

# 無法將HDD狀態從「Unconfigured good」（未配置的好）更改為「JBOD」

## 目錄

[簡介](#)

[必要條件](#)

[需求](#)

[採用元件](#)

[背景資訊](#)

[故障排除步驟](#)

[解析](#)

[相關資訊](#)

## 簡介

本文描述無法將HDD的狀態從「未配置的好」更改為JBOD的情況，因為直通控制器UCSC-SAS12GHBA僅支援JBOD模式

## 必要條件

### 需求

本文件沒有特定需求。

### 採用元件

- UCSC-C220-M4L
- CIMC:3.0.3a
- 2個UCS-HD12TB10KHY-E
- RAID控制器：通過UCSC-SAS12GHBA

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

## 背景資訊

請參閱此處的UCSC-240C-M4L規範

- Cisco 12 Gbps Modular SAS HBA with internal SAS connectivity
  - Supports up to 24 internal drives (only 4 drives supported in this server)
  - Plugs into a dedicated PCIe slot at the rear of the server (slot 1 of riser 1)
  - Supports JBOD only, not RAID, as shown in the below table.

## 故障排除步驟

1. 根據UCSC-C220-M4L的規格表，控制器UCSC-SAS12GHBA支援UCS-HD12TB10KHY-E。  
<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/c220m4-lff-spec-sheet.pdf>

### (2) Cisco 12 Gbps Modular SAS HBA

- If you selected a Cisco 12 Gbps Modular SAS HBA you have the following option:
  - Select up to 4 HDDs listed in [Table 10](#).

Table 10 Available Hot-Pluggable Sled-Mounted HDDs

Product ID (PID)	PID Description	Drive Type	Capacity
HDDs			
UCS-HD8T7KEM	8 TB 12G SAS 7.2K RPM LFF HDD (512e)	SAS	8 TB
UCS-HD4T7KL12G	4 TB 12G SAS 7.2K RPM LFF HDD	SAS	4 TB
UCS-HD2T7KL12G	2 TB 12G SAS 7.2K RPM LFF HDD	SAS	2 TB
UCS-HD10T7KEM	10 TB 12G SAS 7.2K RPM LFF HDD (512e)	SAS	10 TB
UCS-HD6T7KEM	6 TB 12G SAS 7.2K RPM LFF HDD (512e)	SAS	6 TB
UCS-HD1T7KL12G	1 TB 12G SAS 7.2K RPM LFF HDD	SAS	1 TB
UCS-HD10T7KL4K <sup>1</sup>	10 TB 12G SAS 7.2K RPM LFF HDD (4K sector format)	SAS	10 TB
UCS-HD8T7KL4K <sup>1</sup>	8 TB 12G SAS 7.2K RPM LFF HDD (4K sector format)	SAS	8 TB
UCS-HD6T7KL4K <sup>1</sup>	6 TB 12G SAS 7.2K RPM LFF HDD (4K sector format)	SAS	6 TB
UCS-HD2T7KL6GA	2 TB 6G SATA 7.2K RPM LFF HDD	SATA	2 TB
<a href="#">UCS-HD12TB10KHY-E</a>	1.2 TB 3.5 inch 12G SAS 10K RPM HDD	SAS	1.2 TB
UCS-HD600G15KHY-E	600 GB 3.5 inch Hybrid 6G SAS 15K RPM HDD	SAS	600 GB
UCS-HD300G15KHY-E	300 GB 3.5 inch Hybrid 6G SAS 15K RPM HDD	SAS	300 GB

2. CIMC>庫存>儲存>控制器/VD屬性中沒有選項可將HDD狀態設定/更改為JBOD。

Cisco Integrated Management Controller

admin@192.168.4.69 - C220-FCH2139V0V5

/ ... / UCSC-SAS12GHBA (SLOT-HBA) / Physical Drive Info

Refresh | Host Power | Launch KVM | Ping | Reboot | Locator LED

Controller Info | Physical Drive Info

Physical Drives

Set as Boot Drive

Controller	Physical Drive Number	Status	Health	Boot Drive	Drive Firmware	Coerced Size
<input type="checkbox"/> SLOT-HBA	5	Unconfigured	Good	true	N004	1144641 MB
<input type="checkbox"/> SLOT-HBA	6	Unconfigured	Good	false	N004	1144641 MB

Cisco Integrated Management Controller

admin@192.168.4.69 - C220-FCH2139V0V5

/ ... / UCSC-SAS12GHBA (SLOT-HBA) / Controller Info

Refresh | Host Power | Launch KVM | Ping | Reboot | Locator LED

Controller Info | Physical Drive Info

Preboot CLI Version: N/A  
 NITEL-IT version: N/A  
 Web BIOS Version: N/A  
 NVDATA Version: 0b.01.00.0f  
 Boot Block Version: N/A  
 Boot Version: N/A

Physical Drive Count

Disk Present Count: 2  
 Critical Disk Count: 0  
 Failed Disk Count: 0

Clear Boot Drive

Health/Status

Composite Health: ✔ Good  
 Controller Status: Optimal  
 Chip Temperature: 41

Firmware Versions

Product Name: UCSC-SAS12GHBA  
 Serial Number: 580bcbeac420800  
 Firmware Package Build: 11.00.00.10

PCI Info

PCI Slot: SLOT-HBA  
 Vendor ID: 1000  
 Device ID: 0000

HW Configuration

Controller SAS Address: 580bcbeac420800  
 Flash Present: true  
 Flash Size: 0 MB  
 Number Of Backend Ports: 0

Error Counters

Memory Correctable Errors: 0  
 Memory Uncorrectable Errors: 0

3.從CLI檢查控制器設定的狀態，控制器顯示JBOD已啟用：

```
C220-FCH2139V0V5 /chassis/storageadapter # show settings
PCI Slot SLOT-HBA:
  Info Valid: Yes
  Enable JBOD Mode: true
  Info Invalid Cause:
  Predictive Fail Poll Interval: 0 sec
  Rebuild Rate: 0 %
  Patrol Read Rate: 0 %
  Consistency Check Rate: 0 %
  Reconstruction Rate: 0 %
  Cache Flush Interval: 0 sec
  Max Drives to Spin Up at Once: 0
  Delay Among Spinup Groups: 0 sec
  Physical Drive Coercion Mode: None
  Cluster Mode: false
  Battery Warning: false
  ECC Bucket Leak Rate: 0 min
  Expose Enclosure Devices: false
  Maintain PD Fail History: false
  Enable Copyback on SMART: false
  Enable Copyback to SSD on SMART Error: false
  Native Command Queuing: enabled
  Enable Spin Down of Unconfigured Drives: false
  Enable SSD Patrol Read: false
  AutoEnhancedImport: false
C220-FCH2139V0V5 /chassis/storageadapter #
```

4. CIMC CLI中沒有將HDD狀態更改/設定為JBOD的選項。
- 5.伺服器重新啟動時，會提示選擇CTRL+C進入UCSC-SAS12GHBA的Web bios實用程式。但是webbios沒有選項可以更改物理驅動器狀態。

## 解析

通過控制器UCSC-SAS12GHBA管理硬碟時，硬碟將保持「未配置良好」狀態。

在未配置的正常驅動器上安裝Windows 2012 R2後 — HDD#1，安裝完成。

安裝後，驅動器 — HDD#1繼續處於「Unconfigured Good (未配置完好)」狀態。

## 相關資訊

[CSCvi74706](#) - CIMC GUI — UCSC-SAS12GHBA