



Managing Chassis

This chapter includes the following sections:

- [Chassis Summary, on page 1](#)
- [Chassis Inventory, on page 6](#)

Chassis Summary

Intersight Infrastructure Service License

Intersight Infrastructure Service License

Beginning with release 4.3.2.230207, for Cisco UCS C-Series M7 servers, Cisco IMC displays the following warning if the Device Connector does not detect a connection to Cisco Intersight Services:

```
The Device Connector is unable to detect a connection to Cisco Intersight.
Please check your settings and ensure that the server is claimed in
Intersight with an Intersight Infrastructure Services license to be in
compliance. ( 1/5 )
```

You may click **OK** to go to **Device Connector** and configure the settings or click **Cancel** to continue.



Note The warning counter (1/5) continues to increment till it reaches (5/5). The prompt stops after it reaches (5/5) or if the Device Connector is configured, whichever is first. If the Device Connector is configured once, and later disabled, the warning is displayed again and the counter continues from the last count. The counter is reset only in case restore factory default is performed.

Apart from the warning, Cisco IMC also shows the following static ribbon at the top of screen:

```
Please note: Intersight Infrastrucutre Services license is required with
this server. Learn More.
```

You may click **Learn More** to get more information from Intersight Help Center.



Note This message is not displayed if the Device Connector is configured. If the Device Connector is configured once, and later disabled, the message is displayed again.

Viewing Chassis Summary

By default when you log on to the Cisco UCS C-Series rack-mount server, the **Summary** pane of the Chassis is displayed in the Web UI. You can also view the Chassis summary when in another tab or working area, by completing the following steps:

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Summary**.
- Step 3** In the **Server Properties** area of the **Chassis Summary** pane, review the following information:

Name	Description
Product Name field	The model name of the server.
Serial Number field	The serial number for the server.
PID field	The product ID.
UUID field	The UUID assigned to the server.
BIOS version field	The version of the BIOS running on the server.
Slot ID	Slot ID of the node in the enclosure. Note This field is available only on some C-Series servers.
Description field	A user-defined description for the server. Following guidelines should be observed while updating Description field. <ul style="list-style-type: none"> • Description can not contain the following special characters: <ul style="list-style-type: none"> • & • !

Name	Description
Asset Tag field	<p>A user-defined tag for the server. By default, the asset tag for a new server displays Unknown.</p> <p>Following guidelines should be observed while updating Asset Tag field.</p> <ul style="list-style-type: none"> • Asset Tag field can have a maximum of 32 characters. • Asset Tag can not contain the following special characters: <ul style="list-style-type: none"> • & • !
Personality field	<p>Beginning with release 4.2(1a), users can configure personality of Cisco UCS M6 C-Series servers for use in HyperFlex (HX) using XML and Redfish API.</p> <p>Note This field is available only on C-Series servers which are already configured on HX.</p>

Step 4 In the **Cisco IMC Information** area of the **Chassis Summary** pane, review the following information:

Name	Description
Hostname field	A user-defined hostname for the Cisco IMC. By default, the hostname appears in CXXX-YYYYYYY format, where XXX is the model number and YYYYYYY is the serial number of the server.
IP Address field	The IP address for the Cisco IMC.
MAC Address field	The MAC address assigned to the active network interface to the Cisco IMC.
Firmware Version field	The current Cisco IMC firmware version.
Current Time field	<p>The current date and time according to the Cisco IMC clock.</p> <p>Note Cisco IMC gets the current date and time from the server BIOS when the NTP is disabled. When NTP is enabled, Cisco IMC gets the current time and date from the NTP server. To change this information, reboot the server and press F2 when prompted to access the BIOS configuration menu. Then change the date or time using the options on the main BIOS configuration tab.</p>
Local Time field	The local time of the region according to the chosen time zone.
Timezone field	Allows you to select a time zone by clicking on the Select Timezone option. In the Select Timezone pop-up screen, mouse over the map and click on the location to select your time zone or choose your time zone from the Timezone drop-down menu.

Step 5 In the **Chassis Status** area of the **Chassis Summary** pane, review the following information:

Name	Description
Power State field	The current power state.
POST Completion Status field	BIOS POST completion status.
Overall Server Status field	<p>The overall status of the server. This can be one of the following:</p> <ul style="list-style-type: none"> • Memory Test In Progress—The server is performing a self-test of the installed memory. This condition normally occurs during the boot process. • Good • Moderate Fault • Severe Fault
Temperature field	<p>The temperature status. This can be one of the following:</p> <ul style="list-style-type: none"> • Good • Fault • Severe Fault <p>You can click the link in this field to view more temperature information.</p>
Overall DIMM Status field	<p>The overall status of the memory modules. This can be one of the following:</p> <ul style="list-style-type: none"> • Good • Fault • Severe Fault <p>You can click the link in this field to view detailed status information.</p>
Power Supplies field	<p>The overall status of the power supplies. This can be one of the following:</p> <ul style="list-style-type: none"> • Good • Fault • Severe Fault <p>You can click the link in this field to view detailed status information.</p>

Name	Description
Fans field	The overall status of the power supplies. This can be one of the following: <ul style="list-style-type: none"> • Good • Fault • Severe Fault You can click the link in this field to view detailed status information.
Locator LED field	Whether the locator LEDs are on or off.
Front Locator LED field	Whether the front panel locator LED on the chassis is on or off. Note This option is available only on some UCS C-Series servers.
Overall Storage Status field	The overall status of all controllers. This can be one of the following: <ul style="list-style-type: none"> • Good • Moderate Fault • Severe Fault

Step 6 In the **Server Utilization** area of the **Chassis Summary** pane, review the following information in a graphical representation:

Name	Description
Overall Utilization (%) field	The overall realtime utilization of CPU, memory, and IO (input and output) of the system in percentage.
CPU Utilization (%) field	The CPU or computation utilization of the system on all the available CPUs in percentage.
Memory Utilization (%) field	The memory utilization of the system on all the available memory (DIMM) channels in percentage.
IO Utilization (%) field	The IO resource utilization of the system in percentage.

Chassis Inventory

Viewing Power Supply Properties

Procedure

-
- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **Power Supplies** tab and review the following information for each power supply:

Name	Description
Device ID column	The identifier for the power supply unit.
Status column	The status of the power supply unit.
Input column	The input into the power supply, in watts.
Output column	The maximum output from the power supply, in watts.
FW Version column	The firmware version for the power supply.
Product ID column	The product identifier for the power supply assigned by the vendor.

Viewing Cisco VIC Adapter Properties

Procedure

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- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **Cisco VIC Adapters** tab and review the following high level information:

Name	Description
Slot Number column	The PCI slot in which the adapter is installed.
Serial Number column	The serial number for the adapter.
Product ID column	The product ID for the adapter.

Name	Description
Cisco IMC Enabled column	Whether the adapter is able to manage Cisco IMC. This functionality depends on the type of adapter installed and how it is configured. For details, see the hardware installation guide for the type of server you are using.
Description column	Description of the adapter.

Viewing SAS Expander Properties

Before you begin

The server must be powered on, or the properties will not display.

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **SAS Expander** tab and review the following information:

Name	Description
ID column	The product ID of the expander.
Name column	The name of the expander.
Firmware Version column	The firmware version the expander uses.
Secondary Firmware Version column	The secondary firmware version of the expander.
Server Up Link Speed column	Up link speed received with the LSI RAID Controller. Note This is available only on some C-Series servers.

Enabling 6G or 12G Mixed Mode on a SAS Expander

You can enable or disable a 6 gigabyte or 12 gigabyte mixed mode speed support for a card using this option, which is a toggle button.



Note This option is available only on some C-Series servers.

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
 - Step 2** In the **Chassis** menu, click **Inventory**.
 - Step 3** In the **Inventory** working area, click the **SAS Expander** tab.
 - Step 4** In the **SAS Expander** working area, click **Enable 6G-12G Mixed Mode**.
 - Step 5** (Optional) Click **Disable 6g-12G Mixed Mode** to disable the feature.
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Viewing Storage Properties

Before you begin

The server must be powered on, or the properties will not display.

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **Storage** tab and review the following information:

Name	Description
Controller field	PCIe slot in which the controller drive is located.
PCI Slot field	The name of the PCIe slot in which the controller drive is located.
Product Name field	Name of the controller.
Serial Number field	The serial number of the storage controller.
Firmware Package Build field	The active firmware package version number.
Product ID field	Product ID of the controller.
Battery Status field	Status of the battery.
Cache Memory Size field	The size of the cache memory, in megabytes.
Health field	The health of the controller firmware status.
Details field	Link to the details of the controller.

Viewing Network Adapter Properties

Before you begin

The server must be powered on, or the properties will not display.

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **Network Adapters** tab and review the following information:

Name	Description
Slot column	The slot in which the adapter is installed.
Product Name column	The product name for the adapter.
Number of Interfaces column	The number of interfaces for the adapter.
External Ethernet Interfaces	ID —The ID for the external ethernet interface. MAC Address —The MAC address for the external ethernet interface.

Viewing GPU Inventory

The GPU Inventory option is available only on some C-Series servers.

Before you begin

The server must be powered on, or the properties will not display.

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **GPU Inventory** tab and review the following information:

Name	Description
Slot	Slot in which the GPU is installed.
Product Name	Name of the GPU.
GPU Core Count	Number of cores present in the GPU.

Viewing PCI Switch Info

Before you begin

The server must be powered on, or the properties will not display.

Procedure

- Step 1** In the **Navigation** pane, click the **Chassis** menu.
- Step 2** In the **Chassis** menu, click **Inventory**.
- Step 3** In the **Inventory** work pane, click the **PCI Switch Info** tab and review the following information:

Name	Description
Controller column	PCI Slot in which the controller is present.
Controller Type column	Type of PCI switch present in the slot.
Product Name column	Name of the PCI switch.
Manufacturer column	Manufacture of the PCI switch.
Vendor ID column	The switch ID assigned by the vendor.
Sub Vendor ID column	The secondary switch ID assigned by the vendor.
Device ID column	The device ID assigned by the vendor.
Sub Device ID column	The secondary device ID assigned by the vendor.
