



## Viewing Server Properties

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## Viewing Server Properties

### Before you begin

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

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <b>scope chassis</b>	Enters chassis command mode.
<b>Step 2</b>	Server /chassis # <b>show detail</b>	Displays server properties.

### Example

This example displays server properties:

```
SERVER# scope chassis
SERVER /chassis # show detail
Power: on
  IOS Lockout: unlocked
  Power Button: unlocked
  Reset Button: unlocked
  Serial Number: FOC26285PD2
  Product Name: UCS E1100D M6
```

```

PID : UCS-E1100D-M6
UUID: 1CD1E026-05D1-0000-2C68-107B2C231D4A
Description:
Asset Tag: Unknown
FPGA Version: 2.0.2
Uptime: 3 hours, 15 minutes
SBFPGA Version: 22.11.8
MCU Version: 240.10
AIKIDO Version: 2711-270
Last Reboot Reason: Flash Reset
SERVER /chassis #

```

## Viewing the Actual Boot Order

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <code>scope bios</code>	Enters BIOS command mode.
<b>Step 2</b>	Server /bios # <code>show actual-boot-order</code>	Displays details of the BIOS status.

### Example

The following examples display actual boot order:

```

Server# scope bios
Server /bios # show actual-boot-order
Boot Order  Type      Boot Device
-----
1   UEFI Image Map    UEFI Image Map
2   Internal EFI Shell Internal EFI Shell
3   UEFI PXE TE3 IPv4 UEFI PXE TE3 IPv4
4   UEFI PXE TE4 IPv4 UEFI PXE TE4 IPv4
5   UEFI PXE GE2 IPv4 UEFI PXE GE2 IPv4
6   UEFI PXE TE0 IPv4 UEFI PXE TE0 IPv4
7   UEFI PXE TE1 IPv4 UEFI PXE TE1 IPv4

```

## Viewing CIMC Information

### Before you begin

Install the CIMC firmware on the server.

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <code>scope cimc</code>	Enters CIMC command mode.

	Command or Action	Purpose
<b>Step 2</b>	Server /cimc # <b>show [detail]</b>	Displays the CIMC firmware, current time, and boot loader version.

### Example

This example shows information about the CIMC:

```
server /cimc # show detail
Cisco IMC:
  Firmware Version: 4.11(0)73
  Current Time: Fri Mar 10 12:22:46 2023
  Boot-loader Version: 4.11(0)73
  Local Time: Fri Mar 10 17:52:46 2023 IST +0530 (NTP)
  Timezone: Asia/Kolkata
  Reset Reason: graceful-rebootE1100D-FOC26071VZY /cimc #
```

## Viewing CPU Properties

### Before you begin

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

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <b>scope chassis</b>	Enters chassis command mode.
<b>Step 2</b>	Server /chassis # <b>show cpu [detail]</b>	Displays CPU properties.

### Example

This example displays CPU properties:

```
server # scope chassis
server /chassis # show cpu
Name          Cores    Version
-----
CPU0          10      Intel(R) Xeon(R) D-1749NT CPU @ 3.00GHz

server /chassis #
```

# Viewing Memory Properties

## Before you begin

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

## Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <b>scope chassis</b>	Enters chassis command mode.
<b>Step 2</b>	Server /chassis # <b>show dimm [detail]</b>	Displays memory properties.

## Example

This example displays memory properties:

```
Server# scope chassis
Server /chassis # show dimm
Name                Capacity          Channel Speed (MHz) Channel Type
-----
CPU0_DIMM_A1       Not Installed     Unknown           Unknown
CPU0_DIMM_A2       Not Installed     Unknown           Unknown
CPU0_DIMM_B1       32768 MB         2400              DDR4
CPU0_DIMM_B2       32768 MB         2400              DDR4
Server /chassis #
```

This example displays detailed information about memory properties:

```
Server# scope chassis
Server /chassis # show dimm detail

Name CPU0_DIMM_A1:
  Capacity: Not Installed
  Channel Speed (MHz): NA
  Channel Type: NA
  Memory Type Detail: NA
  Bank Locator: NA
  Visibility: NA
  Operability: NA
  Manufacturer: NA
  Part Number: NA
  Serial Number: NA
  Asset Tag: NA
  Data Width: NA

Name CPU0_DIMM_A2:
  Capacity: Not Installed
  Channel Speed (MHz): NA
  Channel Type: NA
  Memory Type Detail: NA
  Bank Locator: NA
  Visibility: NA
  Operability: NA
  Manufacturer: NA
  Part Number: NA
  Serial Number: NA
```

```
Asset Tag: NA
Data Width: NA
```

```
Name CPU0_DIMM_B1:
Capacity: 32768 MB
Channel Speed (MHz): 2400
Channel Type: DDR4
Memory Type Detail: Synchronous Registered (Buffered)
Bank Locator: NODE 0
Visibility: Yes
Operability: Operable
Manufacturer: Hynix
Part Number: HMAA4GR8AMR4N-UH
Serial Number: 32657137
Asset Tag: CPU0_DIMM_B1_AssetTag
Data Width: 64 bits
```

```
Name CPU0_DIMM_B2:
Capacity: 32768 MB
Channel Speed (MHz): 2400
Channel Type: DDR4
Memory Type Detail: Synchronous Registered (Buffered)
Bank Locator: NODE 0
Visibility: Yes
Operability: Operable
Manufacturer: Hynix
Part Number: HMAA4GR8AMR4N-UH
Serial Number: 32657031
Asset Tag: CPU0_DIMM_B2_AssetTag
Data Width: 64 bits
```

## Viewing Hard Drive Presence

### Before you begin

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

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <b>scope chassis</b>	Enters chassis command mode.
<b>Step 2</b>	Server /chassis # <b>show hdd</b>	Displays the hard drives.

### Example

This example displays power supply properties:

```
Server# scope chassis
Server /chassis # show hdd
Name                Status
-----
HDD1_STATUS         present
HDD2_STATUS         present
HDD3_STATUS         present
```

```
HDD4_STATUS          present
```

This example displays hard disk presence and details:

```
server /chassis/hdd # show detail
Name HDD1_STATUS:
Status : present
Name HDD2_STATUS:
Status : present
Name HDD3_STATUS:
Status : present
Name HDD4_STATUS:
Status : present
```

## Viewing the MAC Address of an Interface

You can view the system defined interface names and the MAC address that is assigned to each host interface.

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <b>scope cimc</b>	Enters CIMC command mode.
<b>Step 2</b>	Server /cimc # <b>scope network</b>	Enters network command mode.
<b>Step 3</b>	Server /cimc/network # <b>show lom-mac-list [detail]</b>	Displays the system defined interface names and the MAC address that is assigned to each host interface.

### Example

This example shows how to display the system defined interface names and the MAC address that is assigned to each host interface:

```
Server# scope cimc
Server /cimc # scope network
Server /cimc/network # show lom-mac-list
Interface          MAC Address
-----
Console            1C:D1:E0:26:03:12
TE1                1C:D1:E0:26:03:13
GE2                1C:D1:E0:26:03:16
TE3                1C:D1:E0:26:03:14
TE4                1C:D1:E0:26:03:15
Server /cimc/network #
```

## 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.

**Procedure**

	<b>Command or Action</b>	<b>Purpose</b>
<b>Step 1</b>	Server# <b>scope cimc</b>	Enters CIMC command mode.
<b>Step 2</b>	Server /cimc # <b>scope network</b>	Enters CIMC network command mode.
<b>Step 3</b>	Server /cimc/network # <b>show link state [detail]</b>	Displays the status of the CIMC network connections; whether the link is detected (physical cable is connected to the network interface) or not detected.

**Example**

This example displays the status of the CIMC network connections:

```
Server /cimc/network # show link-state detail
Interface                               State
-----
Console                                 Link Detected
TE1                                     No Link Detected
GE2                                     Link Detected
TE3                                     No Link Detected
TE4                                     No Link Detected
Dedicated                               No Link Detected
Server /cimc/network #
```

