Compute Cartridge Management

Compute Cartridges

Compute cartridges consist of up to two Cisco UCS servers. Each individual server is independently manageable through its own CIMC instance, and has its own memory and CPU. The cartridge does not contain any I/O adapters or local storage within it.

Acknowledging a Cartridge Slot in a Chassis

Perform the following procedure to discover the cartridge if the cartridge slot is in the mismatch state.

Note When a cartridge is replaced by another cartridge or relocated to a new slot in the same chassis or a different chassis, it goes into the mismatch state.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **acknowledge cartridge-slot** *chassis-id* / *cartridge-id*	Acknowledges the specified cartridge slot.
Step 2	UCS-A# **commit-buffer**	Commits the transaction to the system configuration.

Example

The following example acknowledges cartridge 1 in chassis 1 and commits the transaction:

```
UCS-A# acknowledge cartridge-slot 1/1
UCS-A* # commit-buffer
UCS-A #
```

Removing a Cartridge from a Chassis

Before you begin

Physically remove the cartridge from its chassis before performing the following procedure.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **remove cartridge** *chassis-num* / *cartridge-num*	Removes the specified cartridge from the specified chassis.
Step 2	UCS-A# **commit-buffer**	Commits the transaction to the system configuration.

Example

The following example removes cartridge 1 in chassis 1 and commits the transaction:

```
UCS-A# remove cartridge 1/1
UCS-A* # commit-buffer
UCS-A #
```

What to do next

If you physically re-install the cartridge, you must re-acknowledge the cartridge to have Cisco UCS Manager rediscover the cartridge.

Showing the Status of Cartridges

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **show cartridge status** [**detail**]	Shows the status of all the cartridges in the Cisco UCS domain.

Example

The following example shows the status of all the cartridges in the Cisco UCS domain:

```
UCS-A# show cartridge status
Cartridge  Slot Status                        PID
---------- --------------------------------- ---
1/1        Equipped                           UCSME-1414
1/2        Equipped                           UCSME-1414
1/3        Equipped                           UCSME-1625
1/4        Equipped                           UCSME-142-M4
1/5        Equipped                           UCSME-2814
1/6        Equipped Not Primary
1/7        Equipped                           UCSME-2814
1/8        Equipped Not Primary
```

The following example shows the detailed status of all the cartridges in the Cisco UCS domain.

```
UCS-A# show cartridge status detail
Cartridge 1/1:
    Product Name: Cisco UCSME-1414
    Presence: Equipped
    PID: UCSME-1414
    Vendor: Cisco Systems Inc
    Serial (SN): FCH19117PPK
    Revision: 0

Cartridge 1/2:
    Product Name: Cisco UCSME-1414
    Presence: Equipped
    PID: UCSME-1414
    Vendor: Cisco Systems Inc
    Serial (SN): FCH19117PPF
    Revision: 0

Cartridge 1/3:
    Product Name: Cisco UCSME-1625
    Presence: Equipped
    PID: UCSME-1625
    Vendor: Cisco Systems Inc
    Serial (SN): FCH1943JC3T
    Revision: 0

Cartridge 1/4:
    Product Name: Cisco UCSME-142-M4
    Presence: Equipped
    PID: UCSME-142-M4
    Vendor: Cisco Systems Inc
    Serial (SN): FCH18367M3W
    Revision: 0

...
```

Showing the Status of all Servers in a Cartridge

You can display the status of all servers in a cartridge from the cartridge mode.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope chassis** *chassis-num*	Enters chassis mode for the specified chassis.
Step 2	UCS-A /chassis# **scope cartridge** *cartridge-id*	Enters cartridge mode for the specified cartridge ID.
Step 3	UCS-A /chassis/cartridge# **show server**	Shows the status for all servers in the specified cartridge.
Step 4	(Optional) UCS-A /chassis/cartridge# **show server detail**	Shows detailed information of all servers in the specified cartridge.

Example

The following example shows the status of all servers in the specified cartridge:

```
UCS-A# scope chassis 1
UCS-A /chassis # scope cartridge 4
UCS-A /chassis/cartridge # show server
Server:
    Instance ID     Model                     Overall Status        Availability
    --------------- ------------------------- --------------------- ------------
                  1 UCSME-1414                Ok                    Unavailable
```

The following example shows detailed information of all servers in the specified cartridge:

```
UCS-A /chassis/cartridge # show server detail

Server:
    Instance ID: 1
    Name:
    User Label:
    Overall Status: Ok
    Oper Qualifier: N/A
    Association: Associated
    Availability: Unavailable
    Discovery: Complete
    Conn Path: A,B
    Conn Status: A,B
    Managing Instance: A
    Admin Power: Policy
    Oper Power: On
    Admin State: In Service
    Product Name: Cisco UCSME-1414
    Equipped PID: UCSME-1414
    Equipped VID: V00
    Vendor: Cisco Systems Inc
    Serial (SN): FCH19117PPF
    Revision: 0
    Mfg Date: 2015-04-17T00:00:00.000
    Presence: Equipped
    Part Number: 68-5701-01
    Memory (MB): 32768
    Effective Memory (MB): 32768
    Operating Memory Speed (MHz): 1600
    Operating Memory Voltage: Regular Voltage
```

```
Cores: 4
Num Of Cores Enabled: 4
Adapters: 0
Eth Host Interfaces: 2
FC Host Interfaces: 0
Burned-In UUID: e9a1623e-6fe9-4f41-a5c6-a8f7c4c00fd5
Dynamic UUID: e9a1623e-6fe9-4f41-a5c6-a8f7c4c00fd5
Current Task 1:
Current Task 2:
```