



Smart Call Home for Cisco IMC Supervisor

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Overview of Smart Call Home

Cisco Smart Call Home is an automated support capability that provides continuous monitoring, proactive diagnostics, alerts, and remediation recommendations on select Cisco devices. Smart Call Home can help identify and resolve issues quickly to achieve higher availability and increased operational efficiency. This capability is available with an active support contract for hardware managed by Cisco IMC Supervisor. When enabled, Smart Call Home looks for a specific set of faults that Cisco has identified through interaction with Cisco Technical Assistance Center (TAC) engineers, the Cisco support community, and developers. Instead of waiting for a user to notice a problem or a fault to escalate and be reported, Smart Call Home proactively identifies and diagnoses faults.

Cisco IMC Supervisor managed server tasks such as **Group Rack Server Inventory**, **Rack Server Fault**, and **Health System** are run at periodic intervals and send relevant information to the Smart Call Home backend. The backend processes this data and if issues are identified, it will automatically raise cases with the TAC for resolution of issues.

You can configure Smart Call Home using the Cisco IMC Supervisor user interface. For more information, see [Configuring Smart Call Home, on page 1](#).

Configuring Smart Call Home

Perform this procedure to configure Smart Call Home.

SUMMARY STEPS

1. Choose **Administration > System**.
2. On the **System** page, click **Smart Call Home**.
3. Check the **Enable Smart Call Home** check box so that collected faults are forwarded to the Smart Call Home backend.
4. Enter **Contact Email** address.

5. The **Destination URL** of the Smart Call Home backend is set by default.
6. (Optional) Check the **Send Group Inventory Now** check box to send inventory details of the servers. One inventory message per managed server is sent to the Smart Call Home backend. This can be used as additional information for resolving issues by the TAC team.
7. Click **Save**.

DETAILED STEPS

- Step 1** Choose **Administration > System**.
- Step 2** On the **System** page, click **Smart Call Home**.
- Step 3** Check the **Enable Smart Call Home** check box so that collected faults are forwarded to the Smart Call Home backend.
- Note** By default, Smart Call Home is disabled.
- Step 4** Enter **Contact Email** address.
- Note** You can enter only one contact email at a time in this field.
- Step 5** The **Destination URL** of the Smart Call Home backend is set by default.
- Note**
- We recommend that you must not change the default URL.
 - The **Proxy Configuration** check box is selected by default. Smart call home uses the proxy details that you have already set. See [Configuring Proxy Settings](#).
- Step 6** (Optional) Check the **Send Group Inventory Now** check box to send inventory details of the servers. One inventory message per managed server is sent to the Smart Call Home backend. This can be used as additional information for resolving issues by the TAC team.
- Step 7** Click **Save**.
- Note**
- Any faults that occur on the managed servers are sent to the backend. For various fault codes and its severity, see [Fault Codes, on page 2](#). For logging in to Smart Call Home and performing various tasks, see information on the [Cisco Smart Call Home Community](#).
 - Ensure that the URL <https://tools.cisco.com/its/service/oddce/services/DDCEService> is reachable from the Cisco IMC Supervisor appliance.
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Fault Codes

Fault Codes in Smart Call Home

Following are a list of error messages that Cisco IMC Supervisor sends to the Smart Call Home backend.

Fault Code	Fault Name	Message	Severity	Create Service Request
F0174	fltProcessorUnitInoperable	Processor [id] on [serverId] operability: [operability]	critical major	Y
F0177	fltProcessorUnitThermalThresholdNonRecoverable	Processor [id] on [serverid] temperature:[thermal]	critical	Y
F0181	fltStorageLocalDiskInoperable	Local disk [id] on [serverid] operability: [operability]	major warning	Y
F0185	fltMemoryUnitInoperable	DIMM [location] on [serverid] operability: [operability]	major	Y
F0188	fltMemoryUnitThermalThresholdNonRecoverable	DIMM [location] on [serverid] temperature: [thermal]	critical	N
F0379	fltEquipmentIOCardThermalProblem	IOCard [location] on server [id] operState: [operState]	major	N
F0385	fltEquipmentPsuThermalThresholdNonRecoverable	Power supply [id] in [serverid] temperature: [thermal]	critical	Y
F0389	fltEquipmentPsuVoltageThresholdCritical	Power supply [id] in [serverid] voltage: [voltage]	major	N
F0391	fltEquipmentPsuVoltageThresholdNonRecoverable	Power supply [id] in [serverid] voltage: [voltage]	critical	Y
F0407	fltEquipmentPsuIdentity	Power supply [id] on [serverid] has a malformed FRU	critical	N
F0411	fltEquipmentChassisThermalThresholdNonRecoverable	Thermal condition on [serverid] cause: [thermalStateQualifier]	critical	N
F0424	fltComputeBoardCmosVoltageThresholdCritical	CMOS battery voltage on [serverid] is [cmosVoltage]	major	N

Fault Code	Fault Name	Message	Severity	Create Service Request
F0425	fltComputeBoardCmosVoltageThresholdNonRecoverable	CMOS battery voltage on [serverid] is [cmosVoltage]	critical	Y
F0531	fltStorageRaidBatteryInoperable	RAID Battery on [serverid] operability: [operability]	major	Y
F0868	fltComputeBoardPowerFail	Motherboard of [serverid] power: [power]	critical	N
F0997	fltStorageRaidBatteryDegraded	Raid battery [id] on [serverid] operability: [operability]	major	N
F1004	fltStorageControllerInoperable	Storage Controller [id] operability: [operability]	critical	N
F1007	fltStorageVirtualDriveInoperable	Virtual drive [id] on [serverid] operability: [operability]	critical	N