Viewing Server Properties

This chapter includes the following sections:

Viewing CPU Properties

Procedure

Step 1 In the **Navigation** pane, click the **Server** tab.

Step 2 On the **Server** tab, click **Inventory**.

Step 3 In the **Inventory** pane, click the **CPUs** tab.

Step 4 Review the following information for each CPU:

Name	Description
Socket Name field	The socket in which the CPU is installed.
Vendor field	The vendor for the CPU.
Status field	The status of the CPU.
Family field	The family to which this CPU belongs.
Speed field	The CPU speed, in megahertz.
Version field	The CPU version.

Name	Description
Number of Cores field	The number of cores in the CPU.
Signature field	The signature information for the CPU.
Number of Threads field	The maximum number of threads that the CPU can process concurrently.

Viewing Memory Properties

Procedure

Step 1 In the **Navigation** pane, click the **Server** tab.

Step 2 On the **Server** tab, click **Inventory**.

Step 3 In the **Inventory** pane, click the **Memory** tab.

Step 4 In the **Memory Summary** area, review the following summary information about memory:

Name	Description
Memory Speed field	The memory speed, in megahertz.
Failed Memory field	The amount of memory that is currently failing, in megabytes.
Total Memory field	The total amount of memory available on the server if all DIMMs are fully functional.
Ignored Memory field	The amount of memory currently not available for use, in megabytes.
Effective Memory field	The actual amount of memory currently available to the server.
Number of Ignored DIMMs field	The number of DIMMs that the server cannot access.
Redundant Memory field	The amount of memory used for redundant storage.
Number of Failed DIMMs field	The number of DIMMs that have failed and cannot be used.
Memory RAS Possible field	Details about what memory configuration the server supports. This can be one of the following: • **Memory configuration can support mirroring** • **Memory configuration can support sparing** • **Memory configuration can support either mirroring or sparing** • **Memory configuration cannot support RAS**

Name	Description
Memory Configuration field	The current memory configuration. This can be one of the following: • **Maximum Performance**—The system automatically optimizes the memory performance. • **Mirroring**—The server maintains two identical copies of the data in memory. This option effectively halves the available memory on the server, as one half is automatically reserved for mirrored copy. • **Sparing**—The system reserves some memory for use in the event a DIMM fails. If that happens, the server takes the DIMM offline and replaces it with the reserved memory. This option provides less redundancy than mirroring, but it leaves more of the memory available for programs running on the server.

Step 5 In the **Memory Details** table, review the following detailed information about each DIMM:

Tip Click a column header to sort the table rows, according to the entries in that column.

Name	Description
Name column	The name of the DIMM slot in which the memory module is installed.
Capacity column	The size of the DIMM.
Channel Speed column	The clock speed of the memory channel, in megahertz.
Channel Type column	The type of memory channel.
Memory Type Detail column	The type of memory used in the device.
Bank Locator column	The location of the DIMM within the memory bank.
Manufacturer column	The vendor ID of the manufacturer. This can be one of the following: • **0x2C00**—Micron Technology, Inc. • **0x5105**—Qimonda AG i. In. • **0x802C**—Micron Technology, Inc. • **0x80AD**—Hynix Semiconductor Inc. • **0x80CE**—Samsung Electronics, Inc. • **0x8551**—Qimonda AG i. In. • **0xAD00**—Hynix Semiconductor Inc. • **0xCE00**—Samsung Electronics, Inc.
Serial Number column	The serial number of the DIMM.

Name	Description
Asset Tag column	The asset tag associated with the DIMM, if any.
Part Number column	The part number for the DIMM assigned by the vendor.
Visibility column	Whether the DIMM is available to the server.
Operability column	Whether the DIMM is currently operating correctly.
Data Width column	The amount of data the DIMM supports, in bits.

Viewing Power Supply Properties

Procedure

Step 1 In the **Navigation** pane, click the **Server** tab.

Step 2 On the **Server** tab, click **Inventory**.

Step 3 In the **Inventory** pane, click the **Power Supplies** tab.

Step 4 Review the following information for each power supply:

Tip Click a column header to sort the table rows, according to the entries in that column.

Name	Description
Device ID column	The identifier for the power supply unit.
Input column	The input into the power supply, in watts.
Max 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 Storage Properties

Procedure

Step 1 In the **Navigation** pane, click the **Server** tab.

Step 2 On the **Server** tab, click **Inventory**.

Step 3 In the **Inventory** pane, click the **Storage** tab.

Step 4 In the **Storage Adapters** area, review the information about the available adapter cards.
This area contains a table listing all MegaRAID and Cisco Flexible Flash controllers on the server that can be managed through CIMC. To view details about a particular storage device, select it in the table and view the information in the tabs below.

If a particular storage device does not appear on this tab it cannot be managed through CIMC. To view the status of an unsupported device, see the documentation for that device.

Tip Click a column header to sort the table rows, according to the entries in that column.

Step 5 In the **Storage Adapters** area, click a row to view the detailed properties of that adapter.
The properties of the selected storage adapter appear in the tabbed menu below the **Storage Adapters** area.

Step 6 Select the **Controller Info** tab and review the information.
If a MegaRAID controller is selected in the **Storage Adapters** table, this tab shows the following information.

- Firmware versions
- PCI information
- Manufacturing information
- Running and startup firmware image information
- Virtual and physical drive counts
- General settings
- Capabilities
- Hardware configuration
- Error counters

If a Cisco Flexible Flash controller is selected in the **Storage Adapters** table, this tab shows the following information.

Area Name	Description
Actions Area	This area contains the following actions: • **Reset Cisco Flex Flash**—Allows you to reset the selected Cisco Flexible Flash controller • **Configure Operational Profile**—Opens a dialog box that allows you to configure the selected Cisco Flexible Flash controller

Area Name	Description
General Area	This area displays basic information about the controller, its status and internal state, and the firmware that it is running.
Physical Drive Count Area	This area displays the number of physical drives. For more information, go to the **Physical Drive Info** tab.
Virtual Drive Count Area	This area displays the number of virtual drives. For more information, go to the **Virtual Drive Info** tab.

Step 7 Select the **Physical Drive Info** tab and review the information.
This tab shows the following information for the controller selected in the **Storage Adapters** table.

- General drive information
- Identification information
- Drive status

Step 8 Select the **Virtual Drive Info** tab and review the information.
This tab shows the following information for the controller selected in the **Storage Adapters** table.

- General drive information
- RAID information
- Physical drive information

Step 9 Select the **Battery Backup Unit** tab and review the information.
This tab shows information about the backup battery on the controller selected in the **Storage Adapters** table.

Note This tab does not apply if you select a Cisco Flexible Flash controller in the **Storage Adapters** table.

Viewing PCI 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 **Server** tab.

Step 2 On the **Server** tab, click **Inventory**.

Step 3 In the **Inventory** pane, click the **PCI Adapters** tab.

Step 4 In the **PCI Adapters** area, review the following information for the installed PCI adapters:

Name	Description
Slot ID column	The slot in which the adapter resides.
Product Name column	The name of the adapter.
Vendor ID column	The adapter ID assigned by the vendor.
Device ID column	The device ID assigned by the vendor.