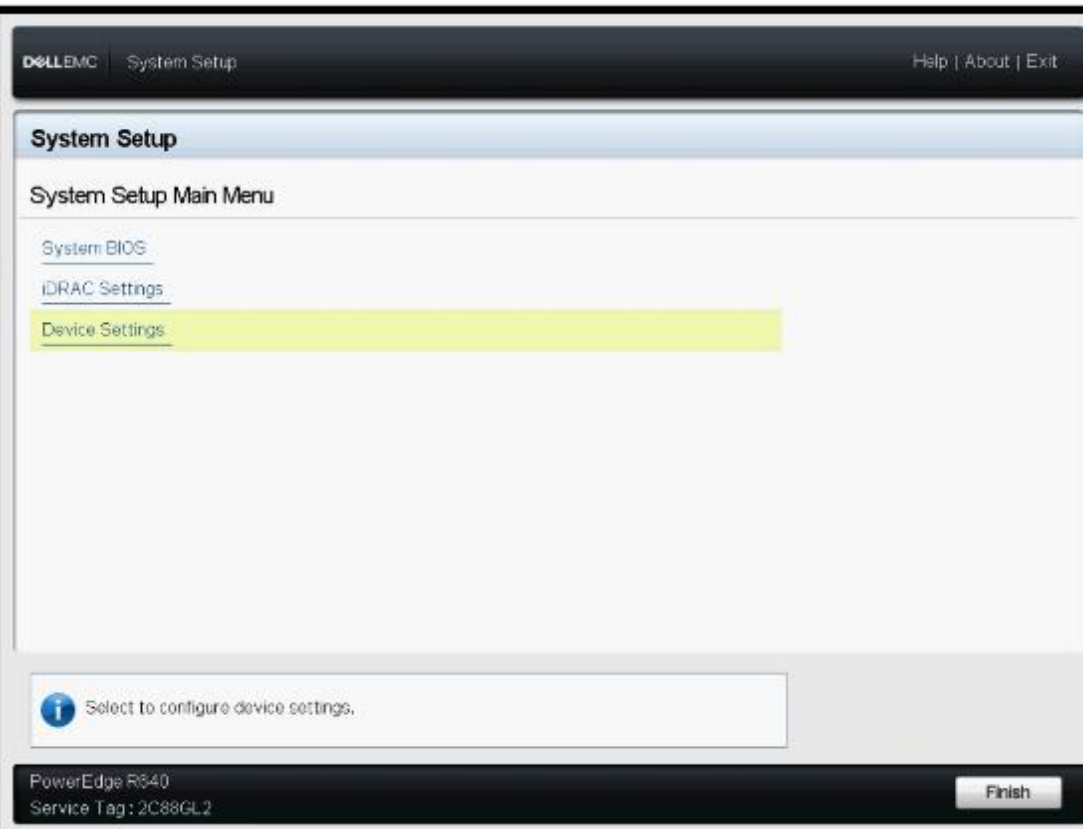


14G 服务器之 F2 创建 raid 篇

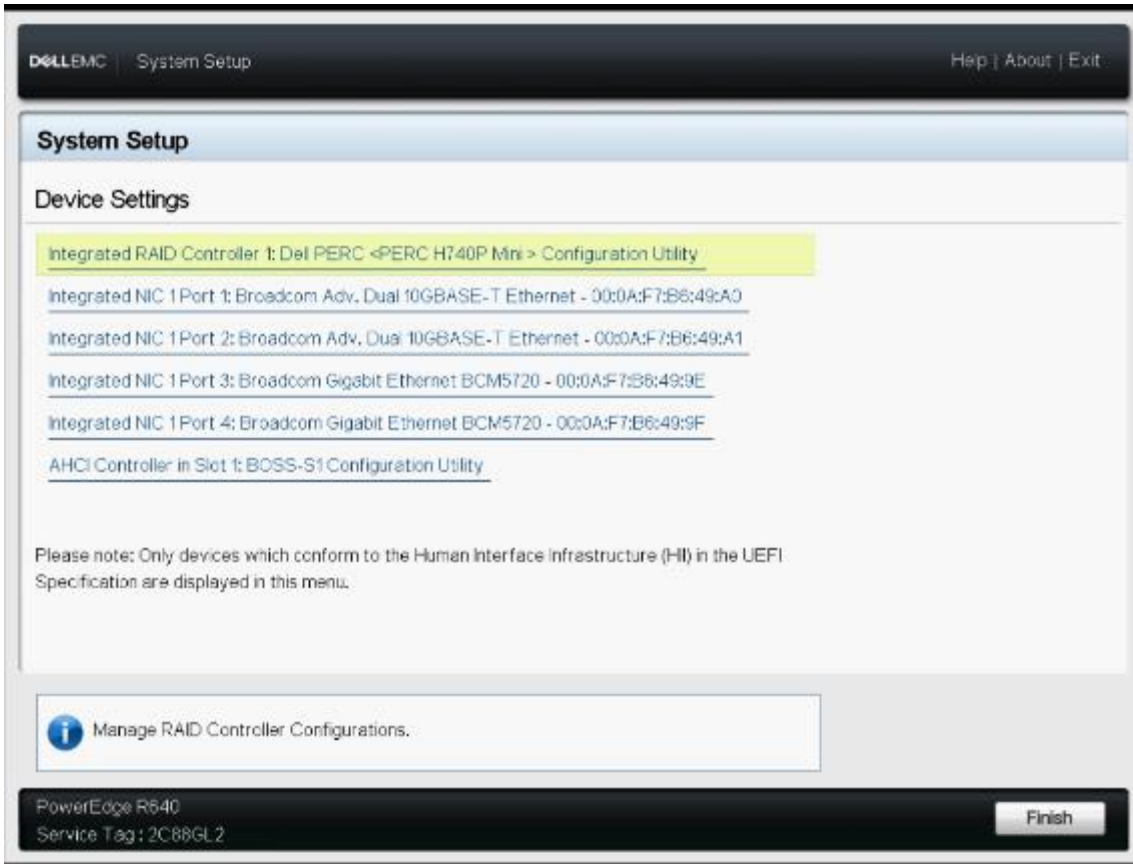
一、开机按 “F2”：



二、选择 “Device Settings”：



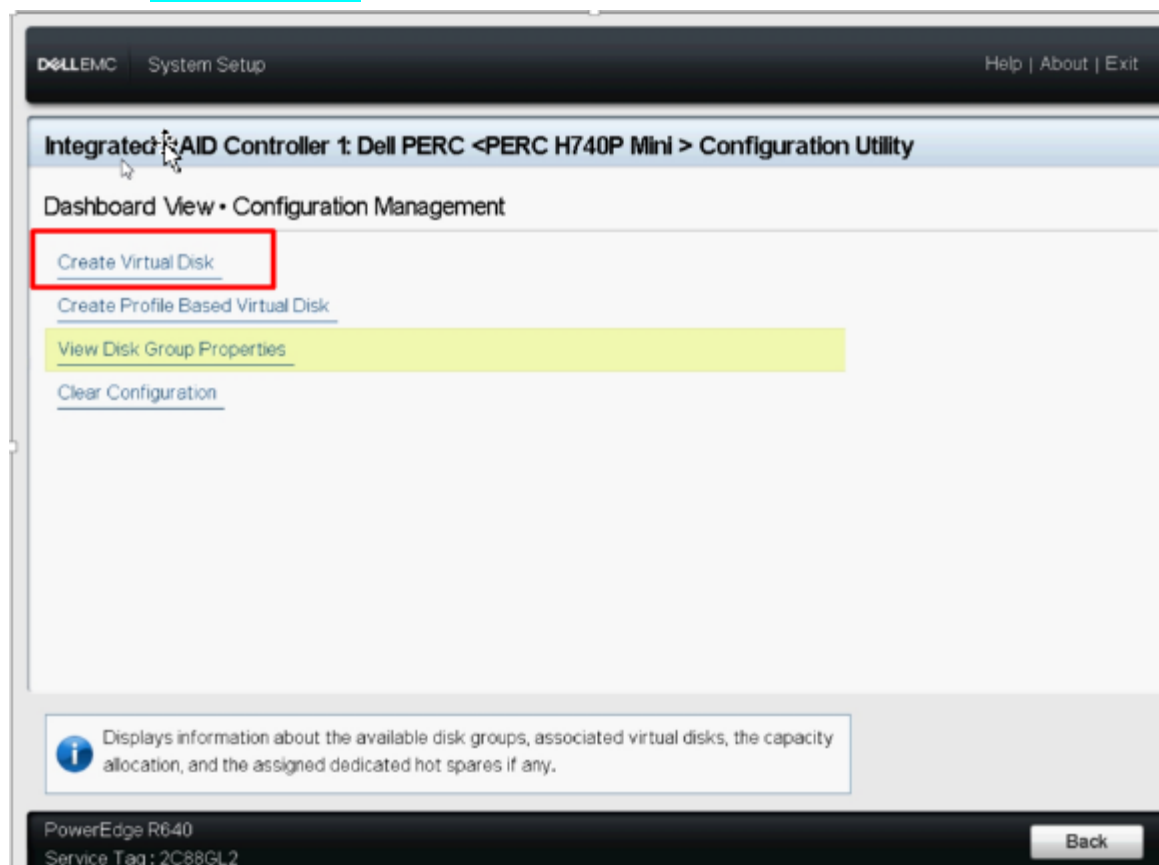
三、选择需要执行操作的 raid card “Integrated RAID Controller...”,再点选【Finish】进入下一界面:



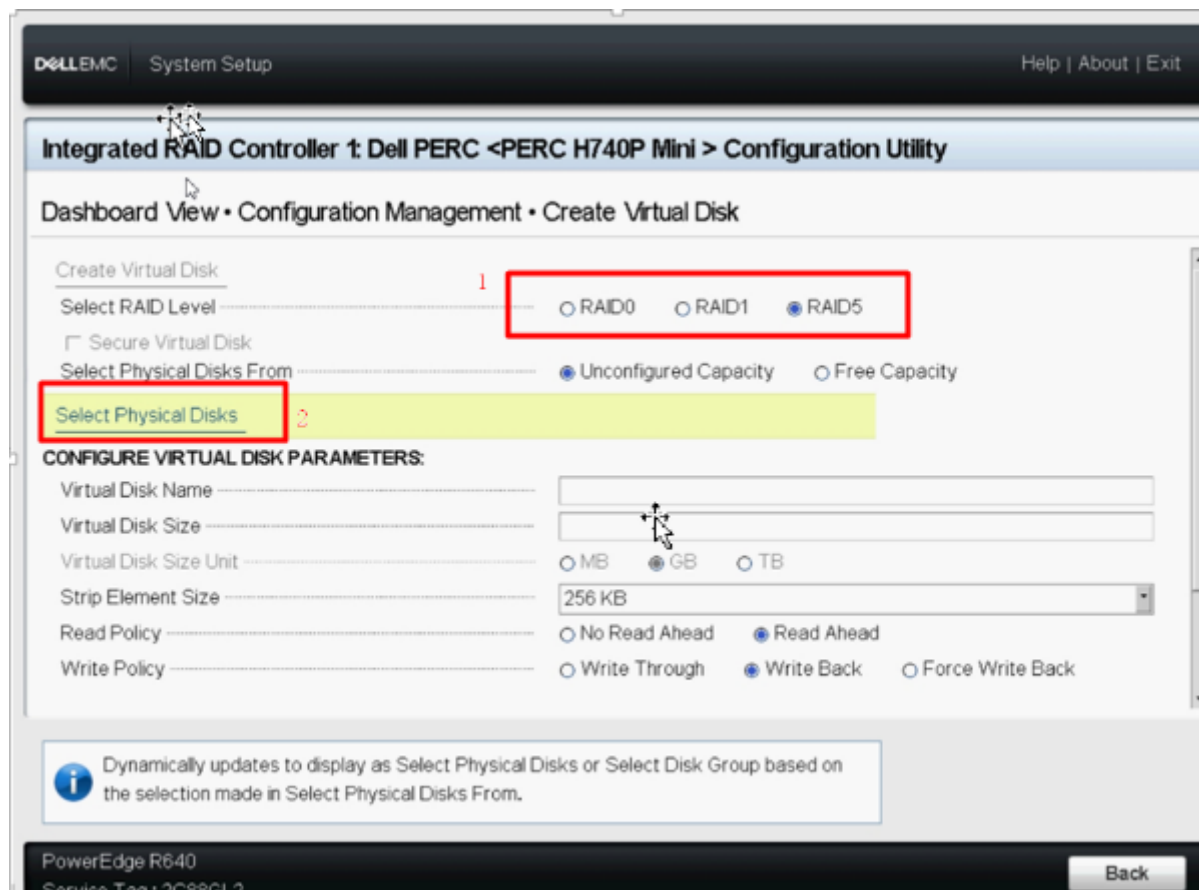
四、选择 “Configuration Management” :



五、选择“**Create Virtual Disk**”进行创建虚拟磁盘：



六、先勾选“**Select RAID Level**”的 raid 类型，再点选“**Select Physical Disks**”



七、在以下界面，勾选“需要配备的硬盘”，例如若创建 raid5 需要勾选 3 块或以上的硬盘。
然后点选“Apply Changes”。

DELL EMC System Setup Help | About | Exit

Integrated RAID Controller 1: Dell PERC <PERC H740P Mini > Configuration Utility

Dashboard View • Configuration Management • Select Physical Disks

Apply Changes 2

Select Media Type: ☐ SSD ☒ HDD ☐ Both

Select Interface Type: ☐ SAS ☐ SATA ☒ Both

Logical Sector Size: ☐ 512 B ☐ 4 KB ☒ Both

CHOOSE UNCONFIGURED PHYSICAL DISKS:

☒ Physical Disk 00:01:00: HDD, SAS, 1.818TB, Ready, (4KB) 1

☒ Physical Disk 00:01:01: HDD, SAS, 1.818TB, Ready, (4KB)

☒ Physical Disk 00:01:02: HDD, SAS, 1.818TB, Ready, (4KB)

[Check All](#)

[Uncheck All](#)

[Apply Changes](#)

i Submits the changes made to the entire form.

PowerEdge R640 Service Tag: 2C88GL2 [Back](#)

八、将会到如下界面，确认所创建的 raid 信息无误后. 并且点击快速格式化，点选“Create Virtual Disk”

DELL EMC System Setup Help | About | Exit

Integrated RAID Controller 1: Dell PERC <PERC H740P Mini > Configuration Utility

Dashboard View • Configuration Management • Create Virtual Disk

Create Virtual Disk

Select RAID Level: ☐ RAID0 ☐ RAID1 ☒ RAID5

☐ Secure Virtual Disk

Select Physical Disks From: ☒ Unconfigured Capacity ☐ Free Capacity

[Select Physical Disks](#)

CONFIGURE VIRTUAL DISK PARAMETERS:

Virtual Disk Name:

Virtual Disk Size:

Virtual Disk Size Unit: ☐ MB ☐ GB ☒ TB

Strip Element Size:

Read Policy: ☐ No Read Ahead ☒ Read Ahead

Write Policy: ☐ Write Through ☒ Write Back ☐ Force Write Back

i Submits the changes made to the entire form and creates a virtual disk with the specified parameters.

PowerEdge R640 Service Tag: 2C88GL2 [Back](#)

RAID Controller in Slot 4: Dell PERC <PERC H330 Adapter> Configuration Utility

Main Menu • Configuration Management • Create Virtual Disk


Select Physical Disks From ☒ Unconfigured Capacity ☐ Free Capacity

Select Physical Disks

CONFIGURE VIRTUAL DISK PARAMETERS:

Virtual Disk Name	Raid1
Virtual Disk Size	1,745
Virtual Disk Size Unit	<input type="radio"/> MB <input type="radio"/> GB <input checked="" type="radio"/> TB
Strip Element Size	<input checked="" type="radio"/> 64 KB
Read Policy	<input checked="" type="radio"/> No Read Ahead <input type="radio"/> Read Ahead
Write Policy	<input type="radio"/> Write Back <input checked="" type="radio"/> Write Through <input type="radio"/> Force Write
Disk Cache	<input checked="" type="radio"/> Default <input type="radio"/> Enable <input type="radio"/> Disable
Default Initialization	<input type="radio"/> No <input checked="" type="radio"/> Fast <input type="radio"/> Full

Create Virtual Disk

 Submits the changes made to the entire form and creates a virtual disk with the specified parameters.

PowerEdge R740

九、勾选“Confirm”,然后点选“Yes”

DELL EMC | System Setup | About | Exit

Integrated RAID Controller 1: Dell PERC <PERC H740P Mini > Configuration Utility

Dashboard View • Configuration Management • Success

Creating Virtual Disks will cause the data on the associated Physical Disks to be permanently deleted.

Are you sure you want to continue with this operation?

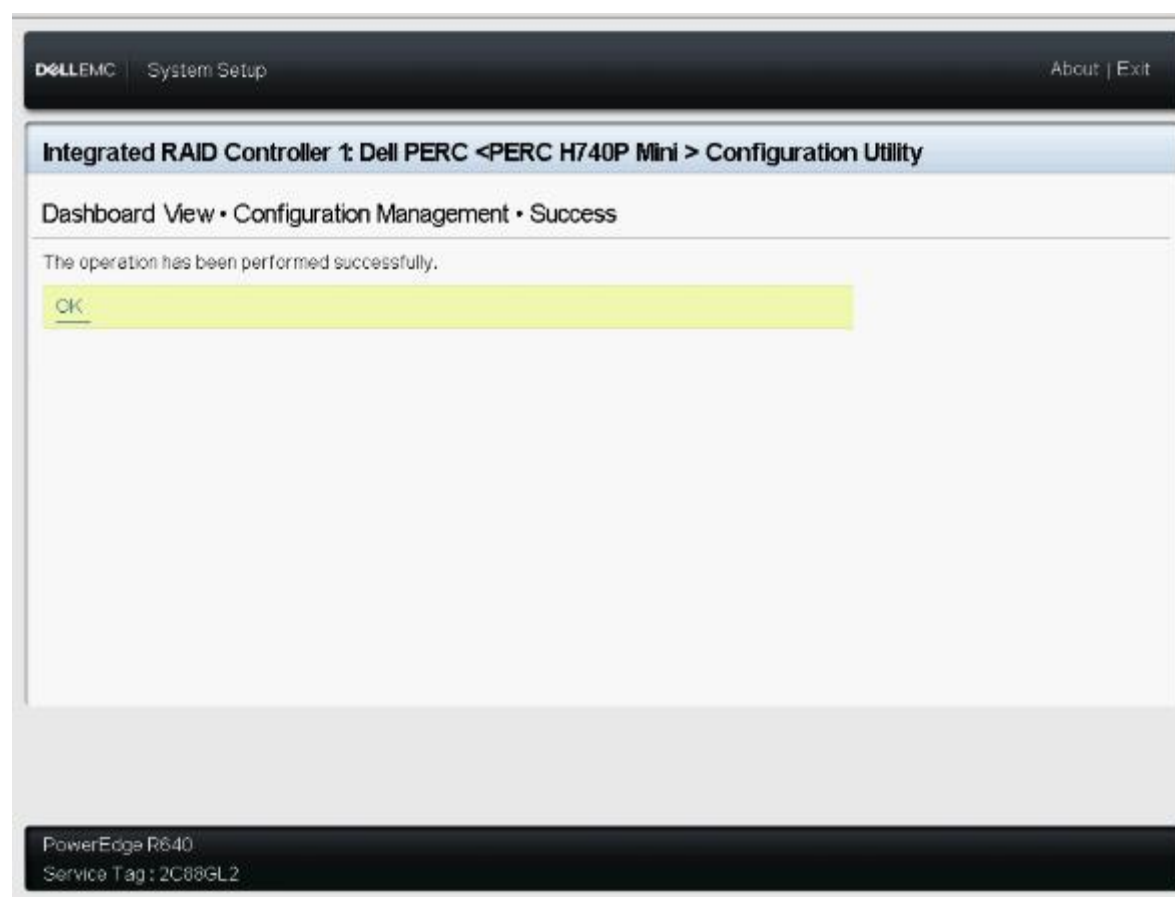
☒ Confirm

Yes

No

PowerEdge R640
Service Tag : 2C88GL2

十、点选“OK”



十一、Raid 创建完成.

Integrated RAID Controller 1: Dell PERC <PERC H740P Mini > Configuration Utility

Dashboard View • Configuration Management • Create Virtual Disk

Additional Virtual Disks cannot be created due to insufficient capacity or absence of configurable Physical Disks.



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