0379**

#### Message

[side] IOM [chassisId]/[id] ([switchId]) operState: [operState]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: major
Cause: thermal-problem
mibFaultCode: 379
mibFaultName: fltEquipmentIOCardThermalProblem
moClass: equipment:IOCard
Type: environmental
```

### fltEquipmentIOCardThermalThresholdCritical

**Fault Code:F0730**

#### Message

[side] IOM [chassisId]/[id] ([switchId]) temperature: [thermal]

#### Explanation

None set.

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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** thermal-problem  
**mibFaultCode:** 730  
**mibFaultName:** fltEquipmentIOCardThermalThresholdCritical  
**moClass:** equipment:IOCard  
**Type:** environmental

## fltEquipmentIOCardThermalThresholdNonCritical

**Fault Code:**F0729

### Message

[side] IOM [chassisId]/[id] ([switchId]) temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** minor  
**Cause:** thermal-problem  
**mibFaultCode:** 729  
**mibFaultName:** fltEquipmentIOCardThermalThresholdNonCritical  
**moClass:** equipment:IOCard  
**Type:** environmental

## fltEquipmentIOCardThermalThresholdNonRecoverable

**Fault Code:**F0731

### Message

[side] IOM [chassisId]/[id] ([switchId]) temperature: [thermal]

### Explanation

None set.

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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: thermal-problem
mibFaultCode: 731
mibFaultName: fltEquipmentIOCardThermalThresholdNonRecoverable
moClass: equipment:IOCard
Type: environmental
```

## fltEquipmentIOCardUnacknowledged

**Fault Code:**F0402

### Message

IOM [chassisId]/[id] ([switchId]) connectivity configuration: [configState]

### Explanation

This fault typically occurs when an I/O module is unacknowledged.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the state of the I/O module links.
  - Step 3** Reacknowledge the chassis.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: equipment-unacknowledged
mibFaultCode: 402
mibFaultName: fltEquipmentIOCardUnacknowledged
moClass: equipment:IOCard
Type: connectivity
```

## fltEquipmentIOCardUnsupportedConnectivity

**Fault Code:**F0401

### Message

IOM [chassisId]/[id] ([switchId]) current connectivity does not match discovery policy: [configState]

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### Explanation

This fault typically occurs when the current connectivity for an I/O module does not match the configuration in the chassis discovery policy.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the correct number of links are configured in the chassis discovery policy.
  - Step 3** Check the state of the I/O module links.
  - Step 4** Reacknowledge the chassis.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: unsupported-connectivity-configuration
mibFaultCode: 401
mibFaultName: fltEquipmentIOCardUnsupportedConnectivity
moClass: equipment:IOCard
Type: connectivity
```

## License-Related Faults

This section contains faults raised as a result of issues related to licensing.

### fltLicenseFileBadLicenseFile

**Fault Code:**F0677

#### Message

license file [name] on fabric-interconnect [scope] can not be installed

#### Explanation

Installation of a license file on this fabric interconnect has failed. This fault typically occurs if license file is badly formatted or does not have a matching server host ID with fabric interconnect.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** In the Cisco UCS Manager CLI, check the server host IDs for both fabric interconnects. You can access the host ID information by issuing **show server-host-id detail** command under the license scope.
  - Step 2** Match the host-IDs with the contents in license file procured, if it matches, execute the **show tech-support** command and contact Cisco Technical Support.

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**Step 3** If it does not match, contact Cisco Technical Support for the correct license file.

---

### **Fault Details**

**Severity:** critical  
**Cause:** license-file-uninstallable  
**mibFaultCode:** 677  
**mibFaultName:** fltLicenseFileBadLicenseFile  
**moClass:** license:File  
**Type:** management

## **fltLicenseFileFileNotDeleted**

**Fault Code:**F0678

### **Message**

license file [name] from fabric-interconnect [scope] could not be deleted

### **Explanation**

Deletion of a license file on this fabric interconnect has failed. This fault typically occurs if license framework is not able to delete a file.

### **Recommended Action**

If you see this fault, take the following actions:

---

**Step 1** Execute the **show tech-support** command and contact Cisco Technical Support.

---

### **Fault Details**

**Severity:** critical  
**Cause:** license-file-not-deleted  
**mibFaultCode:** 678  
**mibFaultName:** fltLicenseFileFileNotDeleted  
**moClass:** license:File  
**Type:** management

## **fltLicenseInstanceGracePeriodWarning1**

**Fault Code:**F0670

### **Message**

license for [feature] on fabric-interconnect [scope] has entered into the grace period.

### **Explanation**

The fabric interconnect is running at least one port in the grace-period. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses.

### **Recommended Action**

If you see this fault, take the following actions:



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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.
- Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** license-graceperiod-entered  
**mibFaultCode:** 670  
**mibFaultName:** fltLicenseInstanceGracePeriodWarning1  
**moClass:** license:Instance  
**Type:** management

## fltLicenseInstanceGracePeriodWarning2

**Fault Code:**F0671

### Message

license for [feature] on fabric-interconnect [scope] is running in the grace period for more than 10 days

### Explanation

The fabric interconnect is running atleast one port in grace-period for more than 10 days. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses and system is in this state for more than 10 days.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.
- Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** license-graceperiod-10days  
**mibFaultCode:** 671  
**mibFaultName:** fltLicenseInstanceGracePeriodWarning2  
**moClass:** license:Instance  
**Type:** management

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## fltLicenseInstanceGracePeriodWarning3

**Fault Code:**F0672

### Message

license for [feature] on fabric-interconnect [scope] is running in the grace period for more than 30 days

### Explanation

The fabric interconnect is running at least one port in grace-period for more than 30 days. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses and system is in this state for more than 30 days.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.
  - Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
  - Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** license-graceperiod-30days  
**mibFaultCode:** 672  
**mibFaultName:** fltLicenseInstanceGracePeriodWarning3  
**moClass:** license:Instance  
**Type:** management

## fltLicenseInstanceGracePeriodWarning4

**Fault Code:**F0673

### Message

license for [feature] on fabric-interconnect [scope] is running in the grace period for more than 60 days

### Explanation

The fabric interconnect is running at least one port in grace-period for more than 60 days. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses and system is in this state for more than 60 days.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.

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- Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** license-graceperiod-60days  
**mibFaultCode:** 673  
**mibFaultName:** fltLicenseInstanceGracePeriodWarning4  
**moClass:** license:Instance  
**Type:** management

## fltLicenseInstanceGracePeriodWarning5

**Fault Code:**F0674

### Message

license for [feature] on fabric-interconnect [scope] is running in the grace period for more than 90 days

### Explanation

The fabric interconnect is running at least one port in grace-period for more than 90 days. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses and system is in this state for more than 90 days.

### Recommended Action

If you see this fault, take the following actions:

- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.
- Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** license-graceperiod-90days  
**mibFaultCode:** 674  
**mibFaultName:** fltLicenseInstanceGracePeriodWarning5  
**moClass:** license:Instance  
**Type:** management

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## fltLicenseInstanceGracePeriodWarning6

**Fault Code:**F0675

### Message

license for [feature] on fabric-interconnect [scope] is running in the grace period for more than 119 days

### Explanation

The fabric interconnect is running at least one port in grace-period for more than 119 days. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses and system is in this state for more than 119 days.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.
  - Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
  - Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: license-graceperiod-119days
mibFaultCode: 675
mibFaultName: fltLicenseInstanceGracePeriodWarning6
moClass: license:Instance
Type: management
```

## fltLicenseInstanceGracePeriodWarning7

**Fault Code:**F0676

### Message

Grace period for [feature] on fabric-interconnect [scope] is expired. Please acquire a license for the same.

### Explanation

The fabric interconnect is running atleast one port in grace-period for more than 120 days. This fault typically occurs if one or more ports on the fixed module are enabled after consuming all default licenses and system is in this state for more than 120 days. This puts the system licensing state as expired.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, check the number of ports enabled on Fixed module.

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- Step 2** Check the number of licenses installed and consumed on each fabric interconnect. In the Cisco UCS Manager GUI, you can access the licensing information from the Admin tab for the fabric interconnect. In the Cisco UCS Manager CLI, you can access the licensing information by issuing **show usage detail** command under the license scope.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support immediately to procure more licenses.
- Step 4** **Disable any additional ports to bring the number of enabled ports down to the number of total licenses.**

### Fault Details

```
Severity: critical
Cause: license-graceperiod-expired
mibFaultCode: 676
mibFaultName: fltLicenseInstanceGracePeriodWarning7
moClass: license:Instance
Type: management
```

## Link-Related Faults

This section contains faults raised as a result of issues related to the links between a chassis or I/O module and a fabric interconnect.

### fltEtherSwitchIntFloSatellite-connection-absent

**Fault Code:**F0367

#### Message

No link between IOM port [chassisId]/[slotId]/[portId] and fabric interconnect [switchId]:[peerSlotId]/[peerPortId]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: major
Cause: satellite-connection-absent
mibFaultCode: 367
mibFaultName: fltEtherSwitchIntFloSatelliteConnectionAbsent
moClass: ether:SwitchIntFio
Type: connectivity
```

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## Memory-Related Faults

This section contains faults raised as issues with memory units or DIMMs in a server.

### fltMemoryArrayVoltageThresholdCritical

**Fault Code:**F0190

#### Message

Memory array [id] on server [chassisId]/[slotId] voltage: [voltage]Memory array [id] on server [id] voltage: [voltage]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: major
Cause: voltage-problem
mibFaultCode: 190
mibFaultName: fltMemoryArrayVoltageThresholdCritical
moClass: memory:Array
Type: environmental
```

### fltMemoryArrayVoltageThresholdNonCritical

**Fault Code:**F0189

#### Message

Memory array [id] on server [chassisId]/[slotId] voltage: [voltage]Memory array [id] on server [id] voltage: [voltage]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: minor
Cause: voltage-problem
mibFaultCode: 189
```

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```
mibFaultName: fltMemoryArrayVoltageThresholdNonCritical
moClass: memory:Array
Type: environmental
```

## fltMemoryArrayVoltageThresholdNonRecoverable

**Fault Code:**F0191

### Message

Memory array [id] on server [chassisId]/[slotId] voltage: [voltage]Memory array [id] on server [id] voltage: [voltage]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: voltage-problem
mibFaultCode: 191
mibFaultName: fltMemoryArrayVoltageThresholdNonRecoverable
moClass: memory:Array
Type: environmental
```

## fltMemoryBufferUnitThermalThresholdCritical

**Fault Code:**F0536

### Message

Buffer Unit [id] on server [chassisId]/[slotId] temperature: [thermal]Buffer Unit [id] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: major
Cause: thermal-problem
mibFaultCode: 536
mibFaultName: fltMemoryBufferUnitThermalThresholdCritical
```

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**moClass:** memory:BufferUnit  
**Type:** environmental

## fltMemoryBufferUnitThermalThresholdNonCritical

**Fault Code:**F0535

### Message

Buffer Unit [id] on server [chassisId]/[slotId] temperature: [thermal]Buffer Unit [id] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** minor  
**Cause:** thermal-problem  
**mibFaultCode:** 535  
**mibFaultName:** fltMemoryBufferUnitThermalThresholdNonCritical  
**moClass:** memory:BufferUnit  
**Type:** environmental

## fltMemoryBufferUnitThermalThresholdNonRecoverable

**Fault Code:**F0537

### Message

Buffer Unit [id] on server [chassisId]/[slotId] temperature: [thermal]Buffer Unit [id] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** critical  
**Cause:** thermal-problem  
**mibFaultCode:** 537  
**mibFaultName:** fltMemoryBufferUnitThermalThresholdNonRecoverable  
**moClass:** memory:BufferUnit



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**Type:** environmental

## fltMemoryUnitDegraded

**Fault Code:**F0184

### Message

DIMM [location] on server [chassisId]/[slotId] operability: [operability]DIMM [location] on server [id] operability: [operability]

### Explanation

The DIMM is in a degraded operability stateThe Cisco UCS Manager raises this fault when any of the following scenarios occur:

- The UCSM marks a memory unit (DIMM) as degraded operability when an excessive number of correctable ECC errors are reported by BIOS.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Monitor the error statistics on the degraded DIMM through the GUI tab. If the high number of errors persists, there is a high possibility of the DIMM becoming inoperable.
- Step 3** The fault indicates that the DIMM is operating in a degraded state. If the DIMM becomes inoperable, replace the DIMM.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** minor  
**Cause:** equipment-degraded  
**mibFaultCode:** 184  
**mibFaultName:** fltMemoryUnitDegraded  
**moClass:** memory:Unit  
**Type:** equipment

## fltMemoryUnitIdentity-unestablishable

**Fault Code:**F0502

### Message

DIMM [location] on server [chassisId]/[slotId] has an invalid FRUDIMM [location] on server [id] has an invalid FRU

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected unsupported DIMM in the server. For example, the model, vendor, or revision is not recognized.

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### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the capability catalog in the Cisco UCS Manager is up-to-date. If necessary, update the catalog.
  - Step 3** If the above actions did not resolve the issue, you may have unsupported DIMMs or DIMM configuration in the server. Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: identity-unestablishable
mibFaultCode: 502
mibFaultName: fltMemoryUnitIdentityUnestablishable
moClass: memory:Unit
Type: equipment
```

## fltMemoryUnitInoperable

### Fault Code:F0185

### Message

DIMM [location] on server [chassisId]/[slotId] operability: [operability]DIMM [location] on server [id] operability: [operability]

### Explanation

This fault typically occurs because an above threshold number of correctable or uncorrectable errors occurred on a DIMM. The DIMM may be inoperable.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** If the SEL is enabled, look at the SEL statistics on the DIMM to determine which threshold was crossed.
  - Step 3** If necessary, replace the DIMM.
  - Step 4** If the above actions do not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: equipment-inoperable
mibFaultCode: 185
mibFaultName: fltMemoryUnitInoperable
moClass: memory:Unit
```

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**Type:** equipment

## fltMemoryUnitThermalThresholdCritical

**Fault Code:**F0187

### Message

DIMM [location] on server [chassisId]/[slotId] temperature: [thermal]DIMM [location] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** thermal-problem  
**mibFaultCode:** 187  
**mibFaultName:** fltMemoryUnitThermalThresholdCritical  
**moClass:** memory:Unit  
**Type:** environmental

## fltMemoryUnitThermalThresholdNonCritical

**Fault Code:**F0186

### Message

DIMM [location] on server [chassisId]/[slotId] temperature: [thermal]DIMM [location] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** minor  
**Cause:** thermal-problem  
**mibFaultCode:** 186  
**mibFaultName:** fltMemoryUnitThermalThresholdNonCritical  
**moClass:** memory:Unit  
**Type:** environmental

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## fltMemoryUnitThermalThresholdNonRecoverable

**Fault Code:**F0188

### Message

DIMM [location] on server [chassisId]/[slotId] temperature: [thermal]DIMM [location] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** critical  
**Cause:** thermal-problem  
**mibFaultCode:** 188  
**mibFaultName:** fltMemoryUnitThermalThresholdNonRecoverable  
**moClass:** memory:Unit  
**Type:** environmental

## Pin Group-Related Faults

This section contains faults raised as a result of issues related to a pin groups in the Cisco UCS instance.

### fltFabricLanPinGroupEmpty

**Fault Code:**F0621

### Message

LAN Pin Group [name] is empty

### Explanation

This fault typically occurs when a LAN Pin Group does not contain any targets.

### Recommended Action

If you see this fault, take the following action:

---

**Step 1** Add a target to the LAN Pin Group.

---

### Fault Details

**Severity:** minor  
**Cause:** empty-pin-group

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```
mibFaultCode: 621
mibFaultName: fltFabricLanPinGroupEmpty
moClass: fabric:LanPinGroup
Type: server
```

## fltFabricSanPinGroupEmpty

**Fault Code:**F0622

### Message

SAN Pin Group [name] is empty

### Explanation

This fault typically occurs when a SAN Pin Group does not contain any targets.

### Recommended Action

If you see this fault, take the following action:

---

**Step 1** Add a target to the SAN Pin Group.

---

### Fault Details

```
Severity: minor
Cause: empty-pin-group
mibFaultCode: 622
mibFaultName: fltFabricSanPinGroupEmpty
moClass: fabric:SanPinGroup
Type: server
```

## Pool-Related Faults

This section contains faults raised as a result of issues related to a server pool, UUID suffix pool, or other pool in the Cisco UCS instance.

## fltComputePoolEmpty

**Fault Code:**F0463

### Message

server pool [name] is empty

### Explanation

This fault typically occurs when the selected server pool does not contain any servers.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** Verify the qualifier settings in the server pool policy qualifications. If the policy was modified after the server was discovered, reacknowledge the server.
- Step 2** Manually associate the service profile with a server.
- Step 3** If the server pool is not used, ignore the fault.
- Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

**Severity:** minor  
**Cause:** empty-pool  
**mibFaultCode:** 463  
**mibFaultName:** fltComputePoolEmpty  
**moClass:** compute:Pool  
**Type:** server

## fltFcpoolInitiatorsEmpty

**Fault Code:**F0476

#### Message

FC pool [purpose] [name] is empty

#### Explanation

This fault typically occurs when a WWN pool does not contain any WWNs.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the pool is in use, add a block of WWNs to the pool.
- Step 2** If the pool is not in use, ignore the fault.
- 

#### Fault Details

**Severity:** minor  
**Cause:** empty-pool  
**mibFaultCode:** 476  
**mibFaultName:** fltFcpoolInitiatorsEmpty  
**moClass:** fcpool:Initiators  
**Type:** server

## fltIppoolPoolEmpty

**Fault Code:**F0465

#### Message

IP pool [name] is empty

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### Explanation

This fault typically occurs when an IP address pool does not contain any IP addresses.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the pool is in use, add a block of IP addresses to the pool.
- Step 2** If the pool is not in use, ignore the fault.
- 

### Fault Details

**Severity:** minor  
**Cause:** empty-pool  
**mibFaultCode:** 465  
**mibFaultName:** fltIppoolPoolEmpty  
**moClass:** ippool:Pool  
**Type:** server

## fltMacpoolPoolEmpty

### Fault Code:F0466

### Message

MAC pool [name] is empty

### Explanation

This fault typically occurs when a MAC address pool does not contain any MAC addresses.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the pool is in use, add a block of MAC addresses to the pool.
- Step 2** If the pool is not in use, ignore the fault.
- 

### Fault Details

**Severity:** minor  
**Cause:** empty-pool  
**mibFaultCode:** 466  
**mibFaultName:** fltMacpoolPoolEmpty  
**moClass:** macpool:Pool  
**Type:** server

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## fltUuidpoolPoolEmpty

**Fault Code:**F0464

### Message

UUID suffix pool [name] is empty

### Explanation

This fault typically occurs when a UUID suffix pool does not contain any UUID suffixes.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the pool is in use, add a block of UUID suffixes to the pool.
- Step 2** If the pool is not in use, ignore the fault.
- 

### Fault Details

```
Severity: minor
Cause: empty-pool
mibFaultCode: 464
mibFaultName: fltUuidpoolPoolEmpty
moClass: uuidpool:Pool
Type: server
```

## Port-Related Faults

This section contains faults raised as a result of issues with one or more ports in a Cisco UCS instance.

### fltPortPloFailed

**Fault Code:**F0277

### Message

[transport] port [portId] on chassis [id] oper state: [operState], reason: [stateQual][transport] port [portId] on fabric interconnect [id] oper state: [operState], reason: [stateQual]

### Explanation

This fault is raised on the fabric interconnect port, the server facing ports on the IOM or the FEX module when the system detects an indeterminate fault.

### Recommended Action

If you see this fault, take the following actions:Execute the **show tech-support** command for UCSM and the chassis or FEX module on which fault is reported and contact Cisco Technical Support.

### Fault Details

```
Severity: major
Cause: port-failed
```



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```
mibFaultCode: 277
mibFaultName: fltPortPioFailed
moClass: port:Pio
Type: network
```

## fltPortPioHardware-failure

**Fault Code:**F0278

### Message

[transport] port [portId] on chassis [id] oper state: [operState], reason: hardware-failure[transport] port [portId] on fabric interconnect [id] oper state: [operState], reason: hardware-failure

### Explanation

This fault is raised on the fabric interconnect port, ports on the IOM or the FEX module when the system detects a hardware failure.

### Recommended Action

If you see this fault, take the following actions: Execute the **show tech-support detail** command and contact Cisco Technical Support.

### Fault Details

```
Severity: major
Cause: port-failed
mibFaultCode: 278
mibFaultName: fltPortPioHardwareFailure
moClass: port:Pio
Type: network
```

## fltPortPioInvalid-sfp

**Fault Code:**F0713

### Message

[transport] port [portId] on chassis [id] role : [ifRole] transceiver type:[xcvrType][transport] port [portId] on fabric interconnect [id] role : [ifRole] transceiver type:[xcvrType]

### Explanation

This fault is raised against a Fabric Interconnect port, network facing IOM port or a FEX module port if an unsupported transceiver type is inserted in it. The port cannot be used when it has an unsupported transceiver.

### Recommended Action

If you see this fault, take the following actions: Replace with a supported SFP type. Refer to the CCO documentation for a list of supported SFPs.

### Fault Details

```
Severity: major
Cause: unsupported-transceiver
mibFaultCode: 713
mibFaultName: fltPortPioInvalidSfp
```

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```
moClass: port:PIo
Type: network
```

## fltPortPIoLink-down

**Fault Code:**F0276

### Message

[transport] port [portId] on chassis [id] oper state: [operState], reason: [stateQual][transport] port [portId] on fabric interconnect [id] oper state: [operState], reason: [stateQual]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: major
Cause: link-down
mibFaultCode: 276
mibFaultName: fltPortPIoLinkDown
moClass: port:PIo
Type: network
```

## fltPortPIoSfp-not-present

**Fault Code:**F0279

### Message

[transport] port [portId] on chassis [id] oper state: [operState][transport] port [portId] on fabric interconnect [id] oper state: [operState]

### Explanation

When a fabric interconnect port is not in an unconfigured state, an SFP is required for its operation. This fault is raised to indicate that the SFP is missing.

### Recommended Action

If you see this fault, take the following actions: Insert an appropriate SFP. The list of supported SFPs can be found in Cisco's external website.

### Fault Details

```
Severity: info
Cause: port-failed
mibFaultCode: 279
mibFaultName: fltPortPIoSfpNotPresent
moClass: port:PIo
Type: network
```

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## Port Channel-Related Faults

This section contains faults raised as a result of issues with one or more port channels in a Cisco UCS instance.

### fltFabricFcSanPcEpIncompatibleSpeed

**Fault Code:**F0734

#### Message

Member [slotId]/[portId] cannot be added to SAN Port-Channel [portId] on fabric interconnect [id], reason: [membership]

#### Explanation

This fault typically occurs when the maximum supported FC speed of the port in the FC port-channel is incompatible with the FC port-channel admin speed.

#### Recommended Action

If you see this fault, take the following action:

---

**Step 1** Change the admin speed of the port-channel.

or

**Step 2** Replace the GEM with a one which suits the admin-speed of the port-channel.

---

#### Fault Details

**Severity:** major  
**Cause:** incompatible-speed  
**mibFaultCode:** 734  
**mibFaultName:** fltFabricFcSanPcEpIncompatibleSpeed  
**moClass:** fabric:FcSanPcEp  
**Type:** network

### fltFabricFcSanPcIncompatibleSpeed

**Fault Code:**F0735

#### Message

Cannot set admin speed to the requested value, Speed incompatible with member ports in the port-channel

#### Explanation

This fault typically occurs when the maximum supported FC speed of the port in the FC port-channel is incompatible with the FC port-channel admin speed.

#### Recommended Action

If you see this fault, take the following action:

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---

**Step 1** Change the admin speed of the port-channel.

or

**Step 2** Replace the GEM with a one which suits the admin-speed of the port-channel.

---

#### Fault Details

**Severity:** major  
**Cause:** incompatible-speed  
**mibFaultCode:** 735  
**mibFaultName:** fltFabricFcSanPcIncompatibleSpeed  
**moClass:** fabric:FcSanPc  
**Type:** network

## Power Supply-Related Faults

This section contains faults raised as a result of issues related to a power supply unit in the Cisco UCS instance.

### fltEquipmentPsuIdentity

**Fault Code:**F0407

#### Message

Power supply [id] on chassis [id] has a malformed FRUPower supply [id] on server [id] has a malformed FRU

#### Explanation

This fault typically occurs when a power supply unit has corrupted or has malformed FRU information.

#### Recommended Action

If you see this fault, take the following actions:

---

**Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.

**Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.

---

#### Fault Details

**Severity:** critical  
**Cause:** fru-problem  
**mibFaultCode:** 407  
**mibFaultName:** fltEquipmentPsuIdentity  
**moClass:** equipment:Psu  
**Type:** equipment

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## fltEquipmentPsuInoperable

**Fault Code:**F0374

### Message

Power supply [id] in chassis [id] operability: [operability]Power supply [id] in fabric interconnect [id] operability: [operability]Power supply [id] in fex [id] operability: [operability]Power supply [id] in server [id] operability: [operability]

### Explanation

This fault typically occurs when the Cisco UCS Manager detects a problem with a power supply unit in a chassis, fabric interconnect or a fex. For example, the PSU is not functional.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the power cord is properly connected to the PSU and the power source.
  - Step 2** Verify that the power source is 220 volts.
  - Step 3** Verify that the PSU is properly installed in the chassis or fabric interconnect.
  - Step 4** Remove the PSU and reinstall it.
  - Step 5** Replace the PSU.
  - Step 6** If the above actions did not resolve the issue, note down the type of PSU, execute the **show tech-support** command, and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 374  
**mibFaultName:** fltEquipmentPsuInoperable  
**moClass:** equipment:Psu  
**Type:** equipment

## fltEquipmentPsuMissing

**Fault Code:**F0378

### Message

Power supply [id] in chassis [id] presence: [presence]Power supply [id] in fabric interconnect [id] presence: [presence]Power supply [id] in fex [id] presence: [presence]Power supply [id] in server [id] presence: [presence]

### Explanation

This fault typically occurs when the Cisco UCS Manager detects a problem with a power supply unit in a chassis, fabric interconnect or a fex. For example, the PSU is missing.

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#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** If the power supply unit is physically present in the slot, remove and then reinsert it.
  - Step 3** If the power supply unit is not physically present in the slot, reinsert it.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

```
Severity: warning
Cause: equipment-missing
mibFaultCode: 378
mibFaultName: fltEquipmentPsuMissing
moClass: equipment:Psu
Type: equipment
```

## fltEquipmentPsuOffline

**Fault Code:**F0528

#### Message

Power supply [id] in chassis [id] power: [power]Power supply [id] in fabric interconnect [id] power: [power]Power supply [id] in fex [id] power: [power]Power supply [id] in server [id] power: [power]

#### Explanation

This fault typically occurs when Cisco UCS Manager detects that a power supply unit in a chassis, fabric interconnect or a fex is offline.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the power cord is properly connected to the PSU and the power source.
  - Step 2** Verify that the power source is 220 volts.
  - Step 3** Verify that the PSU is properly installed in the chassis or fabric interconnect.
  - Step 4** Remove the PSU and reinstall it.
  - Step 5** Replace the PSU.
  - Step 6** If the above actions did not resolve the issue, note down the type of PSU, execute the **show tech-support** command, and contact Cisco Technical Support.
- 

#### Fault Details

```
Severity: warning
Cause: equipment-offline
```

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```
mibFaultCode: 528
mibFaultName: fltEquipmentPsuOffline
moClass: equipment:Psu
Type: environmental
```

## fltEquipmentPsuPerfThresholdCritical

**Fault Code:**F0393

### Message

Power supply [id] in chassis [id] output power: [perf]Power supply [id] in fabric interconnect [id] output power: [perf]Power supply [id] in server [id] output power: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: major
Cause: performance-problem
mibFaultCode: 393
mibFaultName: fltEquipmentPsuPerfThresholdCritical
moClass: equipment:Psu
Type: equipment
```

## fltEquipmentPsuPerfThresholdNonCritical

**Fault Code:**F0392

### Message

Power supply [id] in chassis [id] output power: [perf]Power supply [id] in fabric interconnect [id] output power: [perf]Power supply [id] in server [id] output power: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: minor
Cause: performance-problem
mibFaultCode: 392
```

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```
mibFaultName: fltEquipmentPsuPerfThresholdNonCritical
moClass: equipment:Psu
Type: equipment
```

## fltEquipmentPsuPerfThresholdNonRecoverable

**Fault Code:**F0394

### Message

Power supply [id] in chassis [id] output power: [perf]Power supply [id] in fabric interconnect [id] output power: [perf]Power supply [id] in server [id] output power: [perf]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: performance-problem
mibFaultCode: 394
mibFaultName: fltEquipmentPsuPerfThresholdNonRecoverable
moClass: equipment:Psu
Type: equipment
```

## fltEquipmentPsuPowerSupplyProblem

**Fault Code:**F0369

### Message

Power supply [id] in chassis [id] power: [power]Power supply [id] in fabric interconnect [id] power: [power]Power supply [id] in fex [id] power: [power]Power supply [id] in server [id] power: [power]

### Explanation

This fault typically occurs when the Cisco UCS Manager detects a problem with a power supply unit in a chassis, fabric interconnect or a fex. For example, the PSU is not functional.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Verify that the power cord is properly connected to the PSU and the power source.
  - Step 2** Verify that the power source is 220 volts.
  - Step 3** Verify that the PSU is properly installed in the chassis or fabric interconnect.
  - Step 4** Remove the PSU and reinstall it.
  - Step 5** Replace the PSU.



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- Step 6** If the above actions did not resolve the issue, note down the type of PSU, execute the **show tech-support** command, and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** power-problem  
**mibFaultCode:** 369  
**mibFaultName:** fltEquipmentPsuPowerSupplyProblem  
**moClass:** equipment:Psu  
**Type:** environmental

## fltEquipmentPsuThermalThresholdCritical

**Fault Code:**F0383

### Message

Power supply [id] in chassis [id] temperature: [thermal]Power supply [id] in fabric interconnect [id] temperature: [thermal]Power supply [id] in server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** thermal-problem  
**mibFaultCode:** 383  
**mibFaultName:** fltEquipmentPsuThermalThresholdCritical  
**moClass:** equipment:Psu  
**Type:** environmental

## fltEquipmentPsuThermalThresholdNonCritical

**Fault Code:**F0381

### Message

Power supply [id] in chassis [id] temperature: [thermal]Power supply [id] in fabric interconnect [id] temperature: [thermal]Power supply [id] in server [id] temperature: [thermal]

### Explanation

None set.

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#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: minor
Cause: thermal-problem
mibFaultCode: 381
mibFaultName: fltEquipmentPsuThermalThresholdNonCritical
moClass: equipment:Psu
Type: environmental
```

## fltEquipmentPsuThermalThresholdNonRecoverable

**Fault Code:**F0385

#### Message

Power supply [id] in chassis [id] temperature: [thermal]Power supply [id] in fabric interconnect [id] temperature: [thermal]Power supply [id] in server [id] temperature: [thermal]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: critical
Cause: thermal-problem
mibFaultCode: 385
mibFaultName: fltEquipmentPsuThermalThresholdNonRecoverable
moClass: equipment:Psu
Type: environmental
```

## fltEquipmentPsuVoltageThresholdCritical

**Fault Code:**F0389

#### Message

Power supply [id] in chassis [id] voltage: [voltage]Power supply [id] in fabric interconnect [id] voltage: [voltage]Power supply [id] in fex [id] voltage: [voltage]Power supply [id] in server [id] voltage: [voltage]

#### Explanation

None set.

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#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** major  
**Cause:** voltage-problem  
**mibFaultCode:** 389  
**mibFaultName:** fltEquipmentPsuVoltageThresholdCritical  
**moClass:** equipment:Psu  
**Type:** environmental

## fltEquipmentPsuVoltageThresholdNonCritical

**Fault Code:**F0387

#### Message

Power supply [id] in chassis [id] voltage: [voltage]Power supply [id] in fabric interconnect [id] voltage: [voltage]Power supply [id] in fex [id] voltage: [voltage]Power supply [id] in server [id] voltage: [voltage]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** minor  
**Cause:** voltage-problem  
**mibFaultCode:** 387  
**mibFaultName:** fltEquipmentPsuVoltageThresholdNonCritical  
**moClass:** equipment:Psu  
**Type:** environmental

## fltEquipmentPsuVoltageThresholdNonRecoverable

**Fault Code:**F0391

#### Message

Power supply [id] in chassis [id] voltage: [voltage]Power supply [id] in fabric interconnect [id] voltage: [voltage]Power supply [id] in fex [id] voltage: [voltage]Power supply [id] in server [id] voltage: [voltage]

#### Explanation

None set.

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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

```
Severity: critical
Cause: voltage-problem
mibFaultCode: 391
mibFaultName: fltEquipmentPsuVoltageThresholdNonRecoverable
moClass: equipment:Psu
Type: environmental
```

## fltFabricExternalPcDown

**Fault Code:F0282**

### Message

[type] port-channel [portId] on fabric interconnect [id] oper state: [operState], reason: [stateQual][type]  
port-channel [portId] on fabric interconnect [id] oper state: [operState], reason: [stateQual]

### Explanation

The fabric port-channel operationally down.The Cisco UCS Manager raises this fault when any of the following scenarios occur:

- Endpoint(switch/fabric interconnect) reports that the fabric port channel operational state is down.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the member ports in the fabric port channel are admin up and operational. Check the link connectivity.
  - Step 3** If connectivity seems correct, check the operational states on the peer switch ports of the port channels members.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: operational-state-down
mibFaultCode: 282
mibFaultName: fltFabricExternalPcDown
moClass: fabric:ExternalPc
Type: network
```

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## fltFabricFcSanPcEpDown

**Fault Code:**F0728

### Message

[type] Member [slotId]/[portId] of Port-Channel [portId] on fabric interconnect [id] is down, membership: [membership]

### Explanation

This fault typically occurs when a member-port in a FC port-channel is down .

### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** Check the link connectivity on the upstream FC switch.
- 

### Fault Details

```
Severity: major
Cause: membership-down
mibFaultCode: 728
mibFaultName: fltFabricFcSanPcEpDown
moClass: fabric:FcSanPcEp
Type: network
```

## Processor-Related Faults

This section contains faults raised as a result of issues with a server processor.

## fltProcessorUnitIdentity-unestablishable

**Fault Code:**F0801

### Message

Processor [id] on server [chassisId]/[slotId] has an invalid FRUProcessor [id] on server [id] has an invalid FRU

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected unsupported CPU in the server. For example, the model, vendor, or revision is not recognized.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.

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- Step 2** Verify that the capability catalog in the Cisco UCS Manager is up-to-date. If necessary, update the catalog.
- Step 3** If the above actions did not resolve the issue, you may have unsupported CPU configuration in the server. Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** identity-unestablishable  
**mibFaultCode:** 801  
**mibFaultName:**fltProcessorUnitIdentityUnestablishable  
**moClass:** processor:Unit  
**Type:** equipment

## fltProcessorUnitInoperable

**Fault Code:**F0174

### Message

Processor [id] on server [chassisId]/[slotId] operability: [operability]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 174  
**mibFaultName:**fltProcessorUnitInoperable  
**moClass:** processor:Unit  
**Type:** equipment

## fltProcessorUnitThermalNonCritical

**Fault Code:**F0175

### Message

Processor [id] on server [chassisId]/[slotId] temperature: [thermal]Processor [id] on server [id] temperature: [thermal]

### Explanation

None set.

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### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** minor  
**Cause:** thermal-problem  
**mibFaultCode:** 175  
**mibFaultName:**fltProcessorUnitThermalNonCritical  
**moClass:** processor:Unit  
**Type:** environmental

## fltProcessorUnitThermalThresholdCritical

**Fault Code:**F0176

### Message

Processor [id] on server [chassisId]/[slotId] temperature: [thermal]Processor [id] on server [id] temperature: [thermal]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** thermal-problem  
**mibFaultCode:** 176  
**mibFaultName:**fltProcessorUnitThermalThresholdCritical  
**moClass:** processor:Unit  
**Type:** environmental

## fltProcessorUnitThermalThresholdNonRecoverable

**Fault Code:**F0177

### Message

Processor [id] on server [chassisId]/[slotId] temperature: [thermal]Processor [id] on server [id] temperature: [thermal]

### Explanation

None set.

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#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: critical
Cause: thermal-problem
mibFaultCode: 177
mibFaultName:fltProcessorUnitThermalThresholdNonRecoverable
moClass: processor:Unit
Type: environmental
```

## fltProcessorUnitVoltageThresholdCritical

**Fault Code:F0179**

#### Message

Processor [id] on server [chassisId]/[slotId] voltage: [voltage]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

```
Severity: major
Cause: voltage-problem
mibFaultCode: 179
mibFaultName:fltProcessorUnitVoltageThresholdCritical
moClass: processor:Unit
Type: environmental
```

## fltProcessorUnitVoltageThresholdNonCritical

**Fault Code:F0178**

#### Message

Processor [id] on server [chassisId]/[slotId] voltage: [voltage]

#### Explanation

None set.



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#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** minor  
**Cause:** voltage-problem  
**mibFaultCode:** 178  
**mibFaultName:** fltProcessorUnitVoltageThresholdNonCritical  
**moClass:** processor:Unit  
**Type:** environmental

## fltProcessorUnitVoltageThresholdNonRecoverable

**Fault Code:**F0180

#### Message

Processor [id] on server [chassisId]/[slotId] voltage: [voltage]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** critical  
**Cause:** voltage-problem  
**mibFaultCode:** 180  
**mibFaultName:** fltProcessorUnitVoltageThresholdNonRecoverable  
**moClass:** processor:Unit  
**Type:** environmental

## Server-Related Faults

This section contains faults raised as a result of issues related to a server.

### fltComputeBoardCmosVoltageThresholdCritical

**Fault Code:**F0424

#### Message

Possible loss of CMOS settings: CMOS battery voltage on server [chassisId]/[slotId] is [cmosVoltage]Possible loss of CMOS settings: CMOS battery voltage on server [id] is [cmosVoltage]

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#### Explanation

This fault is raised when CMOS battery voltage has gone lower than normal operating range. This could impact clock and other CMOS settings.

#### Recommended Action

If you see this fault, take the following actions: Replace the battery.

#### Fault Details

```
Severity: minor
Cause: voltage-problem
mibFaultCode: 424
mibFaultName: fltComputeBoardCmosVoltageThresholdCritical
moClass: compute:Board
Type: environmental
```

### fltComputeBoardCmosVoltageThresholdNonRecoverable

**Fault Code:**F0425

#### Message

Possible loss of CMOS settings: CMOS battery voltage on server [chassisId]/[slotId] is [cmosVoltage]Possible loss of CMOS settings: CMOS battery voltage on server [id] is [cmosVoltage]

#### Explanation

This fault is raised when CMOS battery voltage has gone quite low and is unlikely to recover. This will impact clock and other CMOS settings.

#### Recommended Action

If you see this fault, take the following actions: Replace the battery.

#### Fault Details

```
Severity: major
Cause: voltage-problem
mibFaultCode: 425
mibFaultName: fltComputeBoardCmosVoltageThresholdNonRecoverable
moClass: compute:Board
Type: environmental
```

### fltComputeBoardPowerError

**Fault Code:**F0310

#### Message

Motherboard of server [chassisId]/[slotId] (service profile: [assignedToDn]) power: [operPower]Motherboard of server [id] (service profile: [assignedToDn]) power: [operPower]

#### Explanation

This fault typically occurs when the server power sensors have detected a problem.

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### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Make sure that the server is correctly installed in the chassis and that all cables are secure.
  - Step 3** If you reinstalled the server, reacknowledge it.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: power-problem
mibFaultCode: 310
mibFaultName: fltComputeBoardPowerError
moClass: compute:Board
Type: environmental
```

## fltComputeIOHubThermalNonCritical

**Fault Code:**F0538

### Message

IO Hub on server [chassisId]/[slotId] temperature: [thermal]

### Explanation

This fault is raised when the IO controller temperature is outside the upper or lower non-critical threshold.

### Recommended Action

If you see this fault, take the following actions: Monitor other environmental events related to this server and ensure the temperature ranges are within recommended ranges.

### Fault Details

```
Severity: minor
Cause: thermal-problem
mibFaultCode: 538
mibFaultName: fltComputeIOHubThermalNonCritical
moClass: compute:IOHub
Type: environmental
```

## fltComputeIOHubThermalThresholdCritical

**Fault Code:**F0539

### Message

IO Hub on server [chassisId]/[slotId] temperature: [thermal]

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#### Explanation

This fault is raised when the IO controller temperature is outside the upper or lower critical threshold.

#### Recommended Action

If you see this fault, take the following actions: Monitor other environmental events related to this server and ensure the temperature ranges are within recommended ranges. Consider turning off the server for a while if possible.

#### Fault Details

**Severity:** major  
**Cause:** thermal-problem  
**mibFaultCode:** 539  
**mibFaultName:** fltComputeIOHubThermalThresholdCritical  
**moClass:** compute:IOHub  
**Type:** environmental

### fltComputeIOHubThermalThresholdNonRecoverable

**Fault Code:**F0540

#### Message

IO Hub on server [chassisId]/[slotId] temperature: [thermal]

#### Explanation

This fault is raised when the IO controller temperature is outside the recoverable range of operation.

#### Recommended Action

If you see this fault, take the following actions: Shutdown server immediately. Contact Cisco Technical Support.

#### Fault Details

**Severity:** critical  
**Cause:** thermal-problem  
**mibFaultCode:** 540  
**mibFaultName:** fltComputeIOHubThermalThresholdNonRecoverable  
**moClass:** compute:IOHub  
**Type:** environmental

### fltComputePhysicalAssignedInaccessible

**Fault Code:**F0322

#### Message

Server [id] (service profile: [assignedToDn]) inaccessibleServer [chassisId]/[slotId] (service profile: [assignedToDn]) inaccessible

#### Explanation

This fault typically occurs when the server, which is associated with a service profile, has lost connection to the fabric interconnects. This fault occurs if there are communication issues between CIMC and the fabric interconnects.

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### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Wait a few minutes to see if the fault clears. This is typically a temporary issue, and can occur after a firmware upgrade.
  - Step 2** If the fault does not clear after a brief time, remove the server and then reinsert it.
  - Step 3** Reacknowledge the server.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: minor
Cause: equipment-inaccessible
mibFaultCode: 322
mibFaultName: fltComputePhysicalAssignedInaccessible
moClass: compute:Physical
Type: equipment
```

## fltComputePhysicalAssignedMissing

**Fault Code:**F0319

### Message

Server [id] (service profile: [assignedToDn]) missingServer [chassisId]/[slotId] (service profile: [assignedToDn]) missing

### Explanation

This fault typically occurs when the server, which is associated with a service profile, was previously physically inserted in the slot, but cannot be detected by the Cisco UCS Manager.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** If the server is physically present in the slot, remove and then reinsert it.
  - Step 3** If the server is not physically present in the slot, reinsert it.
  - Step 4** Reacknowledge the server.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: equipment-missing
mibFaultCode: 319
```

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```
mibFaultName: fltComputePhysicalAssignedMissing
moClass: compute:Physical
Type: equipment
```

## fltComputePhysicalAssociationFailed

**Fault Code:F0315**

### Message

Service profile [assignedToDn] failed to associate with server [id]Service profile [assignedToDn] failed to associate with server [chassisId]/[slotId]

### Explanation

This fault typically occurs for one of the following reasons:

- The service profile could not be associated with the server.
- The server is down.
- The data path is not working.
- The Cisco UCS Manager cannot communicate with one or more of the fabric interconnect, the server, or a component on the server.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the FSM tab and the current state of the server and any FSM operations.
- Step 3** If the server is stuck in an inappropriate state, such as booting, power-cycle the server.
- Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: association-failed
mibFaultCode: 315
mibFaultName: fltComputePhysicalAssociationFailed
moClass: compute:Physical
Type: configuration
```

## fltComputePhysicalBiosPostTimeout

**Fault Code:F0313**

### Message

Server [id] (service profile: [assignedToDn]) BIOS failed power-on self testServer [chassisId]/[slotId] (service profile: [assignedToDn]) BIOS failed power-on self test

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### Explanation

This fault typically occurs when the server has encountered a diagnostic failure.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the POST results for the server. In the Cisco UCS Manager GUI, you can access the POST results from the General tab for the server. In the Cisco UCS Manager CLI, you can access the POST results through the **show post** command under the scope for the server.
  - Step 3** Reacknowledge the server.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: equipment-inoperable
mibFaultCode: 313
mibFaultName: fltComputePhysicalBiosPostTimeout
moClass: compute:Physical
Type: equipment
```

## fltComputePhysicalDiscoveryFailed

**Fault Code:**F0314

### Message

Server [id] (service profile: [assignedToDn]) discovery: [discovery]Server [chassisId]/[slotId] (service profile: [assignedToDn]) discovery: [discovery]

### Explanation

This fault typically occurs for one of the following reasons:

- The shallow discovery that occurs when the server associated with the service profile failed.
- The server is down.
- The data path is not working.
- Cisco UCS Manager cannot communicate with the BMC on the server.
- The server cannot communicate with the fabric interconnect.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the FSM tab and the current state of the server and any FSM operations.

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- Step 3** Check the error descriptions and see if any server components indicate a failure.
- Step 4** If the server or a server component has failed, do the following:
- a. Check the operational state of the server.
  - b. If the server is not operable, re-acknowledge the server.
- Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: discovery-failed
mibFaultCode: 314
mibFaultName: fltComputePhysicalDiscoveryFailed
moClass: compute:Physical
Type: operational
```

## fltComputePhysicalIdentityUnestablishable

**Fault Code:**F0306

### Message

Server [id] (service profile: [assignedToDn]) has an invalid FRUServer [chassisId]/[slotId] (service profile: [assignedToDn]) has an invalid FRU

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected an unsupported server or CPU.

### Recommended Action

If you see this fault, take the following actions:

- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Verify that a supported server and/or CPU is installed.
- Step 3** Verify that the Cisco UCS Manager capability catalog is up-to-date.
- Step 4** Reacknowledge the server.
- Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: minor
Cause: identity-unestablishable
mibFaultCode: 306
mibFaultName: fltComputePhysicalIdentityUnestablishable
moClass: compute:Physical
Type: equipment
```



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## fltComputePhysicalInoperable

**Fault Code:**F0317

### Message

Server [id] (service profile: [assignedToDn]) health: [operability]Server [chassisId]/[slotId] (service profile: [assignedToDn]) health: [operability]

### Explanation

This fault typically occurs when the server has encountered a diagnostic failure.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the POST results for the server. In Cisco UCS Manager GUI, you can access the POST results from the General tab for the server. In Cisco UCS Manager CLI, you can access the POST results through the **show post** command under the scope for the server.
  - Step 3** Reacknowledge the server.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 317  
**mibFaultName:** fltComputePhysicalInoperable  
**moClass:** compute:Physical  
**Type:** equipment

## fltComputePhysicalInsufficientlyEquipped

**Fault Code:**F0305

### Message

Server [id] (service profile: [assignedToDn]) has insufficient number of DIMMs, CPUs and/or adaptersServer [chassisId]/[slotId] (service profile: [assignedToDn]) has insufficient number of DIMMs, CPUs and/or adapters

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected that the server has an insufficient number of DIMMs, CPUs and/or adapter.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the DIMMs are installed in a supported configuration.
  - Step 3** Verify that an adapter and CPU are installed.
  - Step 4** Reacknowledge the server.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: minor
Cause: insufficiently-equipped
mibFaultCode: 305
mibFaultName: fltComputePhysicalInsufficientlyEquipped
moClass: compute:Physical
Type: equipment
```

## fltComputePhysicalPost-failure

**Fault Code:**F0517

### Message

Server [id] POST or diagnostic failureServer [chassisId]/[slotId] POST or diagnostic failure

### Explanation

This fault typically occurs when the server has encountered a diagnostic failure or an error during POST.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the POST results for the server.In Cisco UCS Manager GUI, you can access the POST results from the General tab for the server. In Cisco UCS Manager CLI, you can access the POST results through the **show post** command under the scope for the server.
  - Step 3** Reboot the server.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: equipment-problem
mibFaultCode: 517
mibFaultName: fltComputePhysicalPostFailure
moClass: compute:Physical
Type: server
```

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## fltComputePhysicalPowerProblem

**Fault Code:**F0311

### Message

Server [id] (service profile: [assignedToDn]) oper state: [operState]Server [chassisId]/[slotId] (service profile: [assignedToDn]) oper state: [operState]

### Explanation

This fault typically occurs when the server power sensors have detected a problem.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Make sure that the server is correctly installed in the chassis and that all cables are secure.
  - Step 3** If you reinstalled the server, reacknowledge it.
  - Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** power-problem  
**mibFaultCode:** 311  
**mibFaultName:** fltComputePhysicalPowerProblem  
**moClass:** compute:Physical  
**Type:** environmental

## fltComputePhysicalThermalProblem

**Fault Code:**F0312

### Message

Server [id] (service profile: [assignedToDn]) oper state: [operState]Server [chassisId]/[slotId] (service profile: [assignedToDn]) oper state: [operState]

### Explanation

This fault typically occurs when the server thermal sensors have detected a problem.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Make sure that the server fans are working properly.

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- Step 3** Wait for 24 hours to see if the problem resolves itself.
- Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: major
Cause: thermal-problem
mibFaultCode: 312
mibFaultName: fltComputePhysicalThermalProblem
moClass: compute:Physical
Type: environmental
```

## **fltComputePhysicalUnassignedInaccessible**

**Fault Code:**F0321

### **Message**

Server [id] (no profile) inaccessibleServer [chassisId]/[slotId] (no profile) inaccessible

### **Explanation**

This fault typically occurs when the server, which is not associated with a service profile, has lost connection to the fabric interconnects. This fault occurs if there are communication issues between CIMC and the fabric interconnects.

### **Recommended Action**

If you see this fault, take the following actions:

- Step 1** Wait a few minutes to see if the fault clears. This is typically a temporary issue, and can occur after a firmware upgrade.
- Step 2** If the fault does not clear after a brief time, remove the server and then reinsert it.
- Step 3** Reacknowledge the server.
- Step 4** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: warning
Cause: equipment-inaccessible
mibFaultCode: 321
mibFaultName: fltComputePhysicalUnassignedInaccessible
moClass: compute:Physical
Type: equipment
```

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## fltComputePhysicalUnassignedMissing

**Fault Code:**F0318

### Message

Server [id] (no profile) missingServer [chassisId]/[slotId] (no profile) missing

### Explanation

This fault typically occurs when the server, which is not associated with a service profile, was previously physically inserted in the slot, but cannot be detected by the Cisco UCS Manager.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** If the server is physically present in the slot, remove and then reinsert it.
  - Step 3** If the server is not physically present in the slot, reinsert it.
  - Step 4** Reacknowledge the server.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** minor  
**Cause:** equipment-missing  
**mibFaultCode:** 318  
**mibFaultName:** fltComputePhysicalUnassignedMissing  
**moClass:** compute:Physical  
**Type:** equipment

## fltComputePhysicalUnidentified

**Fault Code:**F0320

### Message

Server [id] (service profile: [assignedToDn]) has an invalid FRU: [presence]Server [chassisId]/[slotId] (service profile: [assignedToDn]) has an invalid FRU: [presence]

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected an unsupported server or CPU.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.

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- Step 2** Verify that a supported server and/or CPU is installed.
  - Step 3** Verify that the Cisco UCS Manager capability catalog is up-to-date.
  - Step 4** Reacknowledge the server.
  - Step 5** If the above actions did not resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

**Severity:** minor  
**Cause:** identity-unestablishable  
**mibFaultCode:** 320  
**mibFaultName:** fltComputePhysicalUnidentified  
**moClass:** compute:Physical  
**Type:** equipment

## **fltComputeRtcBatteryInoperable**

**Fault Code:**F0533

### **Message**

RTC Battery on server [chassisId]/[slotId] operability: [operability]

### **Explanation**

This fault is raised when CMOS battery voltage is below normal operating range. This will impact system clock.

### **Recommended Action**

If you see this fault, take the following actions: Replace the CMOS battery.

### **Fault Details**

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 533  
**mibFaultName:** fltComputeRtcBatteryInoperable  
**moClass:** compute:RtcBattery  
**Type:** equipment

## **fltMgmtIfMisConnect**

**Fault Code:**F0688

### **Message**

Management Port [id] in server [id] is mis connected

### **Explanation**

This fault occurs on server and fex connectivity change.

### **Recommended Action**

If you see this fault, take the following actions:

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- 
- Step 1** Check the connectivity between server and fex and if changed by mistake then make it same as before.
  - Step 2** If intended, then reactnowledge the server.
  - Step 3** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** link-misconnected  
**mibFaultCode:** 688  
**mibFaultName:** fltMgmtIfMisConnect  
**moClass:** mgmt:If  
**Type:** operational

## fltMgmtIfMissing

### Fault Code:F0717

#### Message

Connection to Management Port [id] in server [id] is missing

#### Explanation

This fault occurs when connectivity between server and fex connectivity is removed.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the connectivity between server and fex and if changed by mistake then make it the same as before.
  - Step 2** If intended, then reactnowledge the server.
  - Step 3** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** warning  
**Cause:** link-missing  
**mibFaultCode:** 717  
**mibFaultName:** fltMgmtIfMissing  
**moClass:** mgmt:If  
**Type:** operational

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## fltMgmtIfNew

**Fault Code:**F0772

### Message

New connection discovered on Management Port [id] in server [id]

### Explanation

This fault occurs when new connectivity is added between server and fex.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the connectivity between server and fex and if changed by mistake then make it same as before.
  - Step 2** If intended, then reacknowledge the server.
  - Step 3** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: new-link
mibFaultCode: 772
mibFaultName: fltMgmtIfNew
moClass: mgmt:If
Type: operational
```

## fltPowerBudgetChassisPsuInsufficient

**Fault Code:**F0764

### Message

Chassis [id] has had PSU failures. Please correct the problem by checking input power or replace the PSU

### Explanation

This fault typically occurs when atleast 2 PSU are not powered on.

### Recommended Action

If you see this fault, take the following actions:Consider adding and powering 2 PSU.

### Fault Details

```
Severity: major
Cause: psu-failure
mibFaultCode: 764
mibFaultName: fltPowerBudgetChassisPsuInsufficient
moClass: power:Budget
Type: environmental
```



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## fltPowerBudgetFirmwareMismatch

**Fault Code:**F0798

### Message

Firmware on blade [chassisId]/[slotId] does not allow chassis level power capping. Please consider upgrading to atleast 1.4 version

### Explanation

This fault typically occurs when CIMC or BIOS firmware is older than 1.4.

### Recommended Action

If you see this fault, take the following actions:Consider upgrading to 1.4 or higher version.

### Fault Details

**Severity:** major  
**Cause:** old-firmware  
**mibFaultCode:** 798  
**mibFaultName:** fltPowerBudgetFirmwareMismatch  
**moClass:** power:Budget  
**Type:** environmental

## fltPowerBudgetPowerBudgetBmcProblem

**Fault Code:**F0637

### Message

Power cap application failed for server [chassisId]/[slotId]Power cap application failed for server [id]

### Explanation

This fault typically occurs when CIMC or BIOS has failed to enforce powercap.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the power consumption of blade. If consumption is significantly greater than power cap, switch to manual per blade cap. If consumption is still high, it indicates faulty cimc or bios software.
- Step 2** Execute **show tech-support** command for UCSM and chassis and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** power-cap-fail  
**mibFaultCode:** 637  
**mibFaultName:** fltPowerBudgetPowerBudgetBmcProblem  
**moClass:** power:Budget  
**Type:** environmental

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## fltPowerBudgetPowerBudgetCmcProblem

**Fault Code:**F0635

### Message

Power cap application failed for chassis [id]

### Explanation

This fault typically occurs when CMC has failed to enforce power cap.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Check the power consumption of chassis. If consumption is significantly greater than power cap, consider reducing the group cap so that other chassis consumption can be reduced to make up for the increase.
- Step 2** Execute **show tech-support** command for UCSM and chassis and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** power-cap-fail  
**mibFaultCode:** 635  
**mibFaultName:** fltPowerBudgetPowerBudgetCmcProblem  
**moClass:** power:Budget  
**Type:** environmental

## fltPowerBudgetPowerBudgetDiscFail

**Fault Code:**F0640

### Message

Insufficient power available to discover server [chassisId]/[slotId]Insufficient power available to discover server [id]

### Explanation

This fault typically occurs when discovery fails due to unavailable power in the group.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Consider increasing the group cap.
- Step 2** Another option is to reduce the blades or chassis in the system.
- 

### Fault Details

**Severity:** major  
**Cause:** power-cap-fail

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```
mibFaultCode: 640
mibFaultName: fltPowerBudgetPowerBudgetDiscFail
moClass: power:Budget
Type: environmental
```

## fltPowerBudgetPowerCapReachedCommit

**Fault Code:**F0744

### Message

P-State lowered as consumption hit power cap for server [chassisId]/[slotId]P-State lowered as consumption hit power cap for server [id]

### Explanation

This fault typically occurs when bladed is being actively capped.

### Recommended Action

If you see this fault, take the following actions:No action is needed.

### Fault Details

```
Severity: info
Cause: power-consumption-hit-limit
mibFaultCode: 744
mibFaultName: fltPowerBudgetPowerCapReachedCommit
moClass: power:Budget
Type: environmental
```

## fltPowerBudgetTStateTransition

**Fault Code:**F0765

### Message

Blade [chassisId]/[slotId] has been severely throttled. CIMC can recover if budget is redeployed to the blade or by rebooting the blade. If problem persists, please ensure that OS is ACPI compliantRack server [id] has been severely throttled. CIMC can recover if budget is redeployed to the blade or by rebooting the blade. If problem persists, please ensure that OS is ACPI compliant

### Explanation

This fault typically occurs when processor T-state are used to severely throttle the CPU.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Redeploy budget for the particular group/blade/chassis.
- Step 2** If problem persists, reboot the blade.
- 

### Fault Details

```
Severity: critical
```

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**Cause:** no-ack-from-bios  
**mibFaultCode:** 765  
**mibFaultName:** fltPowerBudgetTStateTransition  
**moClass:** power:Budget  
**Type:** environmental

## fltPowerChassisMemberChassisFirmwareProblem

**Fault Code:**F0741

### Message

Chassis [id] cannot be capped as atleast one of the CMC or CIMC firmware version is less than 1.4. Please upgrade the firmware for cap to be applied.

### Explanation

This fault typically occurs when CMC firmware is older than 1.4.

### Recommended Action

If you see this fault, take the following actions:Consider upgrading to 1.4 or higher version.

### Fault Details

**Severity:** major  
**Cause:** old-chassis-component-firmware  
**mibFaultCode:** 741  
**mibFaultName:** fltPowerChassisMemberChassisFirmwareProblem  
**moClass:** power:ChassisMember  
**Type:** environmental

## fltPowerChassisMemberChassisPsuInsufficient

**Fault Code:**F0742

### Message

Chassis [id] cannot be capped as atleast two PSU need to be powered

### Explanation

This fault typically occurs when atleast 2 PSU are not powered on.

### Recommended Action

If you see this fault, take the following actions:Consider adding and powering 2 PSU.

### Fault Details

**Severity:** major  
**Cause:** psu-insufficient  
**mibFaultCode:** 742  
**mibFaultName:** fltPowerChassisMemberChassisPsuInsufficient  
**moClass:** power:ChassisMember  
**Type:** environmental

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## fltPowerChassisMemberChassisPsuRedundanceFailure

**Fault Code:**F0743

### Message

Chassis [id] was configured for redundancy, but running in a non-redundant configuration.

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

### Fault Details

**Severity:** major  
**Cause:** psu-redundancy-fail  
**mibFaultCode:** 743  
**mibFaultName:** fltPowerChassisMemberChassisPsuRedundanceFailure  
**moClass:** power:ChassisMember  
**Type:** environmental

## fltPowerChassisMemberPowerGroupCapInsufficient

**Fault Code:**F0740

### Message

Chassis [id] cannot be capped as group cap is low. Please consider raising the cap.

### Explanation

This fault typically occurs when updated group cap is insufficient for minimum hardware requirements. The newly added chassis to the group will not be capped as a result.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Consider increasing the group cap.
- Step 2** Another option is to reduce the blades or chassis in the system.
- 

### Fault Details

**Severity:** major  
**Cause:** group-cap-insufficient  
**mibFaultCode:** 740  
**mibFaultName:** fltPowerChassisMemberPowerGroupCapInsufficient  
**moClass:** power:ChassisMember  
**Type:** environmental

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## fltPowerGroupPowerGroupBudgetIncorrect

**Fault Code:**F0643

### Message

admin committed insufficient for power group [name], using previous value [operCommitted]

### Explanation

This fault typically occurs when updated group cap is insufficient for minimum hardware requirements. The previously entered cap will be used for provisioning.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Consider increasing the group cap.
  - Step 2** Another option is to reduce the blades or chassis in the system.
- 

### Fault Details

**Severity:** major  
**Cause:** power-cap-fail  
**mibFaultCode:** 643  
**mibFaultName:** fltPowerGroupPowerGroupBudgetIncorrect  
**moClass:** power:Group  
**Type:** environmental

## fltPowerGroupPowerGroupInsufficientBudget

**Fault Code:**F0642

### Message

insufficient budget for power group [name]

### Explanation

This fault typically occurs when group cap is insufficient for minimum hardware requirements.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** Consider increasing the group cap.
  - Step 2** Another option is to reduce the blades or chassis in the system.

### Fault Details

**Severity:** major  
**Cause:** power-cap-fail  
**mibFaultCode:** 642  
**mibFaultName:** fltPowerGroupPowerGroupInsufficientBudget  
**moClass:** power:Group  
**Type:** environmental

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## fltPowerPolicyPowerPolicyApplicationFail

**Fault Code:**F0766

### Message

Insufficient budget to apply no-cap priority through policy [name]. Blades will continue to be capped.

### Explanation

Power Policy application on blades failed Cisco UCS Manager raises this fault when any of the following scenario occur:

- Blades will not be able to operate normally without power capping due to the limited power budget on the blades.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Increase the power budget for the blades.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** minor  
**Cause:** no-cap-fail  
**mibFaultCode:** 766  
**mibFaultName:** fltPowerPolicyPowerPolicyApplicationFail  
**moClass:** power:Policy  
**Type:** environmental

## fltStorageLocalDiskInoperable

**Fault Code:**F0181

### Message

Local disk [id] on server [chassisId]/[slotId] operability: [operability]Local disk [id] on server [id] operability: [operability]

### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

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#### Fault Details

**Severity:** major  
**Cause:** equipment-inoperable  
**mibFaultCode:** 181  
**mibFaultName:** fltStorageLocalDiskInoperable  
**moClass:** storage:LocalDisk  
**Type:** equipment

## fltStorageLocalDiskSlotEpUnusable

**Fault Code:**F0776

#### Message

Local disk [id] on server [serverId] is not usable by the operating system

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** minor  
**Cause:** equipment-inoperable  
**mibFaultCode:** 776  
**mibFaultName:** fltStorageLocalDiskSlotEpUnusable  
**moClass:** storage:LocalDiskSlotEp  
**Type:** equipment

## fltStorageRaidBatteryInoperable

**Fault Code:**F0531

#### Message

RAID Battery on server [chassisId]/[slotId] operability: [operability]RAID Battery on server [id] operability: [operability]

#### 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 *Release Notes for Cisco UCS Manager* and the *Cisco UCS Troubleshooting Guide*. If you cannot resolve the issue, execute the **show tech-support** command and contact Cisco Technical Support.

#### Fault Details

**Severity:** major



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```
Cause: equipment-inoperable
mibFaultCode: 531
mibFaultName: fltStorageRaidBatteryInoperable
moClass: storage:RaidBattery
Type: equipment
```

## Service Profile-Related Faults

This section contains faults raised as a result of issues related to the service profile associated with a server.

### fltLsComputeBindingAssignmentRequirementsNotMet

**Fault Code:**F0689

#### Message

Assignment of service profile [name] to server [pnDn] failed

#### Explanation

The server could not be assigned to the service profile. This fault typically occurs as a result of one of the following issues:

- The selected server doesn't meet the requirements of the service profile.
- In case restricted migration was chosen, the selected server doesn't match the currently or previously assigned server.

#### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** Select a different server that meets the requirements of the service profile or matches the currently or previously assigned server
- 

#### Fault Details

```
Severity: minor
Cause: assignment-failed
mibFaultCode: 689
mibFaultName: fltLsComputeBindingAssignmentRequirementsNotMet
moClass: ls:ComputeBinding
Type: server
```

### fltLsServerAssociationFailed

**Fault Code:**F0332

#### Message

Service profile [name] association failed for [pnDn]

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### Explanation

The service profile could not be associated with the server. This fault typically occurs because the Cisco UCS Manager cannot communicate with one or more of the following:

- Fabric interconnect
- BMC on the server
- SAS controller driver
- Server

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the FSM tab for the server and service profile to determine why the association failed.
- Step 3** If the server is stuck in an inappropriate state, such as booting, power cycle the server.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: association-failed
mibFaultCode: 332
mibFaultName: fltLsServerAssociationFailed
moClass: ls:Server
Type: server
```

## fltLsServerConfigFailure

**Fault Code:**F0327

### Message

Service profile [name] configuration failed due to [configQualifier]

### Explanation

The named configuration qualifier is not available. This fault typically occurs because the Cisco UCS Manager cannot successfully deploy the service profile due to a lack of resources that meet the named qualifier. For example, this fault can occur if:

- The service profile is configured for a server adapter with vHBAs, and the adapter on the server does not support vHBAs.
- The local disk configuration policy in the service profile specifies the No Local Storage mode, but the server contains local disks.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the state of the server and ensure that it is in either the discovered or unassociated state.
- Step 3** If the server is associated or undiscovered, do one of the following:
- Discover the server.
  - Disassociate the server from the current service profile.
  - Select another server to associate with the service profile.
- Step 4** Review each policy in the service profile and verify that the selected server meets the requirements in the policy.
- Step 5** If the server does not meet the requirements of the service profile, do one of the following:
- Modify the service profile to match the server.
  - Select another server that does meet the requirements to associate with the service profile.
- Step 6** If you can verify that the server meets the requirements of the service profile, execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: configuration-failure
mibFaultCode: 327
mibFaultName: fltLsServerConfigFailure
moClass: ls:Server
Type: server
```

## fltLsServerDiscoveryFailed

**Fault Code:**F0326

### Message

Service profile [name] discovery failed

### Explanation

The shallow discovery that occurs when the server associated with service profile fails. If the server is up and the data path is working, this fault typically occurs as a result of one of the following issues:

- The Cisco UCS Manager cannot communicate with the BMC on the server.
- The server cannot communicate with the fabric interconnect.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the FSM tab and view the current state of the server and any FSM operations.
- Step 3** Check the error descriptions and see if any server components indicate a failure.

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- Step 4** If the server or a server component has failed, do the following:
- a. Check the operational state of the server.
  - b. If the server is not operable, re-acknowledge the server.
- Step 5** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: discovery-failed
mibFaultCode: 326
mibFaultName: fltLsServerDiscoveryFailed
moClass: ls:Server
Type: server
```

## fltLsServerFailed

### Fault Code:F0324

### Message

Service profile [name] failed

### Explanation

The server has failed.This fault typically occurs if the adapter power on self-test results in major and critical errors.

### Recommended Action

If you see this fault, take the following actions:

- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the POST results for the server.In the Cisco UCS Manager GUI, you can access the POST results from the General tab for the server. In the Cisco UCS Manager CLI, you can access the POST results through the **show post** command under the scope for the server.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: server-failed
mibFaultCode: 324
mibFaultName: fltLsServerFailed
moClass: ls:Server
Type: server
```

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## fltLsServerInaccessible

**Fault Code:**F0331

### Message

Service profile [name] cannot be accessed

### Explanation

The Cisco UCS Manager cannot communicate with the BMC on the server. This fault typically occurs as a result of one of the following issues:

- The server port or ports have failed.
- The I/O module is offline.
- The BMC has failed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** If Cisco UCS Manager shows that the BMC is down, physically reset the server.
- Step 3** If the Cisco UCS Manager shows that the server ports have failed, attempt to enable them.
- Step 4** If the I/O module is offline, check for faults on that component.
- Step 5** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

**Severity:** major  
**Cause:** server-inaccessible  
**mibFaultCode:** 331  
**mibFaultName:** fltLsServerInaccessible  
**moClass:** ls:Server  
**Type:** server

## fltLsServerMaintenanceFailed

**Fault Code:**F0329

### Message

Service profile [name] maintenance failed

### Explanation

The Cisco UCS Manager currently does not use this fault.

### Recommended Action

If you see this fault, take the following actions:

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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: maintenance-failed
mibFaultCode: 329
mibFaultName: fltLsServerMaintenanceFailed
moClass: ls:Server
Type: server
```

## fltLsServerRemoved

**Fault Code:**F0330

### Message

Service profile [name] underlying resource removed

### Explanation

The Cisco UCS Manager cannot access the server associated with the service profile. This fault typically occurs as a result of one of the following issues:

- The server has been physically removed from the slot.
- The server is not available.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** If the server was removed from the slot, reinsert the server in the slot.
- Step 3** If the server was not removed, remove and reinsert the server. **NOTE:** If the server is operable, this action can be disruptive to current operations.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: equipment-removed
mibFaultCode: 330
mibFaultName: fltLsServerRemoved
moClass: ls:Server
Type: server
```

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## fltLsServerServer-unfulfilled

**Fault Code:**F0337

### Message

Server [pnDn] does not fulfill Service profile [name] due to [configQualifier]

### Explanation

The server no longer meets the qualification requirements of the service profile. This fault typically occurs as a result of one of the following issues:

- The server has been physically changed.
- A required component of the server has failed.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the server inventory compare to the service profile qualifications.
- Step 3** If the server inventory does not match the service profile qualifications, do one of the following:
- Associate the server with a different service profile.
  - Ensure the server has sufficient resources to qualify for the current service profile.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: warning
Cause: server-failed
mibFaultCode: 337
mibFaultName: fltLsServerServerUnfulfilled
moClass: ls:Server
Type: server
```

## fltLsServerUnassociated

**Fault Code:**F0334

### Message

Service profile [name] is not associated

### Explanation

The service profile has not yet been associated with a server or a server pool. This fault typically occurs as a result of one of the following issues:

- There is no acceptable server in the server pool.
- The association failed.

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### **Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** If you did not intend to associate the service profile, ignore the fault.
  - Step 3** If you did intend to associate the service profile, check the association failure fault.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: warning
Cause: unassociated
mibFaultCode: 334
mibFaultName: fltLsServerUnassociated
moClass: ls:Server
Type: server
```

## **fltLsmaintMaintPolicyUnresolvableScheduler**

**Fault Code:**F0795

### **Message**

Schedule [schedName] referenced by maintenance policy [name] does not exist

### **Explanation**

The schedule that is referenced by the maintenance policy does not exist. This fault typically occurs as a result of one of the following issues:

- The schedule does not exist.
- The schedule was deleted.

### **Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check if the named schedule exists. If it is deleted or missing, try to create it.
  - Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### **Fault Details**

```
Severity: warning
Cause: non-existent-scheduler
mibFaultCode: 795
mibFaultName: fltLsmaintMaintPolicyUnresolvableScheduler
moClass: lsmaint:MaintPolicy
Type: server
```



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## System Event Log-Related Faults

This section contains faults raised as a result of issues related to the system event log (SEL) in the Cisco UCS instance.

### fltSysdebugAutoCoreFileExportTargetAutoCoreTransferFailure

**Fault Code:**F0747

#### Message

Auto core transfer failure at remote server [hostname]:[path] [exportFailureReason]

#### Explanation

Cisco UCS Manager cannot transfer core file to remote tftp server. This fault typically occurs as a result of one of the following issues:

- The remote server is not accessible.
- The parameters as specified in the core-export-target, such as path,port andserver-name, are incorrect.

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Verify the connectivity to the remote server.
- Step 3** Verify the path information of the remote server.
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

**Severity:** warning  
**Cause:** tftp-server-error  
**mibFaultCode:** 747  
**mibFaultName:** fltSysdebugAutoCoreFileExportTargetAutoCoreTransferFailure  
**moClass:** sysdebug:AutoCoreFileExportTarget  
**Type:** sysdebug

### fltSysdebugMEpLogMEpLogFull

**Fault Code:**F0462

#### Message

Log capacity on [side] IOM [chassisId]/[id] is [capacity]Log capacity on Management Controller on server [chassisId]/[slotId] is [capacity]Log capacity on Management Controller on server [id] is [capacity]

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**Explanation**

This fault typically occurs because the Cisco UCS Manager could not transfer the SEL file to the location specified in the SEL policy.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Verify the configuration of the SEL policy to ensure that the location, user, and password provided are correct.
  - Step 2** This is an info level fault and can be ignored if you do not want to clear the SEL at this time.
  - Step 3** If this does not resolve the problem, execute the **show tech-support** command and contact Cisco Technical Support.
- 

**Fault Details**

```
Severity: info
Cause: log-capacity
mibFaultCode: 462
mibFaultName: fltSysdebugMEpLogMEpLogFull
moClass: sysdebug:MEpLog
Type: operational
```

## fltSysdebugMEpLogMEpLogLog

**Fault Code:F0460**

**Message**

Log capacity on [side] IOM [chassisId]/[id] is [capacity]Log capacity on Management Controller on server [chassisId]/[slotId] is [capacity]Log capacity on Management Controller on server [id] is [capacity]

**Explanation**

This fault typically occurs because the Cisco UCS Manager has detected that the system event log (SEL) on the server is approaching full capacity. The available capacity in the log is low.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** If desired, clear the SEL in the Cisco UCS Manager.
  - Step 2** This is an info level fault and can be ignored if you do not want to clear the SEL at this time.
- 

**Fault Details**

```
Severity: info
Cause: log-capacity
mibFaultCode: 460
mibFaultName: fltSysdebugMEpLogMEpLogLog
moClass: sysdebug:MEpLog
Type: operational
```

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## fltSysdebugMEpLogMEpLogVeryLow

**Fault Code:**F0461

### Message

Log capacity on [side] IOM [chassisId]/[id] is [capacity]Log capacity on Management Controller on server [chassisId]/[slotId] is [capacity]Log capacity on Management Controller on server [id] is [capacity]

### Explanation

This fault typically occurs because the Cisco UCS Manager has detected that the system event log (SEL) on the server is almost full. The available capacity in the log is very low.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If desired, clear the SEL in the Cisco UCS Manager.
- Step 2** This is an info level fault and can be ignored if you do not want to clear the SEL at this time.
- 

### Fault Details

**Severity:** info  
**Cause:** log-capacity  
**mibFaultCode:** 461  
**mibFaultName:** fltSysdebugMEpLogMEpLogVeryLow  
**moClass:** sysdebug:MEpLog  
**Type:** operational

## fltSysdebugMEpLogTransferError

**Fault Code:**F0532

### Message

Server [chassisId]/[slotId] [type] transfer failed: [operState]Server [id] [type] transfer failed: [operState]

### Explanation

This fault occurs when transfer of the managed end point log files such as SEL, fails.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If its a SEL related error, check the connectivity to the CIMC.
- Step 2** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 3** Execute the **show tech-support** command and contact Cisco Technical Support.
-

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#### Fault Details

**Severity:** info  
**Cause:** file-transfer-failed  
**mibFaultCode:** 532  
**mibFaultName:** fltSysdebugMEpLogTransferError  
**moClass:** sysdebug:MEpLog  
**Type:** operational

## Traffic Monitoring-related Faults

This section contains faults caused by issues related to traffic monitoring.

### fltFabricMonSpanConfigFail

**Fault Code:**F0757

#### Message

Configuration for traffic monitor [name] failed, reason: [configFailReason]

#### Explanation

This fault typically occurs when the configuration put under traffic monitoring session is not correct.

#### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** Correct the problem provided in the description of the raised fault.
- 

#### Fault Details

**Severity:** major  
**Cause:** config-error  
**mibFaultCode:** 757  
**mibFaultName:** fltFabricMonSpanConfigFail  
**moClass:** fabric:Mon  
**Type:** network

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## Virtual Network Interface-Related Faults

This section contains faults caused by issues related to a virtual network interface allocation in a service profile.

### fltDcxNsFailed

**Fault Code:**F0304

#### Message

Server [chassisId]/[slotId] (service profile: [assignedToDn]) virtual network interface allocation failed.Server [id] (service profile: [assignedToDn]) virtual network interface allocation failed.

#### Explanation

The adaptor unit's vif-namespace activation failed due to insufficient resources.The Cisco UCS Manager raises this fault when any of the following scenarios occur:

- The number of deployed vif resources exceeds the max vif resources available on the adaptor unit corresponding to the fabric interconnect

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Check the Ns "size" and "used" resources to get the exceeded number.
  - Step 3** Unconfigure/delete the exceeded number of vNICs on the adaptor unit.
  - Step 4** Add additional fabric uplinks from IOM to the corresponding fabric interconnect and reacknowledge the chassis. That will increase the "NS size" on the adaptor
  - Step 5** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

```
Severity: major
Cause: insufficient-resources
mibFaultCode: 304
mibFaultName: fltDcxNsFailed
moClass: dcx:Ns
Type: server
```

### fltDcxVifLinkState

**Fault Code:**F0479

#### Message

Virtual interface [id] link state is down

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### Explanation

This fault occurs when Cisco UCS cannot send or receive data through an uplink port.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Re-enable the uplink port that has failed.
  - Step 3** If the above action did not resolve the issue, execute the **show-tech-support** command.
  - Step 4** Contact Cisco Technical Support.
- 

### Fault Details

```
Severity: major
Cause: vif-down
mibFaultCode: 479
mibFaultName: fltDcxVifLinkState
moClass: dcx:Vif
Type: management
```

## fltDcxVcDown

### Fault Code:F0283

### Message

[transport] VIF [chassisId] / [slotId] [switchId]-[id] down, reason: [stateQual][transport] VIF [chassisId] / [id] [switchId]-[id] down, reason: [stateQual]

### Explanation

The transport VIF for server is down.The Cisco UCS Manager raises this fault when any of the following scenario occur:

- Endpoint(switch/fabric interconnect) reports the connectivity state on virtual interface as one of: a.down, b.errorred, c.unavailable.

### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
  - Step 2** Verify that the blade discovery was completed successfully. Check the states on all of the communicating ports in an end to end manner.
  - Step 3** If connectivity seems correct, recommision the server.
  - Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
-

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#### Fault Details

**Severity:** major  
**Cause:** link-down  
**mibFaultCode:** 283  
**mibFaultName:** fltDcxVcDown  
**moClass:** dcx:Vc  
**Type:** network

## fltDcxVcMgmt-vif-down

**Fault Code:**F0459

#### Message

IOM [chassisId] / [slotId] ([switchId]) management VIF [id] down, reason [stateQual]

#### Explanation

transport VIF for IO-Module is downCisco UCS Manager raises this fault when any of the following scenario occur:

- Endpoint(switch/fabric interconnect) reports the connectivity state on virtual interface as one of:  
a.down b.errorred c.unavailable

#### Recommended Action

If you see this fault, take the following actions:

- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Verify that the chassis discovery has gone through successfully. Check the states on all communicating ports in end to end manner
- Step 3** If connectivity seems correct, recommission the chassis
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

#### Fault Details

**Severity:** major  
**Cause:** cmc-vif-down  
**mibFaultCode:** 459  
**mibFaultName:** fltDcxVcMgmtVifDown  
**moClass:** dcx:Vc  
**Type:** network

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## VLAN-Related Faults

This section contains faults caused by issues related to a VLAN fault.

### fltFabricVlanPrimaryVlanMissingIsolated

**Fault Code:**F0620

**Message**

Primary Vlan can not be resolved for isolated vlan [name]

**Explanation**

This fault typically occurs when Cisco UCS Manager encountered a problem resolving the primary vlan Id corresponding to a particular isolated vlan.

**Recommended Action**

If you see this fault, take the following actions:

- 
- Step 1** Associate the isolated vlan with a valid primary vlan.
- Step 2** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

**Fault Details**

```
Severity: minor
Cause: primary-vlan-missing-isolated
mibFaultCode: 620
mibFaultName: fltFabricVlanPrimaryVlanMissingIsolated
moClass: fabric:Vlan
Type: network
```

### fltSwVlanPortNsResourceStatus

**Fault Code:**F0549

**Message**

Vlan-Port Resource exceeded

**Explanation**

port vlan count has exceeded the allowed max limit on the switch Cisco UCS Manager raises this fault when any of the following scenario occur:

- The total number of user deployed vlan port instances (access domain + border domain) in the system exceeds the max allowed limit

**Recommended Action**

If you see this fault, take the following actions:



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- 
- Step 1** If the fault occurs in the Cisco UCS Manager GUI, capture one or more screenshots of the fault message and other related areas.
- Step 2** Check the exceeded count on fabric interconnect through GUI & CLI
- Step 3** The vlan port count can be reduced in one of the following ways:
- Delete some vlans from LAN cloud
  - Remove some vlans under vnics
  - Unconfigure some vnics
  - Unconfigure some uplink ethernet ports on the switch
- Step 4** Execute the **show tech-support** command and contact Cisco Technical Support.
- 

### Fault Details

```
Severity: critical
Cause: limit-reached
mibFaultCode: 549
mibFaultName: fltSwVlanPortNsResourceStatus
moClass: sw:VlanPortNs
Type: management
```

## VSAN-Related Faults

This section contains faults caused by issues related to a VSAN fault.

### fltFabricVsanEpErrorDisabled

**Fault Code:**F0797

#### Message

[type] Port [slotId]/[portId] on fabric interconnect [switchId] has VSAN [id] in error disabled statePort channel [portId] on fabric interconnect [switchId] has VSAN [id] in error disabled state

#### Explanation

This fault typically occurs when a port is assigned to a VSAN that exists in the restricted range (3840-4078) or VSAN 4079 which is reserved .

#### Recommended Action

If you see this fault, take the following action:

- 
- Step 1** If VSAN is in the restricted range (3840-4078).
- Step 2** Delete the port channels on the fabric-interconnect.
- Step 3** Disable uplink trunking on the fabric-interconnect.
- Step 4** Switch to FC switch mode.

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- Step 5** If VSAN is reserved (4079), move the port to non reserved VSAN.
- 

### Fault Details

**Severity:** major  
**Cause:** vsan-misconfigured  
**mibFaultCode:** 797  
**mibFaultName:** fltFabricVsanEpErrorDisabled  
**moClass:** fabric:VsanEp  
**Type:** network

## fltFabricVsanErrorDisabled

**Fault Code:**F0796

### Message

VSAN [name] is [operState]

### Explanation

This fault typically occurs when VSAN exists in the range (3840-4078) and FC end host mode is enabled.

### Recommended Action

If you see this fault, take the following action:

---

- Step 1** Delete the port channels on the fabric-interconnect.
- Step 2** Disable uplink trunking on the fabric-interconnect.
- Step 3** Switch to FC switch mode.
- 

### Fault Details

**Severity:** major  
**Cause:** vsan-misconfigured  
**mibFaultCode:** 796  
**mibFaultName:** fltFabricVsanErrorDisabled  
**moClass:** fabric:Vsan  
**Type:** network