



Chassis-Related Faults

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fltEquipmentChassisThermalThresholdCritical

Fault Code

F0409

Description

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

- Front Panel Thermal Threshold at upper critical levels: Check Cooling.
- The Front Panel temperature has crossed upper critical threshold: Check device cooling.
- Riser [Id] inlet temperature has crossed upper critical threshold: Check device cooling.
- Riser [Id] outlet temperature has crossed upper critical threshold: Check device cooling.

Explanation

This fault occurs when a component within a chassis operates outside the safe thermal operating range.

Recommended Action

If you see this fault, take the following actions:

1. Review the Cisco UCS Site Preparation Guide and make sure that the server has adequate airflow, including front and back clearance.
2. Verify that the airflow to the server is not blocked.
3. Verify that the site cooling system is operating properly.

4. Clean the installation site at regular intervals to avoid buildup of dust and debris, which can cause a system to overheat.
5. Check the temperature readings and make sure it is within the recommended thermal safe operating range.
6. If the fault reports a "Thermal Sensor threshold crossing in the front or back pane" error for the servers, check whether thermal faults have been raised. These faults provide details of the thermal condition.
7. If the fault reports a "Missing or Faulty Fan" error, check the status of the fan.
8. If the fan needs replacement or the problem still persists, create a tech-support file and contact Cisco TAC.

Fault Details

Severity: major

Cause: thermal-problem

mibFaultCode: 409

mibFaultName: fltEquipmentChassisThermalThresholdCritical

moClass: equipment: chassis

Type: environmental

fltEquipmentChassisThermalThresholdNonCritical

Fault Code

F0410

Description

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

- Front Panel Thermal Threshold at upper non critical levels: Check Cooling.
- The Front Panel temperature has crossed upper non-critical threshold: Check device cooling.
- Riser [Id] inlet temperature has crossed upper non-critical threshold: Check device cooling.
- Riser [Id] outlet temperature has crossed upper non-critical threshold: Check device cooling.

Explanation

This fault occurs when a component within a chassis operates outside the safe thermal operating range.

Recommended Action

If you see this fault, take the following actions:

1. Review the Cisco UCS Site Preparation Guide and make sure that the server has adequate airflow, including front and back clearance.
2. Verify that the airflow to the server is not obstructed.

3. Verify that the site cooling system is operating properly.
4. Clean the installation site at regular intervals to avoid buildup of dust and debris, which can cause a system to overheat.
5. Check the temperature readings and make sure it is within the recommended thermal safe operating range.
6. If the fault reports a "Thermal Sensor threshold crossing in the front or back pane" error for the server, check whether thermal faults have been raised. Those faults provide details of the thermal condition.
7. If the fault reports a "Missing or Faulty Fan" error, check the status of the fan.
8. If the fan needs replacement or the problem still persists, create a tech-support file and contact Cisco TAC.

Fault Details

Severity: minor

Cause: thermal-problem

mibFaultCode: 410

mibFaultName: fltEquipmentChassisThermalThresholdNonCritical

moClass: equipment: chassis

Type: environmental

fltEquipmentChassisThermalThresholdNonRecoverable

Fault Code

F0411

Description

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

- Front Panel Thermal Threshold at upper non recoverable levels: Check Cooling.
- The Front Panel temperature has crossed upper non-recoverable threshold: Check device cooling.
- Riser [Id] inlet temperature has crossed upper non-recoverable threshold: Check device cooling.
- Riser [Id] outlet temperature has crossed upper non-recoverable threshold: Check device cooling.

Explanation

This fault occurs when a component within a chassis operates outside the safe thermal operating range.

Recommended Action

If you see this fault, take the following actions:

1. Review the Cisco UCS Site Preparation Guide and make sure that the server has adequate airflow, including front and back clearance

2. Verify that the airflow to the server is not blocked.
3. Verify that the site cooling system is operating properly.
4. Clean the installation site at regular intervals to avoid buildup of dust and debris, which can cause a system to overheat.
5. Check the temperature readings and make sure that it is within the recommended thermal safe operating range.
6. If the fault reports a "Thermal Sensor threshold crossing in the front or back pane" error for the servers, check whether thermal faults have been raised. Those faults provide details of the thermal condition.
7. If the fault reports a "Missing or Faulty Fan" error, check the status of that fan.
8. If the fan needs replacement or the problem still persists, create a tech-support file and contact Cisco TAC.

Fault Details

Severity: critical

Cause: thermal-problem

mibFaultCode: 411

mibFaultName: fltEquipmentChassisThermalThresholdNonRecoverable

moClass: equipment: chassis

Type: environmental