Managing Chassis

This chapter includes the following sections:

Chassis Summary

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.
Description field	A user-defined description for the server.
Asset Tag field	A user-defined tag for the server. By default, the asset tag for a new server displays **Unknown**.

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-YYYYYY format, where XXX is the model number and YYYYYY 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	The current date and time according to the Cisco IMC clock. **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.
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.
Overall Server Status field	The overall status of the server. This can be one of the following: • **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**

Name	Description
Temperature field	The temperature status. This can be one of the following: • **Good** • **Fault** • **Severe Fault** You can click the link in this field to view more temperature information.
Overall DIMM Status field	The overall status of the memory modules. This can be one of the following: • **Good** • **Fault** • **Severe Fault** You can click the link in this field to view detailed status information.
Power Supplies field	The overall status of the power supplies. This can be one of the following: • **Good** • **Fault** • **Severe Fault** You can click the link in this field to view detailed status information.
Fans field	The overall status of the power supplies. This can be one of the following: • **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: • **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

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.
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.
Hardware Revision column	The hardware version of the expander.

Name	Description
SAS Address column	The SAS address 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. **Note** You can view up to four speed levels for Server 1 and 2 respectively using the **Filter** icon on the top right hand corner of the **SAS Expander** table. Select the Tick mark next to the speed filter to view the individual speed in the table.

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.

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.
Number of GPUs	Number of GPUs present in the slot.

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.

Name	Description
Device ID column	The device ID assigned by the vendor.
Sub Device ID column	The secondary device ID assigned by the vendor.