

更换主板后B460 M4刀片服务器发现失败

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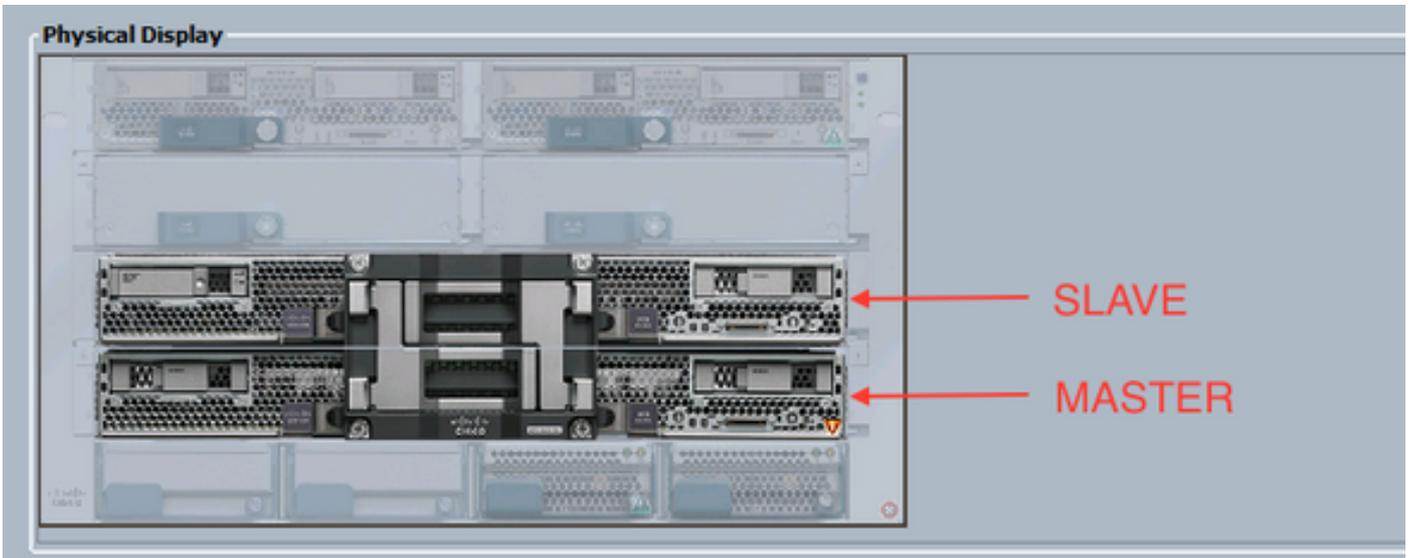
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B460 M4

UCS B460 M4UCS Manager(UCSM)

- B460 M4
- UCS
- 2.2(3b)

B460 M4M4(B260 M4)¹⁷¹⁴¹⁷



3% —

3% CIMCCIMCB460 M4

注意：以下示例显示CIMC固件不匹配，但同一过程适用于不匹配的CIMC、BIOS和主板控制器固件。

Equipment > Chassis > Chassis 1 > Servers > Server 7

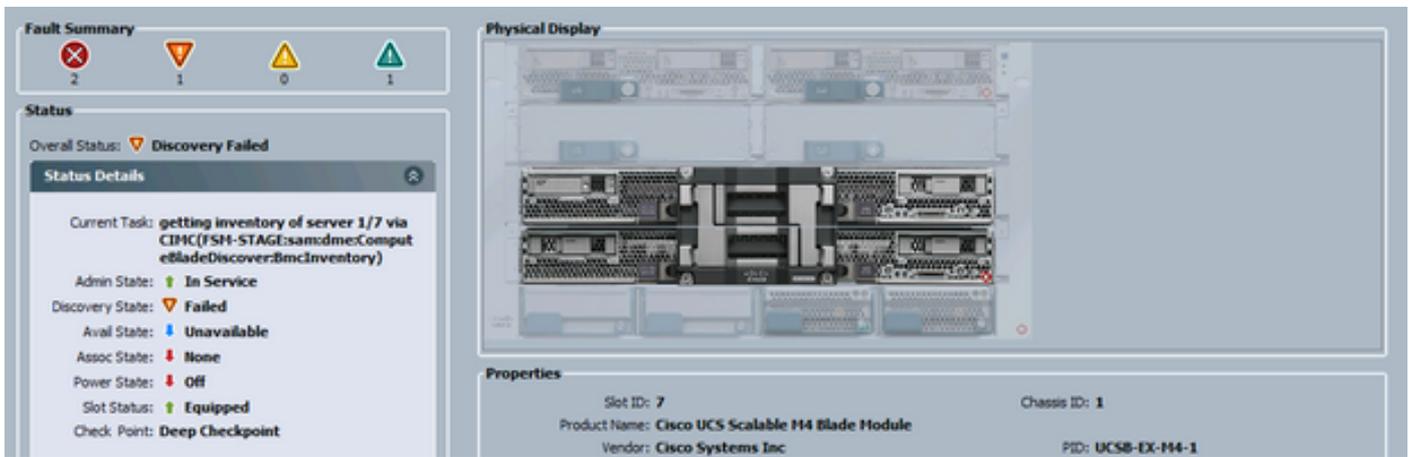
General | Inventory | Virtual Machines | Installed Firmware | CIMC Sessions | SEL Logs | VPD Paths | Faults | Events | PSN | Statistics | Temperatures | Power

PSM Status: **Fail**
 Description:
 Current PSM Name: Discover
 Completed at: 2016-04-21T20:56:20
 Progress Status:
 Remote Invocation Result: **Service Not Supported**
 Remote Invocation Error Code: 630
 Remote Invocation Description: **Aggregate blade CIMC firmware version mismatch. Activate same firmware version on both CIMC**

Step Sequence

Order	Name	Description	Status	Timestamp	Try
1	Discover BMC Presence	checking CIMC of server 1/0/PSM-STAGE...	Success	2016-04-21T20:56:08	1
2	Discover BMC Inventory	getting inventory of server 1/7 via CIMC...	Fail	2016-04-21T20:56:20	1
3	Discover Pre Sanitize		Skip	2009-12-31T19:00:00	0
4	Discover Sanitize		Skip	2009-12-31T19:00:00	0
5	Discover Check Power Availability		Skip	2009-12-31T19:00:00	0
6	Discover Blade Power On		Skip	2009-12-31T19:00:00	0
7	Discover Config Fe Local		Skip	2009-12-31T19:00:00	0
8	Discover Config Fe Peer		Skip	2009-12-31T19:00:00	0
9	Discover Config User Access		Skip	2009-12-31T19:00:00	0
10	Discover MC Presence Local		Skip	2009-12-31T19:00:00	0
11	Discover MC Presence Peer		Skip	2009-12-31T19:00:00	0

Name:
 Status:
 Description:
 Order:
 Try:



可从命令行(CLI)检查不匹配的固件，如下所示。在以下输出中，第一个CIMC是主CIMC，第二个是从CIMC。

```
UCS-A# show system firmware expand detail
```

```
Server 7:
```

```
  CIMC:
```

```
    Running-Vers: 2.2 (3b)
    Package-Vers:
    Update-Status: Ready
    Activate-Status:
    Startup-Vers:
    Backup-Vers: 2.2 (3a)
    Bootloader-Vers: 2.2 (3b) .33
```

```
  CIMC:
```

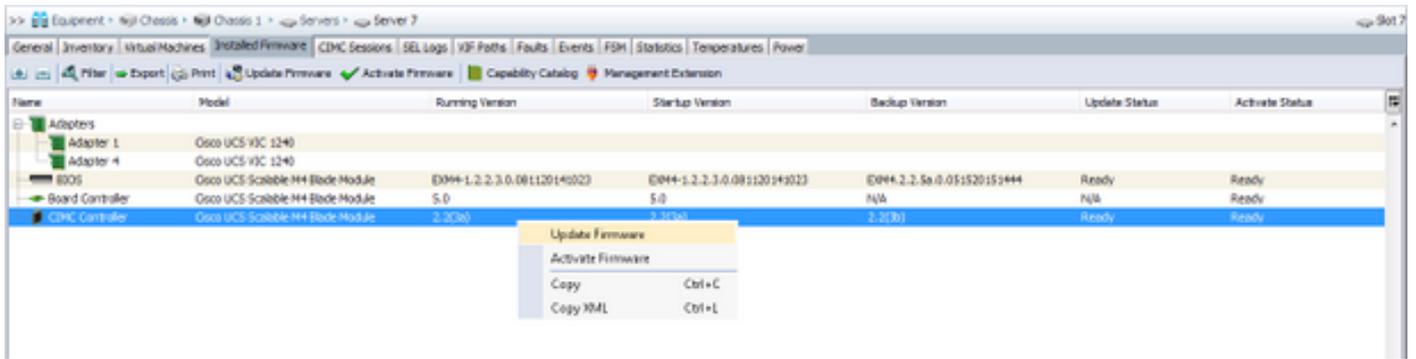
```
    Running-Vers: 2.2 (3a)
    Package-Vers:
    Update-Status: Ready
    Activate-Status:
    Startup-Vers:
    Backup-Vers: 2.2 (3b)
    Bootloader-Vers: 2.2 (3a) .33
```

```
  CIMC:
```

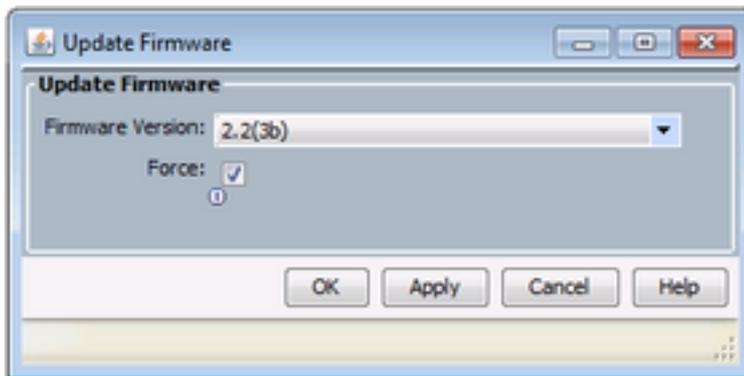
```
    Running-Vers: 2.2 (3b)
    Package-Vers: 2.2 (3b) B
    Update-Status: Ready
    Activate-Status: Ready
    Startup-Vers: 2.2 (3b)
    Backup-Vers: 2.2 (3b)
    Bootloader-Vers: 2.2 (3b) .33
```

1)Equipment > Chassis > Chassis # > Servers > **Server #** > Installed Firmware

2)BIOSCIMC”CIMC2.2(3b)



3)“”“”



提示：如果不清楚需要从下拉列表中选择哪个版本，服务器管理员可以导航到**Equipment > Firmware Management > Packages**，展开ucs-k9-bundle-b-series. *VERSION.B.bin*并查找“ucs-EXM4”。这将包括三个组件：bios(BIOS)、brdprog (主板控制器) 和cimc (CIMC控制器)。

提示：由于主板控制器固件无法降级，如果更换主板附带的主板控制器固件版本不存在于域中的任何刀片系列软件包中，网络管理员可以下载包含所需主板控制器版本固件的刀片系列软件包。要验证哪个刀片系列软件包包含所需的固件，请查看Cisco UCS Manager的发行捆绑包内容文档。

4)Installed FirmwareUpdate Status**Activate StatusReady**Backup Version

提示：服务器管理员可以从**Equipment > Chassis > Chassis # > Servers > Server # > Inventory**选项卡> **CIMC**选项卡> **Update Status**监控更新状态

5)“”“”

- 第 1 步 在导航窗格，请点击Equipment选项卡。
- 步骤 2 在Equipment (设备) 选项卡上，点击Equipment (设备) 节点。
- 步骤 3 在“工作”(Work)窗格中，点击“固件管理”(Firmware Management)选项卡。
在Installed Firmware (已安装固件) 选项卡上，点击Activate Firmware (激活固件)。
- 步骤 4 Cisco UCS Manager GUI打开激活固件对话框并验证Cisco UCS域中所有终端的固件版本。此步骤可能需要几分钟，具体取决于机箱和服务器的数量
从激活固件对话框菜单栏上的过滤器下拉列表中，选择主板控制器。
- 步骤 5 Cisco UCS Manager GUI在激活固件对话框中显示具有板控制器的所有服务器。
- 步骤 6 对于主板控制器，要更新，请从“启动版本”下拉列表中选择最大/最大版本。(注：降级不可能；始终选择要激活的最高版本)
- 步骤 7 Click OK.
- 步骤 8 (可选) 在升级具有不同架构的CPU时，您还可以使用强制板控制器激活选项更新固件版本。例如，从Sandy Bridge升级到Ivy Bridge CPU时。

7% — CPU

7%, — POST/

The screenshot shows the Cisco UCS Manager GUI for a server. The top navigation bar includes tabs for General, Inventory, Virtual Machines, Installed Firmware, CIMC Sessions, SEL Logs, VIF Paths, Faults, Events, FSM, Statistics, Temperatures, and Power. The main content area displays the FSM Status as 'Fail' with a description: 'Current FSM Name: Discover', 'Completed at: 2016-04-22T02:03:29', and 'Progress Status: 7%'. Below this, it shows 'Remote Invocation Result: Intermittent Error' and 'Remote Invocation Error Code: ERR-insufficiently-equipped'. The 'Remote Invocation Description' is 'Pre-boot Hardware config failure - Look at POST/diagnostic results'.

The 'Step Sequence' table is as follows:

Order	Name	Description	Status	Timestamp
1	Discover Bmc Presence	checking CIMC of server 1/7(FSM-STAGE:sam:dme:ComputeBladeDiscover:BmcPresence)	Success	2016-04-22T02:03:07
2	Discover Bmc Inventory	getting inventory of server 1/7 via CIMC(FSM-STAGE:sam:dme:ComputeBladeDiscover:BmcInventory)	Success	2016-04-22T02:03:26
3	Discover Pre Sanitize	Preparing to check hardware configuration server 1/7(FSM-STAGE:sam:dme:ComputeBladeDiscover:PreSan...	Success	2016-04-22T02:03:29
4	Discover Sanitize	Checking hardware configuration server 1/7(FSM-STAGE:sam:dme:ComputeBladeDiscover:Sanitize)	Fail	2016-04-22T02:03:29
5	Discover Check Power Availability		Skip	1969-12-31T19:00:00
6	Discover Blade Power On		Skip	1969-12-31T19:00:00
7	Discover Config Fe Local		Skip	1969-12-31T19:00:00
8	Discover Config Fe Peer		Skip	1969-12-31T19:00:00
9	Discover Config User Access		Skip	1969-12-31T19:00:00
10	Discover Nic Presence Local		Skip	1969-12-31T19:00:00

At the bottom of the window, there are 'Save Changes' and 'Reset Values' buttons.

“(General)”“(Overall Status)”“(Compute Failed)”

Equipment > Chassis > Chassis 1 > Servers > Server 7

General | Inventory | Virtual Machines | Installed Firmware | CMC Sessions | SEL Logs | VIF Paths | Faults | Events | FSM | Statistics | Temperatures | Power

Fault Summary
 3 (Critical), 3 (Warning), 0 (Error), 1 (Info)

Status
 Overall Status: **Compute Failed**

Status Details
 Current Task: **Checking hardware configuration server 1/7(FSM-STAGE:samdme:Compute BladeDiscover:Sanitize)**
 Configuration Error: **compute-post-failure**
 Admin State: **In Service**
 Discovery State: **Failed**
 Avail State: **Unavailable**
 Assoc State: **None**
 Power State: **Off**
 Slot Status: **Equipped**
 Check Point: **Deep Checkpoint**

Physical Display

Properties
 Slot ID: 7 | Chassis ID: 1
 Product Name: **Cisco UCS Scalable M4 Blade Module**
 Vendor: **Cisco Systems Inc** | PID: **UCSB-EX-M4-1**
 Revision: 0 | Serial:
 Name:
 User Label:
 UUID: 00000000-0000-0000-0000-000000000000
 Service Profile:
 Health LED: **Critical** | Oper Qualifier Reason: **WILL_BOOT_FAULT:Sensor Failure Asserted**

Actions
 Create Service Profile
 Associate Service Profile
 Set Desired Power State
 Boot Server

Health and Locator LED Details

Save Changes | Reset Values

“(General)”“(Actions)”“(View Post Results)POSTCPU

POST Results

Filter | Export | Print

Affected object	ID	Type	Code	Created at	Severity	Description
sys/chassis-1/blade-7	4860	server: Cisco Systems Inc UCSB-EX-M4-1	POST-4860	2016-04-22T01:55:07	Critical	CPU Mismatch

Details
 General

ID: 4860 | Local ID: 259
 Type: server: Cisco Systems Inc UCSB-EX-M4-1 | Code: POST-4860
 Created: 2016-04-22T01:55:07 | Severity: Critical
 Recoverable: Non Recoverable | Recoverable Action: Install matching CPU
 Description: CPU Mismatch

OK | Apply | Cancel | Help