



## Fan-Related Faults

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### fltEquipmentFanDegraded

#### Fault Code

F0371

#### Description

[sensor\_name]: Fan [Id] has asserted a predictive failure: reseal or replace fan [Id]

#### Explanation

This fault occurs when one or more fans in the fan module are not operational, but at least one fan is operational.

#### Recommended Action

If you see this fault, take the following actions:

1. Review the product specifications to determine the temperature operating range of the fan module.
2. Review the Cisco UCS Site Preparation Guide and ensure the fan module has adequate airflow, including front and back clearance
3. Verify that the airflow to the server is not blocked.
4. Verify that the site cooling system is operating properly.
5. Clean the installation site at regular intervals to avoid buildup of dust and debris. Dust and debris cause a system to overheat.
6. Replace the faulty fan modules.

Before installing or replacing this component, see the server-specific Installation and Service guide for prerequisites, safety recommendations, and warnings.

7. If the problem still persists, create a tech-support file and contact Cisco TAC.

**Fault Details**

**Severity:** warning

**Cause:** equipment-degraded

**mibFaultCode:** 371

**mibFaultName:**fltEquipmentFanDegraded

**moClass:** equipment:Fan

**Type:** equipment

## fltEquipmentFanMissing

**Fault Code**

F0434

**Description**

Fan [id] missing: reseal or replace fan [Id]

**Explanation**

This fault occurs when a fan in the fan module cannot be detected.

**Recommended Action**

If you see this fault, take the following actions:

1. Insert or re-insert the fan module in the slot that is reporting the issue.
2. Replace the fan module with a different fan module, if available.

Before installing or replacing this component, see the server-specific Installation and Service guide for prerequisites, safety recommendations, and warnings.

3. If the problem still persists, create a tech-support file and contact Cisco TAC.

**Fault Details**

**Severity:** warning

**Cause:** equipment-missing

**mibFaultCode:** 434

**mibFaultName:**fltEquipmentFanMissing

**moClass:** equipment:Fan

**Type:** equipment

## fltEquipmentFanPerfThresholdCritical

### Fault Code

F0396

### Description

You see one of the following messages:

- Fan speed for fan-{Id} in Fan Module [Id]-[Id] is lower critical : Check the air intake to the server
- Fan speed for fan-[Id] is lower critical : Check the air intake to the server

### Explanation

This fault indicates that the fan speed reading from the fan controller does not match the desired fan speed and has exceeded the critical threshold. This can indicate a problem with the fan or with the reading from the fan controller.

### Recommended Action

If you see this fault, take the following actions:

1. Monitor the fan status.
2. If the problem persists for a long period or if other fans do not show the same problem, reseal the fan or replace the fan module.

Before replacing this component, see the server-specific Installation and Service Guide for prerequisites, safety recommendations and warnings.

3. If the problem still persists, create a tech-support file and contact Cisco TAC.

### Fault Details

**Severity:** warning

**Cause:** performance-problem

**mibFaultCode:** 396

**mibFaultName:** fltEquipmentFanPerfThresholdCritical

**moClass:** equipment:Fan

**Type:** equipment

# fltEquipmentFanPerfThresholdNonCritical

**Fault Code**

F0395

**Description**

You see one of the following messages when this fault is raised:

- Fan speed for fan-[Id] in Fan Module [Id]-[Id] is lower non critical : Check the air intake to the server
- Fan speed for fan-[Id] is lower non critical : Check the air intake to the server

**Explanation**

This fault indicates that the fan speed reading from the fan controller does not match the desired fan speed and is outside of the normal operating range. This can indicate a problem with the fan or the fan controller.

**Recommended Action**

If you see this fault, take the following actions:

1. Monitor the fan status.
2. If the problem persists for a long period or if other fans do not show the same problem, reseal the fan or replace the fan module.  
  
Before replacing this component, see the server-specific Installation and Service Guide for prerequisites, safety recommendations, warnings, and procedures.
3. If the problem still persists, create a tech-support file and contact Cisco TAC.

**Fault Details**

**Severity:** minor

**Cause:** performance-problem

**mibFaultCode:** 395

**mibFaultName:** fltEquipmentFanPerfThresholdNonCritical

**moClass:** equipment:Fan

**Type:** equipment

# fltEquipmentFanPerfThresholdNonRecoverable

**Fault Code**

F0397

### Description

You see one of the following messages when this fault is raised:

- Fan speed for fan-[Id] in Fan Module {Id}-[Id] is lower non recoverable : Check the air intake to the server
- Fan speed for fan-[Id] is lower non recoverable : Check the air intake to the server

### Explanation

This fault indicates that the fan speed reading from the fan controller has far exceeded the desired fan speed. It means that the fan has failed.

### Recommended Action

If you see this fault, take the following actions:

1. Replace the fan.  
Before replacing this component, see the server-specific Installation and Service Guide for prerequisites, safety recommendations, and warnings.
2. If the problem still persists, create a tech-support file and contact Cisco TAC.

### Fault Details

**Severity:** major

**Cause:** performance-problem

**mibFaultCode:** 397

**mibFaultName:** fltEquipmentFanPerfThresholdNonRecoverable

**moClass:** equipment:Fan

**Type:** equipment

