



Supported Faults and Traps

- [Supported Cisco IMC Faults on Server, on page 1](#)
- [Supported Chassis IOM/IFM Faults, on page 10](#)
- [Supported FI Traps, on page 20](#)

Supported Cisco IMC Faults on Server

Fault Code	Fault Name	Message	Severity	Cause
F0174	fltProcessorUnitInoperable	Processor [id] on server [chassisId]/[slotId] operability: [operability]	Major	Equipment Inoperable
F0176	fltProcessorUnitThermalThreshold Critical	Processor [id] on server [chassisId]/[slotId] temperature: [thermal]Processor [id] on server [id] temperature: [thermal]	Major	Thermal Problem
F0177	fltProcessorUnitThermalThreshold NonRecoverable	Processor [id] on server [chassisId]/[slotId] temperature: [thermal]Processor [id] on server [id] temperature: [thermal]	Critical	Thermal Problem

Fault Code	Fault Name	Message	Severity	Cause
F0185	fltMemoryUnitInoperable	DIMM [location] on server [chassisId]/[slotId] operability: [operability]DIMM [location] on server [id] operability: [operability]	Major	Equipment Inoperable
F0187	fltMemoryUnitThermalThreshold Critical	DIMM [location] on server [chassisId]/[slotId] temperature: [thermal]DIMM [location] on server [id] temperature: [thermal]	Major	Thermal Problem
F0188	fltMemoryUnitThermalThreshold NonRecoverable	DIMM [location] on server [chassisId]/[slotId] temperature: [thermal]DIMM [location] on server [id] temperature: [thermal]	Critical	Thermal Problem
F0203	fltAdaptorUnitMissing	Adapter [id] in server [id] presence: [presence]Adapter [id] in server [chassisId]/[slotId] presence: [presence]	Warning	Equipment Missing
F0310	fltComputeBoardPowerError	Motherboard of server [chassisId]/[slotId] (service profile: [assignedToDn]) power: [operPower]Motherboard of server [id] (service profile: [assignedToDn]) power: [operPower]	Major	Power Problem

Fault Code	Fault Name	Message	Severity	Cause
F0313	fltComputePhysicalBiosPostTimeout	Server [id] (service profile: [assignedToDn]) BIOS failed power-on self testServer [chassisId]/[slotId] (service profile: [assignedToDn]) BIOS failed power-on self test	Critical	Equipment Inoperable
F0409	fltEquipmentChassisThermalThreshold Critical	Thermal condition on chassis [id] cause: [thermalStateQualifier]	Major	Thermal Problem
F0411	fltEquipmentChassisThermalThreshold NonRecoverable	Thermal condition on chassis [id] cause:[thermalStateQualifier]	Critical	Thermal Problem
F0842	fltProcessorUnitDisabled	Processor [id] on server [chassisId]/[slotId] operState: [operState]Processor [id] on server [id] operState: [operState]	Info	Equipment Disabled
F0844	fltMemoryUnitDisabled	DIMM [location] on server [chassisId]/[slotId] operState: [operState]DIMM [location] on server [id] operaState: [operState]	Major	Equipment Disabled
F0868	fltComputeBoardPowerFail	Motherboard of server [chassisId]/[slotId] (service profile: [assignedToDn]) power: [power]Motherboard of server [id] (service profile: [assignedToDn]) power: [power]	Critical	Power Problem

Fault Code	Fault Name	Message	Severity	Cause
F0869	fltComputeABoardThermalProblem	Motherboard of server [chassisId]/[slotId] (service profile: [assignedToDn]) thermal: [thermal]Motherboard of server [id] (service profile: [assignedToDn]) thermal: [thermal]	Minor	Thermal Problem
F0918	fltComputeABoardMotherBoardVoltageThresholdUpperNonRecoverable	Motherboard input voltage in server [id] is [voltage]Motherboard [faultQualifier] input voltage in server [chassisId]/[slotId] is [voltage]Motherboard input voltage(12V/5V/3V) in server [chassisId]/[slotId]/[serverInstanceId] is [voltage]	Major	Voltage Problem
F0920	fltComputeABoardMotherBoardVoltageUpperThresholdCritical	Motherboard input voltage in server [id] is [voltage]Motherboard [faultQualifier] input voltage in server [chassisId]/[slotId] is [voltage]Motherboard input voltage(12V/5V/3V) in server [chassisId]/[slotId]/[serverInstanceId] is [voltage]	Minor	Voltage Problem

Fault Code	Fault Name	Message	Severity	Cause
F1257	fltStorageFlexFlashControllerInoperable	FlexFlash Controller [id] on server [chassisId]/[slotId] is inoperable. Reason: [operQualifierReason] Status: [controllerHealth]FlexFlash Controller [id] on server [id] is inoperable. Reason: [operQualifierReason] Status: [controllerHealth]	Major	Equipment Inoperable
F1258	fltStorageFlexFlashCardInoperable	FlexFlash Card [slotNumber] on server [chassisId]/[slotId] is inoperable. Reason: [operQualifierReason] FlexFlash Card [slotNumber] on server [id] is inoperable. Reason: [operQualifierReason]	Major	Equipment Inoperable
F1259	fltStorageFlexFlashCardMissing	FlexFlash Card [slotNumber] missing on server [chassisId]/[slotId]FlexFlash Card [slotNumber] missing on server [id]	Info	Equipment Missing
F1260	fltStorageFlexFlashVirtual DriveDegraded	FlexFlash Virtual Drive RAID degraded on server [chassisId]/[slotId]. Reason: [raidState]FlexFlash Virtual Drive RAID degraded on server [id]. Reason: [raidState]	Minor	Equipment Degraded

Fault Code	Fault Name	Message	Severity	Cause
F1261	fltStorageFlexFlashVirtualDrive Inoperable	FlexFlash Virtual Drive on server [chassisId]/[slotId] is inoperable. Reason: [raidState]FlexFlash Virtual Drive on server [id] is inoperable. Reason: [raidState]	Major	Equipment Inoperable
F1262	fltStorageFlexFlashControllerUnhealthy	FlexFlash Controller [id] on server [chassisId]/[slotId] is unhealthy. Reason: [operQualifierReason] Status: [controllerHealth]FlexFlash Controller [id] on server [id] is unhealthy. Reason: [operQualifierReason] Status: [controllerHealth]	Minor	Equipment Inoperable
F1004	fltStorageControllerInoperable	Storage Controller [id] on server [chassisId]/[slotId] is inoperable. Reason: [operQualifierReason] Status: [controllerHealth]	Major	Equipment Inoperable
F1003	fltStorageControllerPatrolReadFailed	Storage Controller [id] on server [chassisId]/[slotId] patrolReadFailed Reason: [operQualifierReason] Status: [controllerHealth]	Warning	Equipment Unhealthy

Fault Code	Fault Name	Message	Severity	Cause
F181	fltStorageLocalDiskInoperable	Storage LocalDisk on slotNumber] on server [chassisId]/[slotId] is inoperable. Reason: [operQualifierReason] StorageLocalDisk [slotNumber] on server [id] is inoperable.	Major	Equipment Inoperable
F996	fltStorageLocalDiskDegraded	StorageLocalDisk [slotNumber] Degraded on server [chassisId]/[slotId]StorageController [slotNumber] Degraded on server [id]	Warning	Equipment Degraded
F1256	fltStorageLocalDiskMissing	StorageLocalDiskMissing on server [chassisId]/[slotId]. Reason: StorageLocalDisk missing	Warning	Equipment Missing
F1005	fltStorageLocalDiskRebuildFailed	StorageLocalDiskon server [chassisId]/[slotId] failed Rebuild. Reason: StorageLocalDisk on server [id] failed rebuild	Warning	Equipment Unhealthy
F1006	fltStorageLocalDiskCopybackFailed	StorageLocalDiskon server [chassisId]/[slotId] failed Rebuild. Reason: StorageLocalDisk on server [[id] failed copyback	Warning	Equipment Unhealthy

Fault Code	Fault Name	Message	Severity	Cause
F1007	fltStorageVirtualDriveInoperable	Storage VirtualDrive on slotNumber] on server [chassisId]/[slotId] is inoperable. Reason: [operQualifierReason] StorageLocalDisk [slotNumber] on server [id] is inoperable	Major	Equipment Inoperable
F1008	fltStorageVirtualDriveDegraded	Virtual drive [id] on Storage Controller [id] operability: [operability]	Warning	Equipment Degraded
F1010	fltStorageVirtualDriveConsistency CheckFailed	Virtual drive [id] on Storage Controller [id] operability: [operability]	Warning	Equipment Unhealthy
F997	fltStorageRaidBatteryDegraded	Storage Controller [id] on server [chassisId]/[slotId] RaidBattery is Degraded Reason: [operQualifierReason] Status: [controllerHealth]	Warning	Equipment Degraded
F999	fltStorageRaidBatteryRelearnFailed	Storage Controller [id] on server [chassisId]/[slotId] RaidBattery RelearnFailed Degraded Reason: [operQualifierReason] Status: [controllerHealth].	Warning	Equipment Unhealthy
F1783	fltEquipmentTpmTpmMismatch	Installed TPM is currently in-operable for server configuration	Warning	Equipment Inoperable

Fault Code	Fault Name	Message	Severity	Cause
F1934	fltComputeBoardFailedSecure FuseValidation	Intel PCH Secure Fuse Verification Failed. Please contact Cisco TAC	Critical	Equipment Unhealthy
F1935	fltBiosUnitFD0FailedSecurity Verification	BIOS FD0 Verification Failed. Please update and reactivate BIOS.	Critical	BIOS Image Corrupt
F0305	fltComputePhysicalInsufficiently Equipped	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	Critical	Insufficiently Equipped
F0470	fltFirmwareUpdatableImageUnusable	backup image is unusable. reason: [operStateQual]	Major	Image Unusable
F0744	fltPowerBudgetPowerCapReached Commit	P-State lowered as consumption hit power cap for server [chassisId]/[slotId]P-State lowered as consumption hit power cap for server [id]	Info	Power Consumption Hit Limit
F1707	fltMgmtHealthStatusHealthCriticalIssue	Intel ME Node Manager is unhealthy or unresponsive.	Critical	Equipment Unhealthy
F531	fltStorageRaidBatteryInoperable	Storage Raid Battery %s is inoperable: Check Controller battery	Minor	Equipment Inoperable
F1003	fltStorageLocalDiskPatrolReadFailed	%s Local disk %s PatrolRead failed: Please check the storage drive %s	Warning	Equipment Inoperable

Fault Code	Fault Name	Message	Severity	Cause
F1009	fltStorageVirtualDriveReconstruction Failed	%s Virtual Drive %s reconstruction failed: Reconstruction failed due to configuration mismatch	Major	Equipment Degraded
F2012	fltStorageControllerPciEquipSlot Unsecure	Storage controller %s unable to secure critical: SPDM communication not secure	Major	Equipment Unsecure

Supported Chassis IOM/IFM Faults

Fault Code	Fault Name	Message	Severity	Cause
F0369	fltEquipmentPsuPowerSupplyProblem	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]	Major	Power Problem

Fault Code	Fault Name	Message	Severity	Cause
F0378	fltEquipmentPsuMissing	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]	Warning	Equipment Missing
F0380	fltEquipmentFanModuleThermalThresholdNonCritical	Fan module [tray]-[id] in chassis [id] temperature: [thermal]Fan module [tray]-[id] in server [id] temperature: [thermal]Fan module [tray]-[id] in fabric interconnect [id] temperature: [thermal]	Minor	Thermal Problem
F0381	fltProcessorUnitThermalThresholdNonRecoverable	Processor [id] on server [chassisId]/[slotId] temperature: [thermal]Processor [id] on server [id] temperature: [thermal]	Minor	Thermal Problem

Fault Code	Fault Name	Message	Severity	Cause
F0382	fltEquipmentFanModuleThermalThresholdCritical	Fan module [tray]-[id] in chassis [id] temperature: [thermal]Fan module [tray]-[id] in server [id] temperature: [thermal]Fan module [tray]-[id] in fabric interconnect [id] temperature: [thermal]	Major	Thermal Problem
F0383	fltEquipmentPsuThermalThresholdCritical	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]	Major	Thermal Problem
F0384	fltEquipmentFanModuleThermalThresholdNonRecoverable	Fan module [tray]-[id] in chassis [id] temperature: [thermal]Fan module [tray]-[id] in server [id] temperature: [thermal]Fan module [tray]-[id] in fabric interconnect [id] temperature: [thermal]	Critical	Thermal Problem

Fault Code	Fault Name	Message	Severity	Cause
F0385	fltEquipmentPsuThermalThreshold NonRecoverable	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]	Critical	Thermal Problem
F0387	fltEquipmentPsuVoltage ThresholdNonCritical	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]	Minor	Voltage Problem
F0389	fltEquipmentPsuVoltageThreshold Critical	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]	Major	Voltage Problem

Fault Code	Fault Name	Message	Severity	Cause
F0391	fltEquipmentPsuVoltageThreshold NonRecoverable	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]	Critical	Voltage Problem
F0392	fltEquipmentPsuPerfThreshold NonCritical	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]	Minor	Performance Problem
F0393	fltEquipmentPsuPerfThresholdCritical	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]	Major	Performance Problem

Fault Code	Fault Name	Message	Severity	Cause
F0394	fltEquipmentPsuPerfThreshold NonRecoverable	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]	Critical	Performance Problem
F0395	fltEquipmentFanPerfThreshold NonCritical	Fan [id] in Fan Module [tray]-[id] under chassis [id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in Fan Module [tray]-[id] under server [id] speed: [perf]	Info	Performance Problem
F0396	fltEquipmentFanPerfThresholdCritica	Fan [id] in Fan Module [tray]-[id] under chassis [id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in Fan Module [tray]-[id] under server [id] speed: [perf]	Info	Performance Problem

Fault Code	Fault Name	Message	Severity	Cause
F0397	fltEquipmentFanPerfThresholdNonRecoverable	Fan [id] in Fan Module [tray]-[id] under chassis [id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in Fan Module [tray]-[id] under server [id] speed: [perf]	Major	Performance Problem
F0403	fltEquipmentIOCardPeer Disconnected	IOM [chassisId]/[id] ([switchId]) peer connectivity: [peerCommStatus]	Warning	Equipment Disconnected
F0409	fltEquipmentChassisThermalThreshold Critical	Thermal condition on chassis [id] cause: [thermalStateQualifier]	Major	Thermal Problem
F0410	fltEquipmentChassisThermalThreshold NonCritical	Thermal condition on chassis [id] cause: [thermalStateQualifier]	Minor	Thermal Problem
F0411	fltEquipmentChassisThermalThreshold NonRecoverable	Thermal condition on chassis [id] cause: [thermalStateQualifier]	Critical	Thermal Problem

Fault Code	Fault Name	Message	Severity	Cause
F0434	fltEquipmentFanMissing	Fan [id] in fabric interconnect [id] presence: [presence]Fan [id] in fex [id] presence: [presence]Fan [id] in Fan Module [tray]-[id] under server [id] presence: [presence]	Warning	Equipment Missing
F0480	fltEquipmentFanModuleDegraded	Fan module [tray]-[id] in chassis [id] operability: [operability]Fan module [tray]-[id] in server [id] operability: [operability]Fan module [tray]-[id] in fabric interconnect [id] operability: [operability]	Minor	Equipment Degraded
F0481	fltEquipmentIOCardPost-failure	[side] IOM [chassisId]/[id] ([switchId]) POST failure	Major	Equipment-IOcard
F0484	fltEquipmentFanPerfThresholdLower NonRecoverable	Fan [id] in Fan Module [tray]-[id] under chassis [id] speed: [perf]Fan [id] in fabric interconnect [id] speed: [perf]Fan [id] in Fan Module [tray]-[id] under server [id] speed: [perf]	Critical	Performance Problem

Fault Code	Fault Name	Message	Severity	Cause
F0279	fltEquipmentIOCardThermalThreshold NonCritical	[side] IOM [chassisId]/[id] ([switchId]) temperature: [thermal]	Minor	Thermal Problem
F0730	fltEquipmentIOCardThermalThreshold Critical	[side] IOM [chassisId]/[id] ([switchId]) temperature: [thermal]	Minor	Thermal Problem
F0731	fltEquipmentIOCardThermalThreshold NonRecoverable	[side] IOM [chassisId]/[id] ([switchId]) temperature: [thermal]	Minor	Thermal Problem
F0371	fltEquipmentFanDegraded	Fan [id] in Fan Module [tray]-[id] under chassis [id] operability: [operability]Fan [id] in fabric interconnect [id] operability: [operability]Fan [id] in fex [id] operability: [operability]Fan [id] in Fan Module [tray]-[id] under server [id] operability: [operability]	Minor	Equipment Degraded

Fault Code	Fault Name	Message	Severity	Cause
F0373	fltEquipmentFanInoperable	Fan [id] in Fan Module [tray]-[id] under chassis [id] operability: [operability]Fan [id] in fabric interconnect [id] operability: [operability]Fan [id] in fex [id] operability: [operability]Fan [id] in Fan Module [tray]-[id] under server [id] operability: [operability]	Major	Equipment Inoperable
F0374	fltEquipmentPsuInoperable	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]	Major	Equipment Inoperable
F0379	fltEquipmentIOCardThermalProblem	[side] IOM [chassisId]/[id] ([switchId]) operState: [operState]	Major	Thermal Problem

Fault Code	Fault Name	Message	Severity	Cause
F0398	fltEquipmentIOCardFirmwareUpgrade	Chassis controller in IOM [chassisId]/[id] ([switchId]) firmware upgrade problem: [upgradeStatus]	Major	Firmware Upgrade Problem
F0405	fltEquipmentIOCardIdentity	[side] IOM [chassisId]/[id] ([switchId]) has a malformed FRU	Critical	Fru Problem
F0406	fltEquipmentFanModuleIdentity	Fan Module [tray]-[id] in chassis [id] has a malformed FRUFan Module [tray]-[id] in server [id] has a malformed FRUFan Module [tray]-[id] in fabric interconnect [id] has a malformed FRU	Critical	Fru Problem
F0407	fltEquipmentPsuIdentity	Power supply [id] on chassis [id] has a malformed FRUPower supply [id] on server [id] has a malformed FRU	Critical	Fru Problem

Supported FI Traps

Trap Type	Description
generic	:coldStart
entity	:entity_fan_status_change
entity	:entity_mib_change

Trap Type	Description
entity	:entity_module_status_change
entity	:entity_module_inserted
entity	:entity_module_removed
entity	:entity_power_out_change
entity	:entity_power_status_change
entity	:entity_unrecognised_module
entity	:entity_sensor
link	:cERRDisableInterfaceEventRev1
link	:cieLinkDown
link	:cieLinkUp
link	:cmn-mac-move-notification
link	:delayed-link-state-change
link	:extended-linkDown
link	:extended-linkUp
link	:linkDown
link	:linkUp
rf	:redundancy_framework
license	:notify-license-expiry
license	: notify-no-license-for-feature
license	: notify-licensefile-missing
license	:notify-license-expiry-warning
upgrade	:UpgradeOpNotifyOnCompletion
upgrade	:UpgradeJobStatusNotify
rmon	:fallingAlarm
rmon	:hcRisingAlarm
rmon	:hcFallingAlarm
rmon	:risingAlarm

