

配置C系列的存储设备配置文件集成有Cisco UCS Manager的服务器

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简介

本文描述如何配置C系列集成的服务器的存储设备配置文件有Cisco UCS Manager的。存储设备配置文件LUNsLUN

使用的组件

配置

创建磁盘组策略

此示例使用disk6-7创建RAID将使用赢得LUN的1音量。您能也使用系统选择磁盘的自动磁盘组配置，此示例使用手工的设置演示目的，万一要手工分配磁盘

Properties

Name: **qam-c220-boot**

Description:

RAID Level: **RAID 1 Mirrored**

Disk Group Configuration (Automatic)
 Disk Group Configuration (Manual)

Disk Group Configuration (Manual)

Filter | Export | Print

Slot Number	Role	Span ID
6	Normal	Unspecified
7	Normal	Unspecified

创建存储设备配置文件

在创建磁盘组以后请创建存储设备配置文件，并且在存储设备配置文件内请创建引导程序LUN & 数据LUN

Local LUNs | Controller Definitions | Faults

Filter | Export | Print

Name	RAID Level	Size (MB)	Config State	Deploy Name	LUN ID	Drive State
100gb	RAID 1 Mirrored	0	Not Applied			
Data	RAID 1 Mirrored	0	Not Applied			

Details

Actions

- Set LUN Name
- Rename Referenced LUN
- Set Online
- Set Undeployed
- Claim Unbound LUN

LUN Details

Profile LUN Name: **100gb** Order: **Not Applicable**

RAID Level: **RAID 1 Mirrored** Size (MB) **0**

Configured Size (GB) **100** Admin State: **Online**

Config State: **Not Applied** Bootable **Disabled**

Deployed LUN Details

LUN New Name: Referenced LUN Name:

Deploy Name: LUN ID:

Properties

Name: **100gb**

Size (GB):

Fractional Size (MB):

Auto Deploy: Auto Deploy No Auto Deploy

Expand To Available:

Select Disk Group Configuration: **qam-c220-boot**

Create Disk Group Policy

Properties

Name: **Data**

Size (GB):

Fractional Size (MB):

Auto Deploy: Auto Deploy No Auto Deploy

Expand To Available:

Select Disk Group Configuration: + Create Disk Group Policy

注释的一些工作此处

1. 因为服务档案没有应用，可启动禁用

2. 控制器定义域被离开空。它只与内部PCH控制器一起使用内部SSDs。PCH控制器定义提供了能力SSDsLUN RAIDPCH



创建根据引导程序LUN的引导程序策略

上述示例创建lun打算是引导程序lun的名为100gb。因此请相应地创建引导程序策略并且适用于服务档案

Actions

- Delete
- Show Policy Usage
- Use Global

Properties

Name: **100GB_Lun**

Description:

Owner: **Local**

Reboot on Boot Order Change:

Enforce vNIC/vHBA/iSCSI Name:

Boot Mode: Legacy Uefi

Warning

The type (primary/secondary) does not indicate a boot order presence.
 The effective order of boot devices within the same device class (LAN/Storage/iSCSI) is determined by PCIe bus scan order.
 If **Enforce vNIC/vHBA/iSCSI Name** is selected and the vNIC/vHBA/iSCSI does not exist, a config error will be reported.
 If it is not selected, the vNICs/vHBAs are selected if they exist, otherwise the vNIC/vHBA with the lowest PCIe bus scan order is used.

Local Devices

- Local Devices
- CIMC Mounted vMedia
- vNICs
- vHBAs
- iSCSI vNICs
- EFI Shell

Boot Order

Name	Order	vNIC/vHBA/iSCSI vNIC	Type	LUN Name	WWN	Slot Number	Boot Name	Boot Path	Description
Local CD/DVD	1								
Local LUN	2		Primary	100gb					

验证

在应用对服务器的服务档案前，请确保用于磁盘组的磁盘在“没有配置的好”状态，其他错误状态不足的磁盘在服务档案关联时将发生。此示例使用的Disk6-7，因此他们应该在“没有配置好”，如果他们“联机”状态或“Jbod”，然后用鼠标右键单击在这些磁盘并且选择‘对好的设置的没有配置的好’

Name	Size (MB)	Serial	Operability	Drive State	Presence	Technology	Bootable
Storage Controller PCH 3							
Storage Controller SAS 1							
Disk 1	285148	Z0K0HDQ80000C5382LBF	Operable	Online	Equipped	HDD	False
Disk 2	285148	Z0K0HCR90000C5393GJW	Operable	Online	Equipped	HDD	False
Disk 3	285148	Z0K0HF2P0000C5380LV8	Operable	Online	Equipped	HDD	False
Disk 4	285148	Z0K0HEYQ0000C53812RN	Operable	Online	Equipped	HDD	False
Disk 5	285148	Z0K0HDTX0000C5390KU8	Operable	Unconfigured Good	Equipped	HDD	False
Disk 6	285148	Z0K0HF5R0000C5380LV0	Operable	Unconfigured Good	Equipped	HDD	False
Disk 7	285148	Z0K0GP4W0000C533116U	Operable	Unconfigured Good	Equipped	HDD	False

故障排除

一旦服务档案顺利地应用，设置应该看起来某事下面

Name	RAID Level	Size (MB)	Config State	Deploy Name	LUN ID	Drive State
100gb	RAID 1 Mirrored	102400	Applied	100gb	1000	optimal
Data	RAID 1 Mirrored	102400	Applied	Data	1001	optimal

Actions

- Set LUN Name
- Rename Referenced LUN
- Set Online
- Set Undeployed
- Claim Orphaned LUN

LUN Details

Profile LUN Name: **100gb** Order: **Not Applicable**
RAID Level: **RAID 1 Mirrored** Size (MB) **102400**
Configured Size (GB) **100** Admin State: **Online**
Config State: **Applied** Bootable **Enabled**

Deployed LUN Details

LUN New Name: Referenced LUN Name: **100gb**
Deploy Name: **100gb** LUN ID: **1000**
Drive State: **optimal**

Name	RAID Level	Size (MB)	Config State	Deploy Name	LUN ID	Drive State
100gb	RAID 1 Mirrored	102400	Applied	100gb	1000	optimal
Data	RAID 1 Mirrored	102400	Applied	Data	1001	optimal

Actions

- Set LUN Name
- Rename Referenced LUN
- Set Online
- Set Undeployed
- Claim Orphaned LUN

LUN Details

Profile LUN Name: **Data** Order: **Not Applicable**
RAID Level: **RAID 1 Mirrored** Size (MB) **102400**
Configured Size (GB) **100** Admin State: **Online**
Config State: **Applied** Bootable **Disabled**

Deployed LUN Details

LUN New Name: Referenced LUN Name: **Data**
Deploy Name: **Data** LUN ID: **1001**
Drive State: **optimal**

General										Inventory	Virtual Machines	Hybrid Display	Installed Firmware	SEL Logs	CIMC Sessions	VIF Paths	Power Control Monitor	Faults	Events	FSM	Health	Statistics	Temperatures	Power			
Motherboard										CIMC	CPUs	GPUs	Memory	Adapters	HBA's	NICs	iSCSI vNICs	Storage									
Controller										LUNs	Disks																
+										-	Filter	Export	Print														
Name	Size (MB)	Serial	Operability	Drive State	Presence	Technology	Bootable																				
Storage Controller PCH 3										Storage Controller SAS 1																	
Disk 1	285148	Z0K0HDQ80000C5382LBF	Operable	Unconfigured Good	Equipped	HDD	False																				
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Motherboard										CIMC	CPUs	GPUs	Memory	Adapters	HBA's	NICs	iSCSI vNICs	Storage									
Controller										LUNs	Disks																
+										-	Filter	Export	Print														
Name	Size (MB)	Raid Type	Config State	Deploy Action	Operability	Presence	Bootable																				
Storage Controller PCH 3										Storage Controller SAS 1																	
Virtual Drive 100gb	102400	RAID 1 Mirrored	Applied	No Action	Operable	Equipped	true																				
Virtual Drive Data	102400	RAID 1 Mirrored	Applied	No Action	Operable	Equipped	false																				