

PERC H330_H730 配置手册

此文档为自行整理，非官方提供资料，仅供参考。疏漏之处敬请反馈。

对 RAID 进行操作很可能会导致数据丢失，请在操作之前务必将重要数据妥善备份

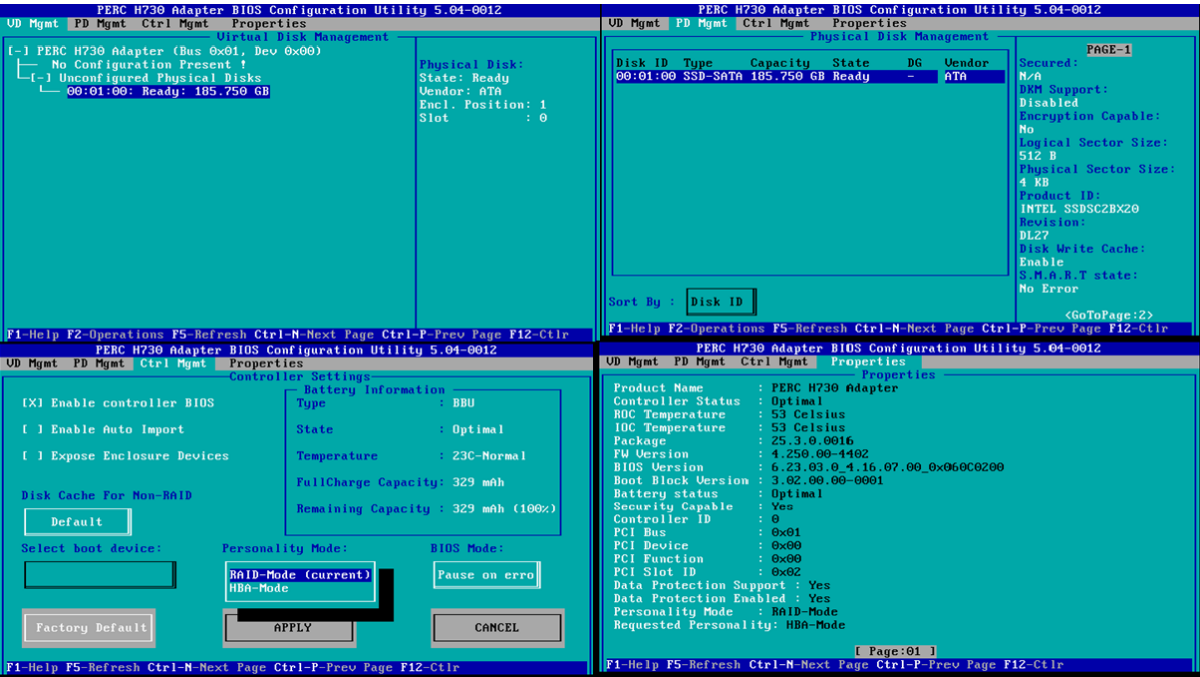
raid 卡支持的级别及 RAID 级别最少需要的硬盘数量，

RAID0<=1 RAID1=2 RAID5<=3 RAID10=4

目录

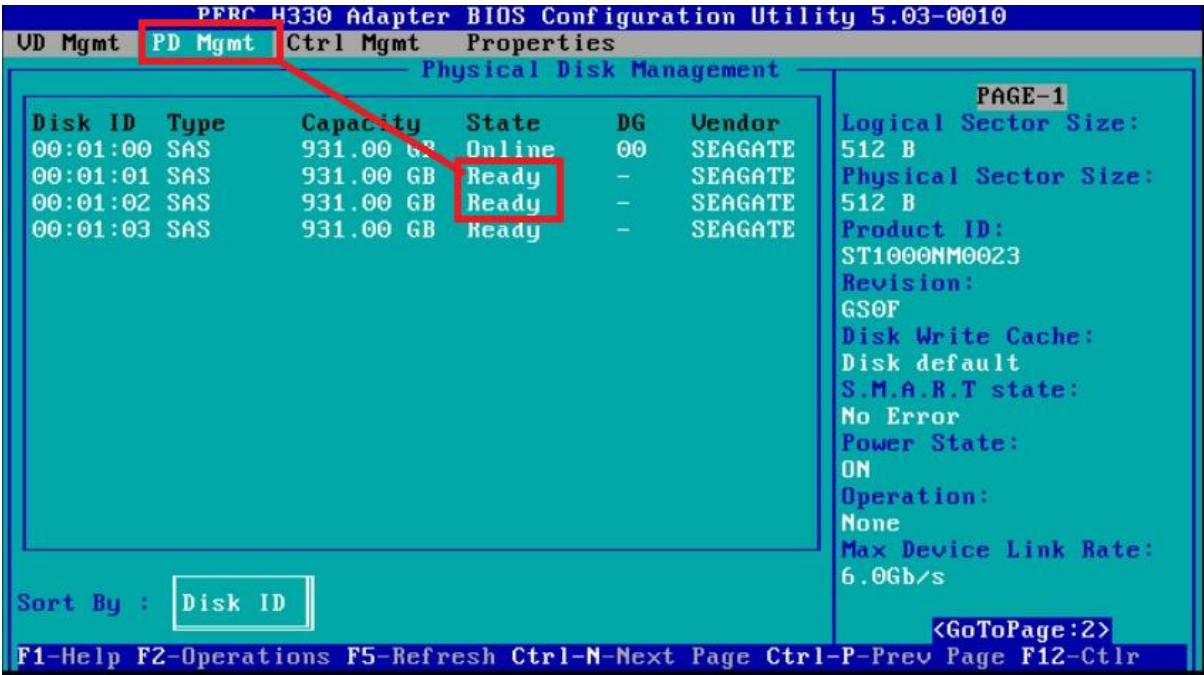
一、创建阵列	2
二、同一 RAID 下新增 VD	6
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重启服务器按 Ctrl+R 进 raid 配置界面



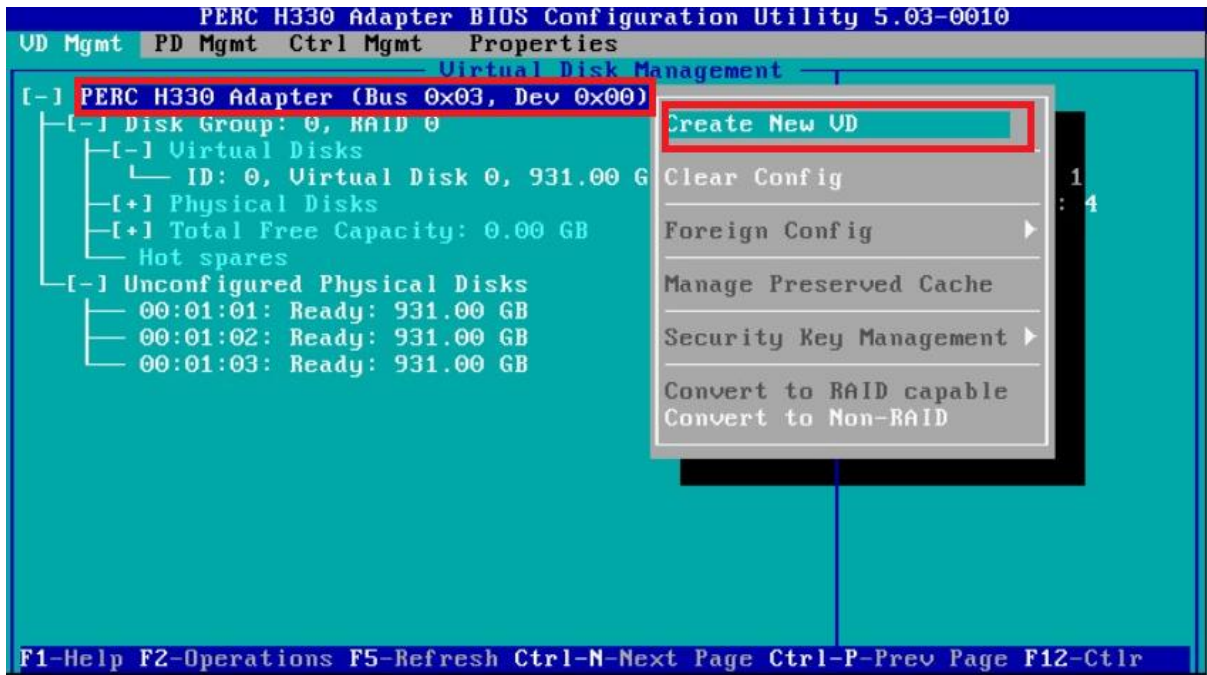
一、创建阵列

1、创建阵列之前，首先得先按 ctrl+n 切到 PD Mgmt 查看硬盘是不是处于“Ready”

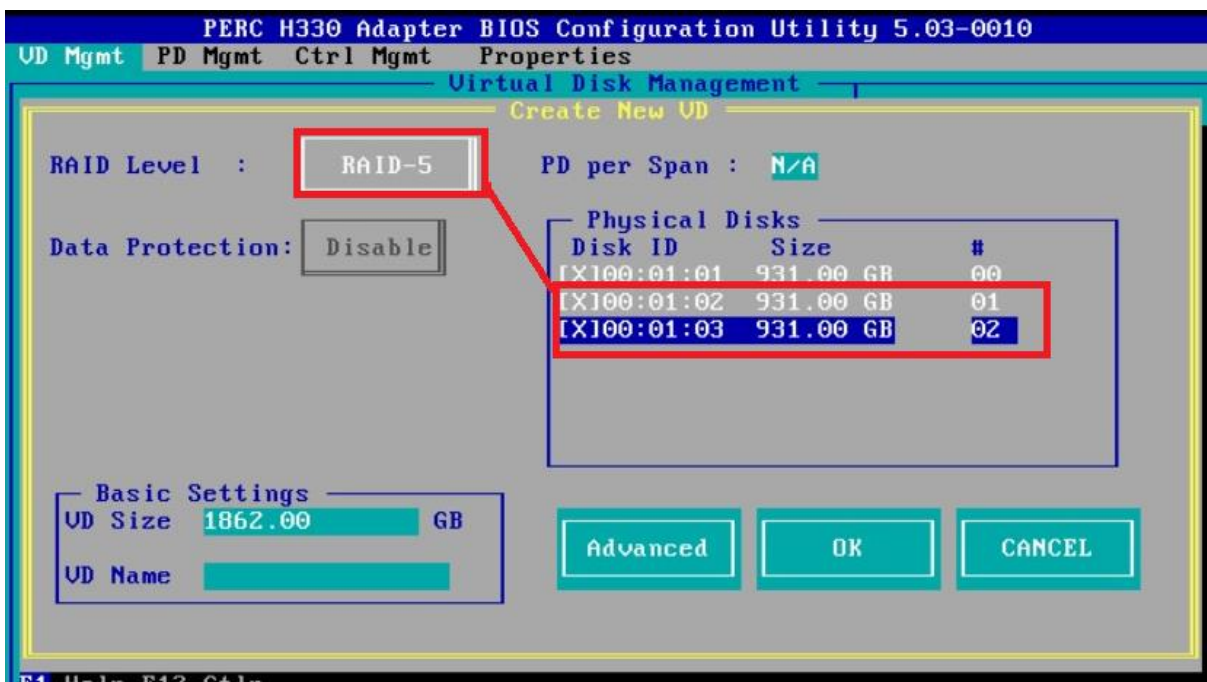


2、按 ctrl+p 回到 VD Mgmt 界面，选中 PERC H330 Adapter (Bus 0x03 ,Dev 0x0) ,并按下 F2，选择 Create New VD,进行创建阵列，如下图。

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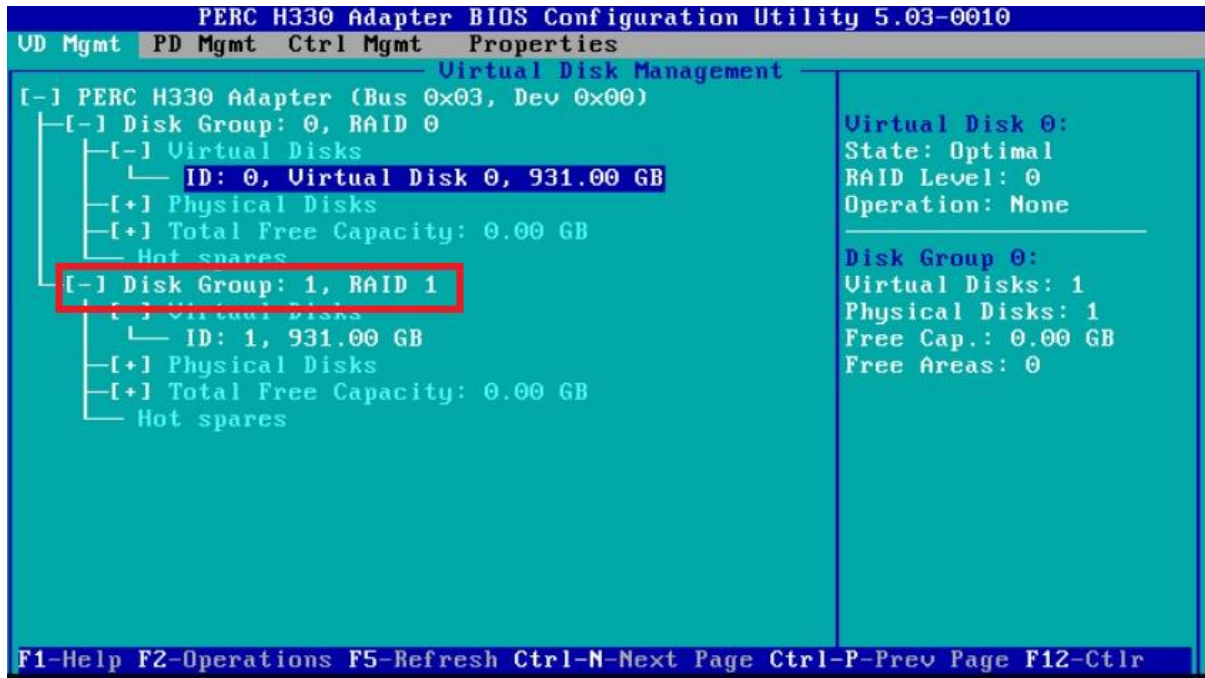


3、按 Enter 键选择 RAID 级别，并按 tab 键到 Physical Disks,按下空格键选中需要的两块硬盘，01 和 02，（注，前面中括号里变成打 X 就是选中）

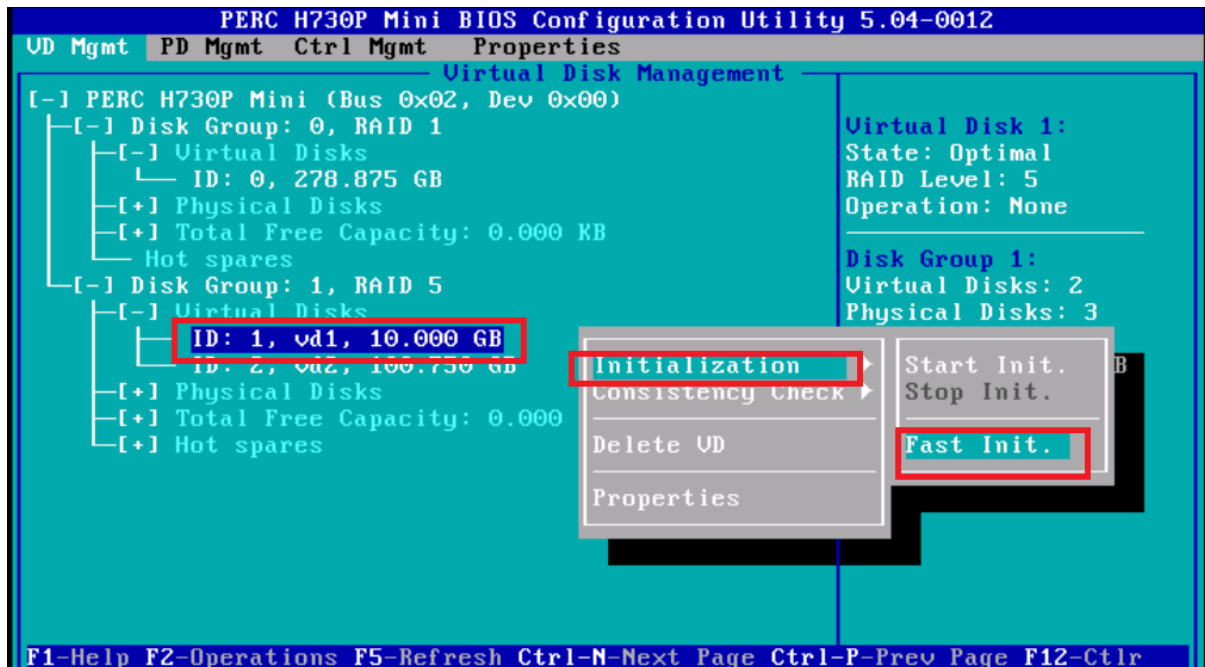


4、按 ok 即可

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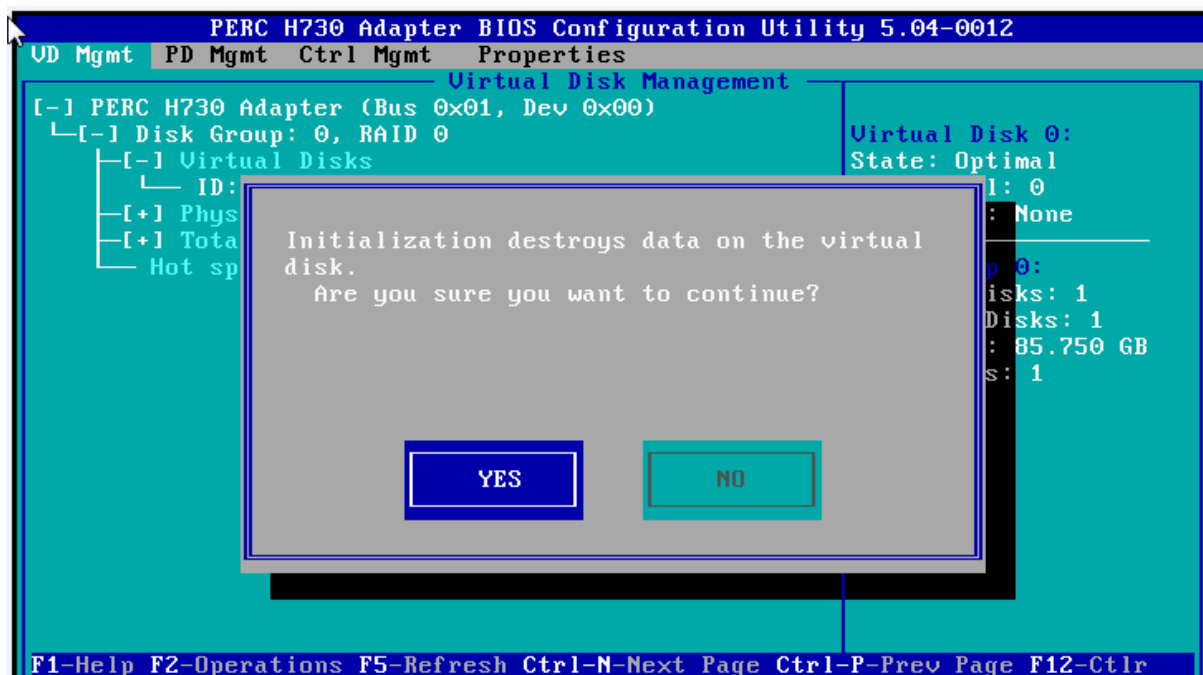


5、初始化 VD,将光标移动到 ID:1 前面按下 F2,——>initialization——>fast init

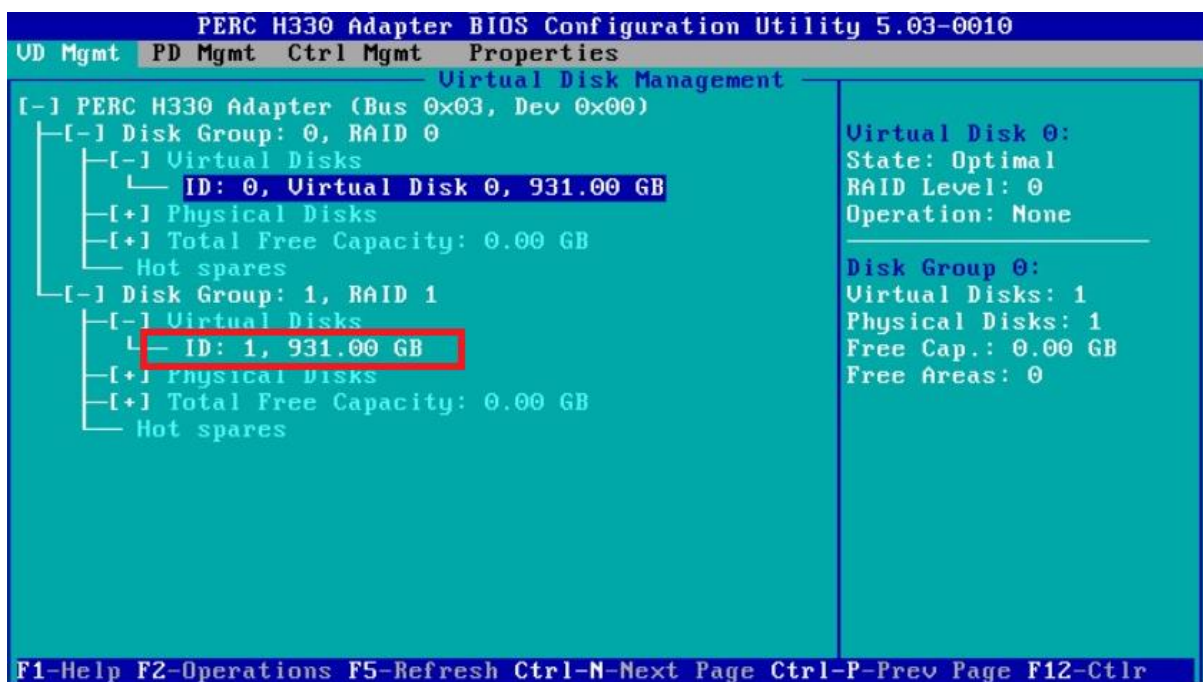


6、选择 YES 的即可，

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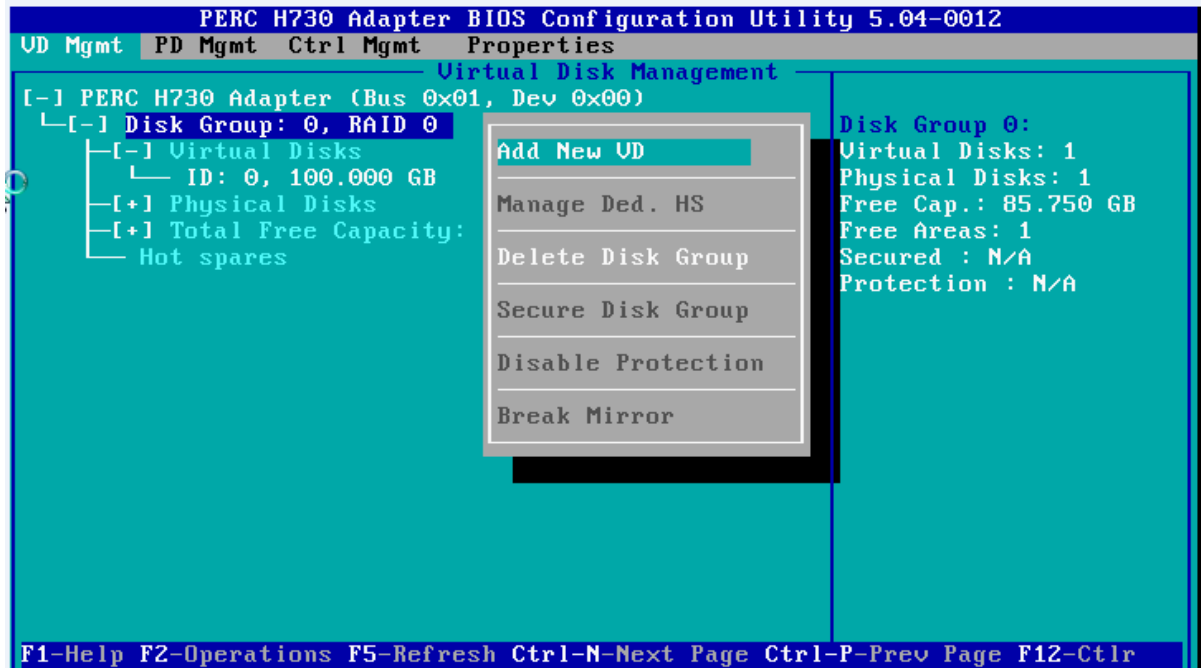


7、RAID 创建完毕

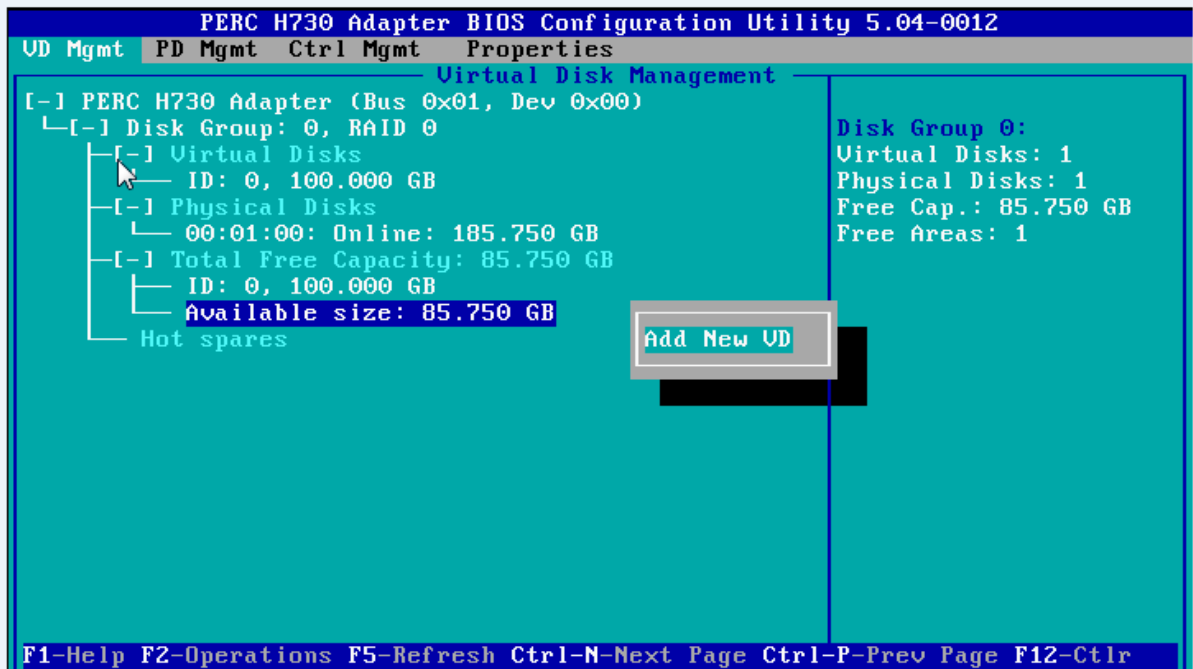


二、同一 RAID 下新增 VD

1、方法一：

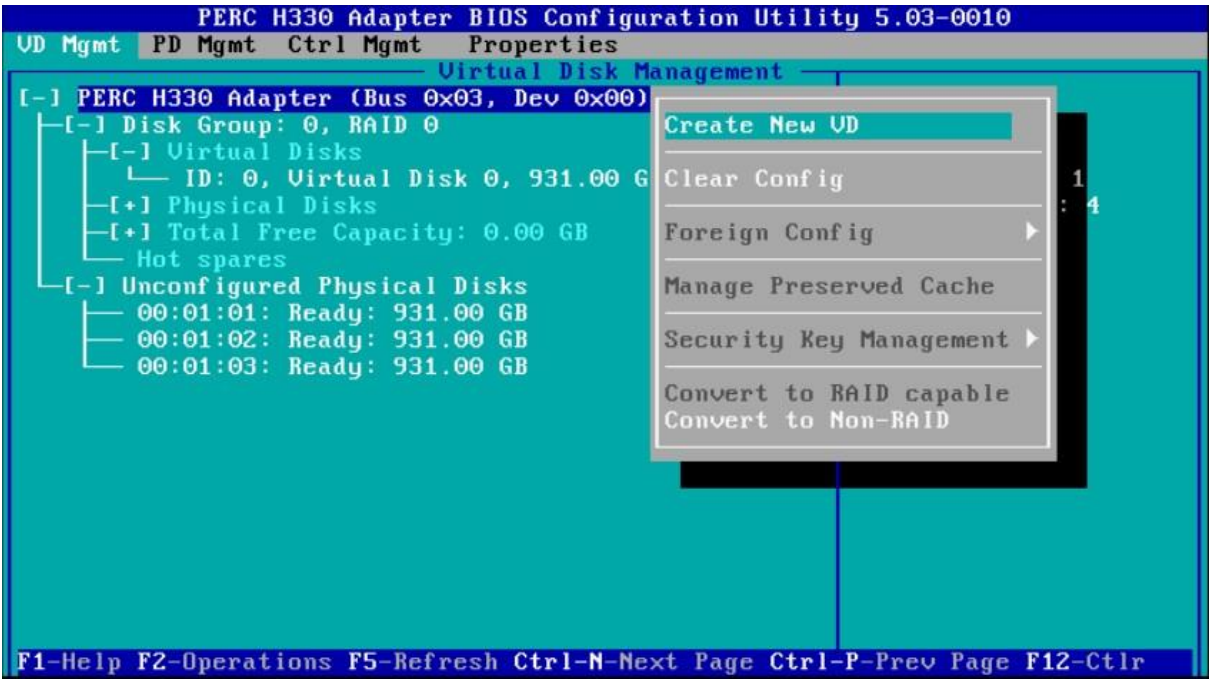


2、方法二：



三、其余界面

VD Mgmt



PD Mgmt

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PERC H330 Adapter BIOS Configuration Utility 5.03-0010

UD Mgmt PD Mgmt Ctrl Mgmt Properties

Physical Disk Management

PAGE-1

Disk ID	Type	Capacity	State	DG	Vendor
00:01:00	SAS	931.00 GB	Online	00	SEAGATE
00:01:01	SAS	931.00 GB	Ready	-	SEAGATE
00:01:02	SAS	931.00 GB	Ready	-	SEAGATE
00:01:03	SAS	931.00 GB	Ready	-	SEAGATE

Logical Sector Size: 512 B
Physical Sector Size: 512 B
Product ID: ST1000NM0023
Revision: GS0F
Disk Write Cache: Disk default
S.M.A.R.T state: No Error
Power State: ON
Operation: None
Max Device Link Rate: 6.0Gb/s

Sort By : Disk ID

<GoToPage:2>

F1-Help F2-Operations F5-Refresh Ctrl-N-Next Page Ctrl-P-Prev Page F12-Ctrl

Ctrl Mgmt

PERC H330 Adapter BIOS Configuration Utility 5.03-0010

UD Mgmt PD Mgmt Ctrl Mgmt Properties

Controller Settings

☒ Enable controller BIOS

☐ Enable BIOS Stop on Error

☐ Enable Auto Import

Select boot device: UD 0 931.00 GB

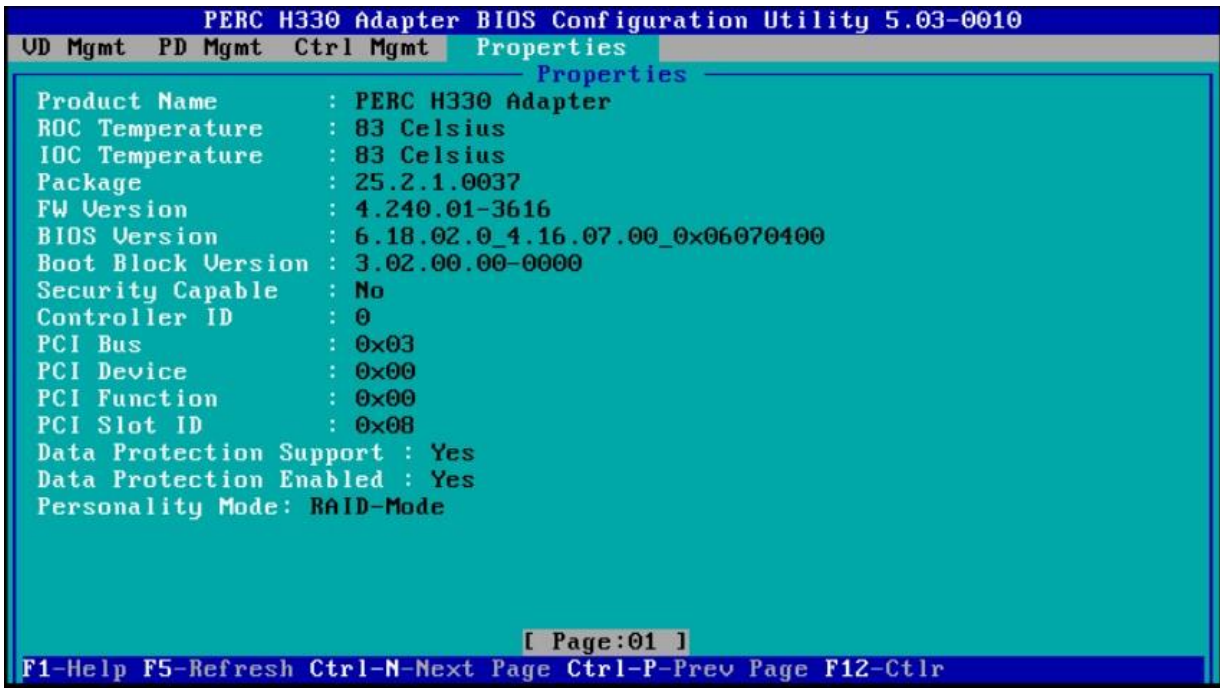
Personality Mode: RAID-Mode (current)

Factory Default APPLY CANCEL

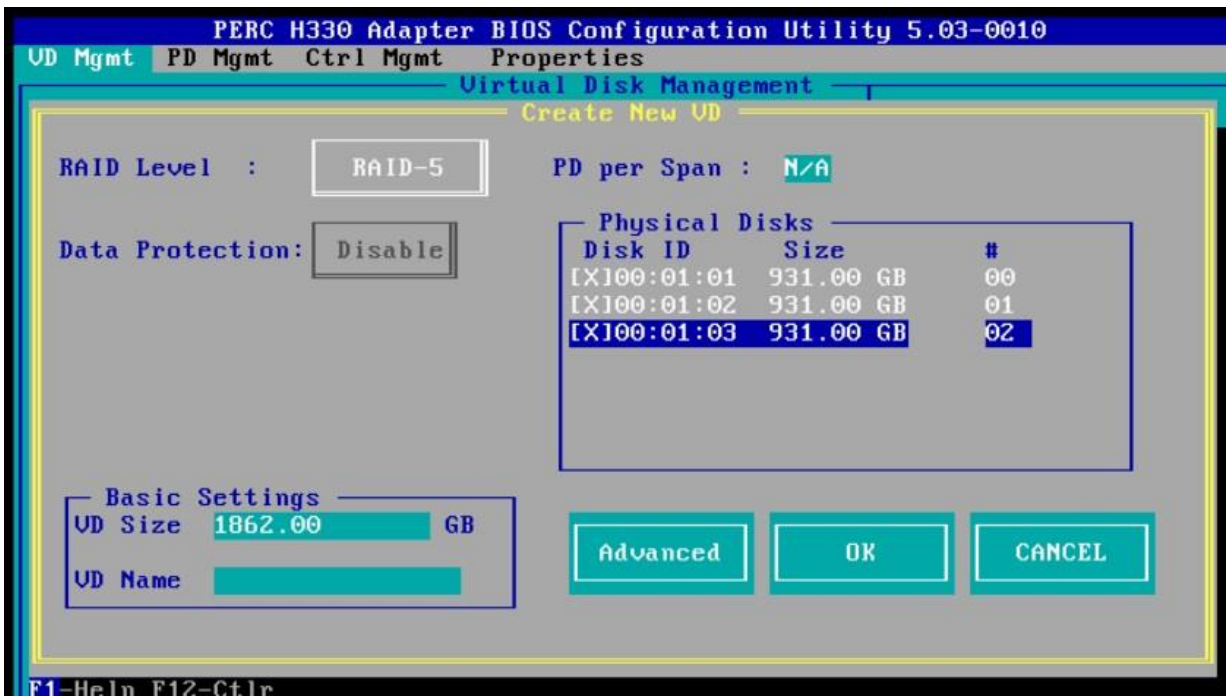
F1-Help F5-Refresh Ctrl-N-Next Page Ctrl-P-Prev Page F12-Ctrl

Properties

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阵列制作(界面 UI 位置发生变化)



阵列卡制作-高级设置

PERC H330 Adapter BIOS Configuration Utility 5.03-0010

UD Mgmt PD Mgmt Ctrl Mgmt Properties

Virtual Disk Management

Create New UD

RAID Level : RAID-5 PD per Span : N/A

Create New UD-Advanced

Data Pr Strip Size : 64KB [] Force WB with no battery

Read Policy : No Read Ah [] Initialize

Write Policy: Write Through [] Configure HotSpare

Basic Disk cache Policy: Unchanged

UD Siz

UD Nam

OK CANCEL

PERC H330 Adapter BIOS Configuration Utility 5.03-0010

UD Mgmt PD Mgmt Ctrl Mgmt Properties

Physical Disk Management

PAGE-1

Disk ID	Type	Capacity	State	DG	Vendor
00:01:00	SAS	931.00 GB	0		
00:01:01	SAS	931.00 GB	0		
00:01:02	SAS	931.00 GB	0		
00:01:03	SAS	931.00 GB	R		

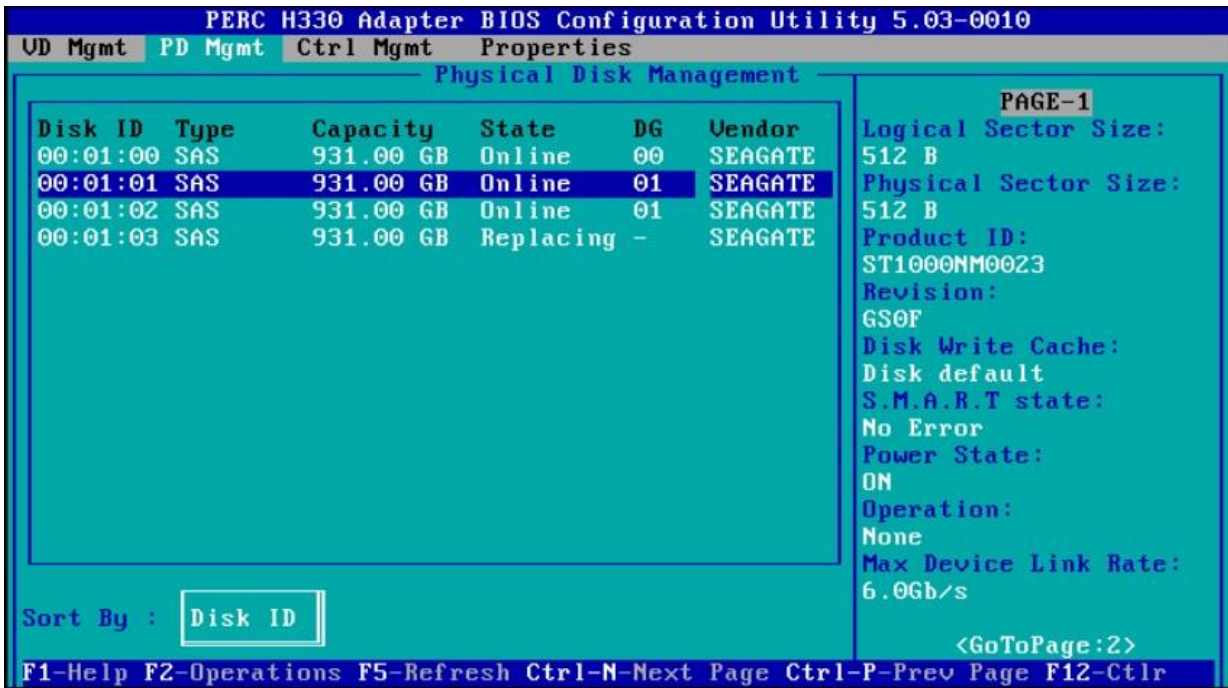
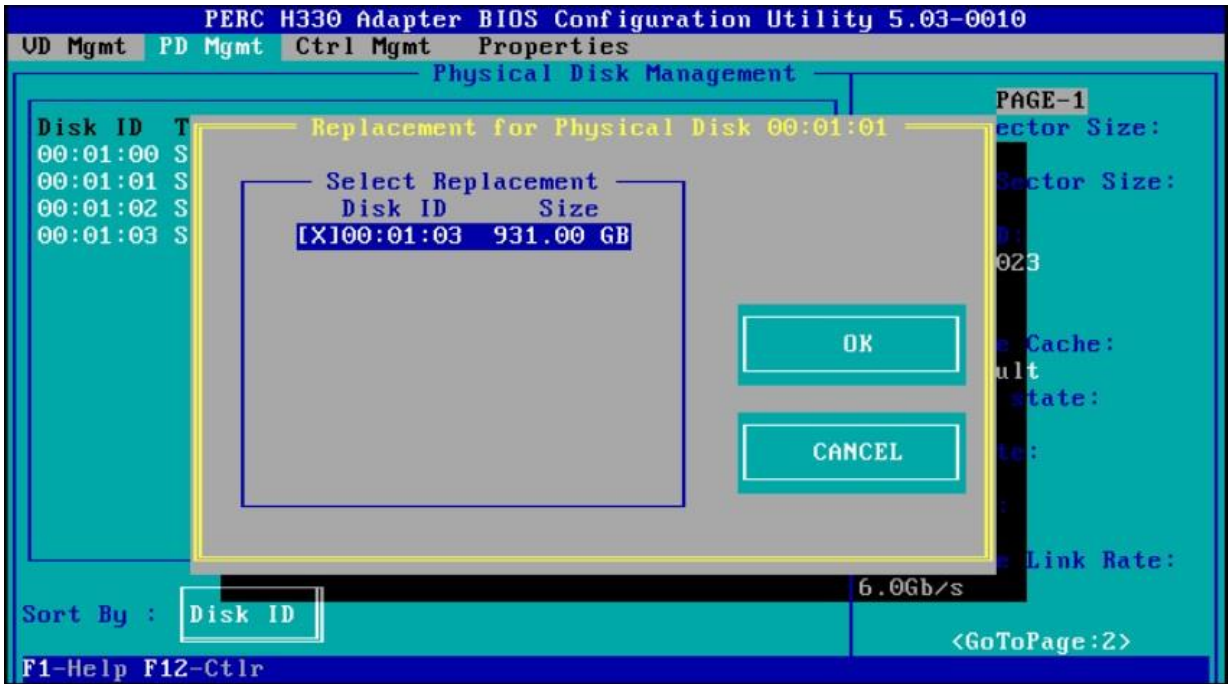
Logical Sector Size: B
Physical Sector Size: B
Write Cache: k default
W.R.T state: Error
or State: ation: e
Device Link Rate: 6.0Gb/s

Sort By : Disk ID

<GoToPage:2>

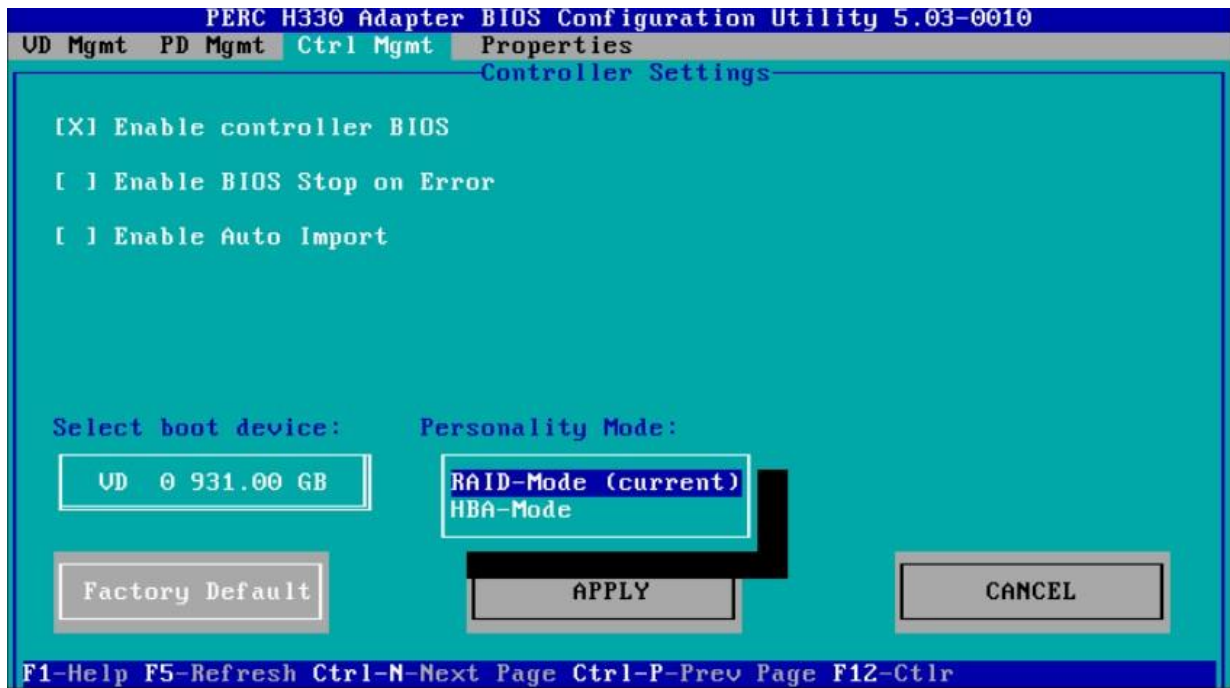
F1-Help F2-Operations F5-Refresh Ctrl-N-Next Page Ctrl-P-Prev Page F12-Ctrl

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Ctrl Mgmt 之 HBA-mode

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设置完后阵列功能无法使用，所有硬盘状态为 Ready。

