Viewing Server Properties

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Viewing Server Properties

Procedure

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

Step 2 In the work pane, click **Host Image Mapping** tab.

Step 3 In the **Server Properties** area of the **Server 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.

Name	Description
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.

Viewing CIMC Information

Procedure

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

Step 2 In the work pane, click **Host Image Mapping** tab.

Step 3 In the **Cisco Integrated Management Controller (CIMC) Information** area of the **Server Summary** pane, review the following information:

Name	Description
Hostname field	A user-defined hostname for the CIMC.
IP Address field	The IP address for the CIMC.
MAC Address field	The MAC address assigned to the active network interface to the CIMC.
Firmware Version field	The current CIMC firmware version.
CPLD Version field	The programable hardware logic version.
Hardware Version field	The printed circuit board version.
Current Time field	The current date and time according to the CIMC clock.

Viewing Router Information

Procedure

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

Step 2 In the work pane, click **Host Image Mapping** tab.

Step 3 In the **Router Information** area of the **Server Summary** pane, review the following information:

Name	Description
Router Model field	The model number of the router.
Serial Number field	The serial number of the router.
Slot Number field	The slot number of the router in which the server is installed.

Viewing CPU Properties

Procedure

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

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.
Number of Cores field	The number of cores in the CPU.

Name	Description
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** menu.

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:
Displayed for the E-Series Servers and the SM E-Series NCE. Not displayed for the EHWIC E-Series NCE and the NIM E-Series NCE.

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.

Name	Description
Memory RAS Possible field	Details about the 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 can support lockstep** • **Memory configuration cannot support RAS**
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, because 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. • **Lockstep—**The system uses two memory channels at a time and provides a higher level of protection. This option is most reliable, but it reduces the total memory capacity by one-third.
DIMM Location Diagram	Displays the location of DIMMs in the physical 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.

Name	Description
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.
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** menu.

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.

Name	Description
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

Note This procedure is applicable to E-Series Servers and the SM E-Series NCE. This procedure is not applicable to the EHWIC E-Series NCE and the NIM E-Series NCE.

Procedure

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

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

Step 3 In the **Storage Adapters** area, review the information about the available adapter cards.
This area contains a table listing all RAID 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 4 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 5 Select the **Controller Info** tab and review the information.
If a RAID controller is selected in the **Storage Adapters** table, this tab shows the following information:

- Firmware versions
- PCI information
- Running firmware image information
- Virtual and physical drive counts
- General settings
- Capabilities

- Hardware configuration
- Error counters

Step 6 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
- Security information

Step 7 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 and allows you to create, edit, and clear RAID configuration:

- General drive information
- Physical drive information

Viewing PCI Adapter Properties

Note This procedure is applicable to E-Series Servers and the SM E-Series NCE. This procedure is not applicable to the EHWIC E-Series NCE and the NIM E-Series NCE.

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** menu.
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.
Firmware Version column	The current Cisco IMC firmware version.

Name	Description
Vendor ID column	The adapter ID assigned by the vendor.
Sub Vendor ID column	The secondary adapter 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.

Viewing Power Statistics

Procedure

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

Step 2 On the **Server** tab, click **Power Policies**.

Step 3 In the **Power Statistics** area, review the information in the following fields:

Name	Description
Current Consumption field	The power currently being used by the server, in watts.
Maximum Consumption field	The maximum number of watts consumed by the server since the last time it was rebooted.
Minimum Consumption field	The minimum number of watts consumed by the server since the last time it was rebooted.

Viewing the MAC Address of an Interface

Before You Begin

You must log in as a user with admin privileges to view the system-defined interface names and the MAC address that is assigned to each interface.

Procedure

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

Step 2 On the **Admin** tab, click **Network**.

Step 3 In the **Network** pane, click the **Network Settings** tab.

Step 4 In the **LOM Properties** area, you can view the system-defined interface names and the MAC address that is assigned to each interface.

Viewing the Status of CIMC Network Connections

Before You Begin

You must log in as a user with admin privileges to view the status of the CIMC network connections; whether the link is detected (physical cable is connected to the network interface) or not detected.

Procedure

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

Step 2 On the **Admin** tab, click **Network**.

Step 3 In the **Network** pane, click the **Network Settings** tab.

Step 4 In the **Link State** area, review the following information:

Name	Description
Interface column	The system-defined name of the interface.
Link State column	The status of the CIMC network connection. This can be one of the following: • **Link Detected—**A physical cable is connected to the network interface. • **No Link Detected—**A physical cable is not connected to the network interface.