# 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 5
- Viewing HDD Details for a Server, on page 6
- Viewing Storage Adapter Properties for a Server, on page 7
- Viewing TPM Properties, on page 7


# Viewing Server Properties

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis /server # **show detail**

### DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | Server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | Server /chassis # **scope server** {**1** | **2**} | Enters server command mode of server 1 or 2. |
| **Step 3** | Server /chassis /server # **show detail** | 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              UUID

--------- ----- ------------- ------------- ----------------
-------------------------------------
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

### SUMMARY STEPS

1. server # **scope chassis**
2. server /chassis # **scope cmc** *1|2*
3. server /chassis/cmc # **show detail**

### DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | server /chassis # **scope cmc** *1|2* | Enters CMC on the chosen SIOC controller command mode. |
| **Step 3** | server /chassis/cmc # **show detail** | Displays the CMC details for the chosen SIOC controller. |

This example shows how to view the CMC details:

# Viewing Server CPU Details

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis /server # **show cpu**
4. Server# **show cpu-pid**

### DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | Server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | Server /chassis # **scope server** {**1** \| **2**} | Enters server command mode of server 1 or 2. |
| **Step 3** | Server /chassis /server # **show cpu** | Displays CPU details for the server. |
| **Step 4** | Server# **show cpu-pid** | 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

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis /server # **show dimm**
4. Server# **show dimm-pid**
5. Server# **show dimm-summary**

### DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | Server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | Server /chassis # **scope server** {**1** \| **2**} | Enters server command mode of server 1 or 2. |
| **Step 3** | Server /chassis /server # **show dimm** | Displays DIMM details for the server. |
| **Step 4** | Server# **show dimm-pid** | Displays the DIMM product IDs. |

| | Command or Action | Purpose |
|---|---|---|
| **Step 5** | Server# **show dimm-summary** | 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

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis /server # **show pci-adapter**
4. Server# **show pciadapter-pid**

### DETAILED STEPS

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

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis /server # **show hdd-pid**

### DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | Server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | Server /chassis # **scope server** {**1** \| **2**} | Enters server command mode of server 1 or 2. |
| **Step 3** | Server /chassis /server # **show hdd-pid** | 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

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis /server # **show storageadapter**

### DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | Server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | Server /chassis # **scope server** {**1** | **2**} | Enters server command mode of server 1 or 2. |
| **Step 3** | Server /chassis /server # **show storageadapter** | 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

### SUMMARY STEPS

1. Server # **scope chassis**
2. Server /chassis # **scope server** {**1** | **2**}
3. Server /chassis/server # **show tpm-inventory**

## DETAILED STEPS

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | Server # **scope chassis** | Enters chassis command mode. |
| **Step 2** | Server /chassis # **scope server** {**1** \| **2**} | Enters server command mode of server 1 or 2. |
| **Step 3** | Server /chassis/server # **show tpm-inventory** | 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#
```