



# Viewing Server Properties

This chapter includes the following sections:

- [Viewing Server Properties, on page 1](#)
- [Viewing CMC Properties, on page 2](#)
- [Viewing Server CPU Details, on page 2](#)
- [Viewing Memory Properties, on page 3](#)
- [Viewing PCI Adapter Properties for a Server, on page 4](#)
- [Viewing HDD Details for a Server, on page 5](#)
- [Viewing Storage Adapter Properties for a Server, on page 6](#)
- [Viewing TPM Properties, on page 7](#)

## Viewing Server Properties

### 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>scope server {1   2}</b>	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis /server # <b>show detail</b>	Displays server properties.

### Example

This example displays server properties:

```
Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show
Server ID Power Serial Number Product Name PID UID
-----
-----
2 on FCH183978RD UCS S3260 UCSC-C3X60-SVRNB
207BD0D4-C589-40C1-A73E-EF6E7F773198
Server /chassis /Server #show detail
```

```

Server ID 1:
  Power: off
  Serial Number: FCH1848794D
  Product Name: UCS S3260
  PID: UCSC-C3X60-SVRNB
  UUID: 60974271-A514-484C-BAE3-A5EE4FD16E06
Server /chassis /Server #

```

## Viewing CMC Properties

### 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>scope cmc 1 2</b>	Enters CMC on the chosen SIOC controller command mode.
<b>Step 3</b>	server /chassis/cmc # <b>show detail</b>	Displays the CMC details for the chosen SIOC controller.

This example shows how to view the CMC details:

```

server # scope chassis
server /chassis # scope cmc 1
server /chassis/cmc # show detail
CMC Firmware update initialized.
Please check the status using "show detail"
Server /chassis/cmc # show detail
Firmware Image Information:
  ID: 1
  Name: CMC1
  Serial Number: FCH19117MTU
  Update Stage: NONE
  Update Progress: 100
  Current FW Version: 2.0(10.97)
  FW Image 1 Version: 2.0(10.97)
  FW Image 1 State: RUNNING ACTIVATED
  FW Image 2 Version: 2.0(10.87)
  FW Image 2 State: BACKUP INACTIVATED
  Reset Reason: not-applicable (This provides the reason for the last Cisco IMC reboot.)
server /chassis/cmc #

```

## Viewing Server CPU Details

### Procedure

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

	Command or Action	Purpose
<b>Step 2</b>	Server /chassis # <b>scope server</b> {1   2}	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis /server # <b>show cpu</b>	Displays CPU details for the server.
<b>Step 4</b>	Server# <b>show cpu-pid</b>	Displays the CPU product IDs .

### Example

This example displays the CPU details for the server:

```
Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show cpu
Name          Cores    Version
-----
CPU1          6        Intel(R) Xeon(R) CPU E5-2620 v2 @ 2.10GHz
CPU2          6        Intel(R) Xeon(R) CPU E5-2620 v2 @ 2.10GHz

Server /chassis /Server #show cpu-pid
Socket Product ID          Model
-----
CPU1   UCS-CPU-E52620B      Intel(R) Xeon(R) CPU E5-2620 v2 @ 2.1...
CPU2   UCS-CPU-E52620B      Intel(R) Xeon(R) CPU E5-2620 v2 @ 2.1...

Server /chassis /Server #
```

## Viewing Memory Properties

### 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>scope server</b> {1   2}	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis /server # <b>show dimm</b>	Displays DIMM details for the server.
<b>Step 4</b>	Server# <b>show dimm-pid</b>	Displays the DIMM product IDs.
<b>Step 5</b>	Server# <b>show dimm-summary</b>	Displays the DIMM summary information .

### Example

This example displays the DIMM details for the server.:

```
Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show dimm
Name          Capacity          Channel Speed (MHz) Channel Type
-----
DIMM_A1       16384 MB           1866                DDR3
```

```

DIMM_A2          16384 MB      1866          DDR3
DIMM_B1          16384 MB      1866          DDR3
DIMM_B2          16384 MB      1866          DDR3
DIMM_C1          16384 MB      1866          DDR3
DIMM_C2          16384 MB      1866          DDR3
DIMM_D1          16384 MB      1866          DDR3
DIMM_D2          16384 MB      1866          DDR3
DIMM_E1          16384 MB      1866          DDR3
DIMM_E2          16384 MB      1866          DDR3
DIMM_F1          16384 MB      1866          DDR3
DIMM_F2          16384 MB      1866          DDR3
DIMM_G1          16384 MB      1866          DDR3
DIMM_G2          16384 MB      1866          DDR3
DIMM_H1          16384 MB      1866          DDR3
DIMM_H2          16384 MB      1866          DDR3

```

```
Server /chassis /Server #show dimm-pid
```

Name	Product ID	Vendor ID	Capacity	Speed
DIMM_A1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_A2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_B1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_B2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_C1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_C2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_D1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_D2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_E1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_E2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_F1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_F2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_G1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_G2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_H1	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866
DIMM_H2	UCS-MR-1X162RZ-A	0xCE00	16384 MB	1866

```
Server /chassis /Server #show dimm-summary
```

```
DIMM Summary:
```

```

Memory Speed: 1600 MHz
Total Memory: 262144 MB
Effective Memory: 262144 MB
Redundant Memory: 0 MB
Failed Memory: 0 MB
Ignored Memory: 0 MB
Number of Ignored Dimms: 0
Number of Failed Dimms: 0
Memory RAS possible: Independent Mirroring Lockstep
Memory Configuration: Independent

```

```
Server /chassis /Server #
```

## Viewing PCI Adapter Properties for a Server

### Procedure

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

	Command or Action	Purpose
<b>Step 2</b>	Server /chassis # <b>scope server</b> {1   2}	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis /server # <b>show pci-adapter</b>	Displays PCI adapter details for the server.
<b>Step 4</b>	Server# <b>show pciadapter-pid</b>	Displays the PCI adapter product IDs.

### Example

This example displays the PCI adapter details for the server.:

```

Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show pci-adapter

Slot          Vendor ID  Device ID  SubVendor ID  SubDevice ID  Firmware Version  Product Name
-----
-----
L              0x8086    0x1521     0x1137        0x00d5        0x80000E74... Intel(R) I350 1
Gbps N...
1              0x1cc7    0x0200     0x1cc7        0x0200        N/A              Radian RMS-200
NVRAM card
MLOM          0x1137    0x0042     0x1137        0x0139        4.1(3S1)        Cisco UCS VIC
1227T MLOM
HBA           0x1000    0x005d     0x1137        0x00db        24.12.1-0107    Cisco 12G SAS
Modular ...

Option ROM Status
-----
Loaded
Not-Loaded
Not-Loaded
Loaded

Server /chassis /Server #show pciadapter-pid
Slot  Product ID          Vendor ID  Device ID  SubVendor ID  SubDevice ID
-----
1     UNKNOWN             0x1137    0x0042     0x1137        0x0157
M     UCSC-C3X60-RAID     0x1000    0x005d     0x1137        0x012d

Server /chassis /Server #

```

## Viewing HDD Details for a Server

### 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>scope server</b> {1   2}	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis /server # <b>show hdd-pid</b>	Displays HDD details for the server.

**Example**

This example displays the HDD details for the server:

```
Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show hdd-pid
Disk Controller  Product ID          Vendor      Model
-----
1   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
2   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
3   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
4   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
5   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
6   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
7   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
8   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
9   SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
10  SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
11  SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
12  SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
13  SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400
14  SLOT-MEZZ      UCS-HD4T7KS3-E  TOSHIBA    MG03SCA400

Server /chassis /Server#
```

## Viewing Storage Adapter Properties for a Server

**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>scope server {1   2}</b>	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis /server # <b>show storageadapter</b>	Displays storage adapter details for the server.

**Example**

This example displays the storage adapter details for the server.:

```
Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show storageadapter
PCI Slot      Health          Controller Status  ROC Temperature  Product Name
-----
SLOT-MEZZ     Good            Optimal            48 degrees C    RAID controller for UCS S3260
S...

Serial Number  Firmware Package Build  Product ID  D Battery Status  Cache Memory Size
-----
FCH184972F5   24.7.3-0006             LSI Logic   Optimal           3534 MB
```

```

Boot Drive  Boot Drive is PD
-----
0           false
Server /chassis /Server #

```

## Viewing TPM Properties

### 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>scope server {1   2}</b>	Enters server command mode of server 1 or 2.
<b>Step 3</b>	Server /chassis/server # <b>show tpm-inventory</b>	Displays TPM properties for the server.

### Example

This example displays the TPM properties for the server:

```

Server# scope chassis
Server /chassis #scope server 1
Server /chassis /Server #show tpm-inventory
Version      Presence      Enabled-Status      Active-Status      Ownership Revision
-----
NA           empty         unknown             unknown            unknown  NA

Model          Vendor          Serial
-----

Server chassis /Server#

```

