

无法将HDD状态从未配置正常更改为JBOD

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简介

本文描述无法将HDD状态从未配置良好更改为JBOD的情况，因为UCSC-SAS12GHBA仅支持JBOD模式

先决条件

要求

本文档没有任何特定的要求。

使用的组件

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

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

背景信息

请参阅此处的UCSC-240C-M4L规格[规格](#)

- 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.

故障排除步骤

1. 根据UCSC-C220-M4L的规格表，控制器UCSC-SAS12GHBA支持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 ¹	10 TB 12G SAS 7.2K RPM LFF HDD (4K sector format)	SAS	10 TB
UCS-HD8T7KL4K ¹	8 TB 12G SAS 7.2K RPM LFF HDD (4K sector format)	SAS	8 TB
UCS-HD6T7KL4K ¹	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
UCS-HD12TB10KHY-E	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>Inventory>Storage>Controller/VD属性中没有选项可将HDD状态设置/更改为JBOD。

Cisco Integrated Management Controller

admin@192.168.4.69 - C220-FCH2139V0V5

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

Controller Info | Physical Drive Info

Physical Drives

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

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: 00

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.从CLI检查控制器设置的状态，控制器显示JBOD已启用：

```
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中没有选项可用于将HDD状态更改/设置为JBOD。
- 5.服务器重新启动时，会提示选择CTRL+C进入UCSC-SAS12GHBA的Web BIOS实用程序。但是，WebBIOS也没有更改物理驱动器状态的选项。

分辨率

当通过控制器UCSC-SAS12GHBA进行管理时，HDD将保持“未配置的良好”状态。

在未配置好的驱动器上安装Windows 2012 R2后，HDD#1已完成安装。

在安装后，驱动器 — HDD#1继续保持未配置的良好状态。

相关信息

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