Managing Compute Cartridges

This part contains the following chapters:

The Cisco UCSME-142 Compute Cartridge

The Cisco UCSME-142 compute cartridge consists of 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.

SUMMARY STEPS

1. UCS-A# **acknowledge cartridge-slot** *chassis-id* / *cartridge-id*
2. UCS-A# **commit-buffer**

DETAILED STEPS

	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.

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.

SUMMARY STEPS

1. UCS-A# **remove cartridge** *chassis-num / cartridge-num*
2. UCS-A# **commit-buffer**

DETAILED STEPS

	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.

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

SUMMARY STEPS

1. UCS-A# **show cartridge status** [**detail**]

DETAILED STEPS

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

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

```
UCS-A# show cartridge status
Server  Slot Status                      PID
------- -------------------------------- ---
1/1     Equipped                         UCSME-142-M4
1/2     Empty
1/3     Empty
1/4     Empty
1/5     Empty
1/6     Empty
1/7     Empty
1/8     Empty
```

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-142-M4
    Presence: Equipped
    PID: UCSME-142-M4
    Vendor: Cisco Systems Inc
    Serial (SN): FCH18037V04
    Revision: 0

Cartridge 1/2:
    Product Name:
    Presence: Empty
    PID:
    Vendor:
    Serial (SN):
    Revision: 0

Cartridge 1/3:
    Product Name:
    Presence: Empty
    PID:
    Vendor:
    Serial (SN):
    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.

SUMMARY STEPS

1. UCS-A# **scope chassis** *chassis-num*
2. UCS-A /chassis# **scope cartridge** *cartridge-id*
3. UCS-A /chassis/cartridge# **show server**
4. (Optional)   UCS-A /chassis/cartridge# **show server detail**

DETAILED STEPS

	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	UCS-A /chassis/cartridge# **show server detail**	(Optional) Shows detailed information of all servers in the specified cartridge.

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-142-M4                 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
    Conn Status: A
    Managing Instance: A
    Admin Power: Policy
    Oper Power: On
    Admin State: In Service
    Product Name: Cisco UCSME-142-M4
```

```
Equipped PID: UCSME-142-M4
Equipped VID: V00
Vendor: Cisco Systems Inc
Serial (SN): JXLCH6P25F
Revision: 0
Mfg Date: 2014-10-10T01:00:00.000
Presence: Equipped
Part Number: 73-15883-05
Memory (MB): 4096
Effective Memory (MB): 4096
Operating Memory Speed (MHz): 1600
Operating Memory Voltage: Regular Voltage
Cores: 4
Num Of Cores Enabled: 4
Adapters: 0
Eth Host Interfaces: 0
FC Host Interfaces: 0
Burned-In UUID: e83a5ee7-9262-4b1a-a93b-56f34fb86f85
Dynamic UUID: 00000000-0000-0000-0000-012323400000
Current Task 1:
Current Task 2:
```