# Dell Open Manager 在线扩容

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#### 注意事项:

- 如果在控制器上配置 64 个虚拟磁盘,将无法在任何虚拟磁盘上执行 RAID 级别迁移或容量扩充
- 2. 单个磁盘组中的物理磁盘的总数不能超过 32 个
- 3. 不能在 RAID 级别 10、50 和 60 上执行 RAID 级别迁移和扩充
- 4. 1个磁盘组里面只有1个 VD 时才能操作
- 5. 添加硬盘扩容时,新加的硬盘要大于等于原硬盘
- 6. 硬盘接口协议要一样(SAS or SATA)
- 7. 硬盘类型要一样 (SSD or HDD)
- 8. Non-SED 硬盘组成的 VD 可以再加 SED 硬盘做 RLM/OCE, SED 硬盘组成的 VD 不能加 Non-SED 硬盘做
- 9. 控制器会把做 RLM/OCE 的 VD 的写入高速缓存策略更改为直写式 , 直到 RLM/OCE 完成

### 在线扩容配置

#### 1.打开Dell OpenManager 软件 ---- 点击存储---- 选择虚拟磁盘--- 重新配置----执行



#### 2. 选择需要添加的磁盘,然后点继续

WIN-FRR17RVSFBF PowerEdge R620 administrator	Properties Information/Configuration	
- System	Reconfigure Virtual Disk 0 (Step 1 of 3)	⇒ ≫ = © ?
Licenses Licenses Licenses Chassis Chassis Licenses	Instructions:	]
<ul> <li>Storage</li> <li>PERC H310 Mini (Emb</li> <li>Connector 0 (RAID)</li> </ul>	Select the physical disks to be added to the virtual disk. On some controllers, you can de Depending on how you are reconfiguring the virtual disk, you may not be required to sele	select or remove physical disks from the virtual disk. ct or deselect physical disks. For more information see the
<ul> <li>Enclosure (Back)</li> <li>Physical Disks</li> <li>Connector 1 (RAID)</li> </ul>	Storage Controller support matrix in the Online Help or User Manual Guide.	
Firmware/Driver Ve	Physical 0.00GB SAS HDD	Physical 0.00GB SAS HDD
	Physical 0.00GB Disk 0.1:2 (Free) SAS HDD	Physical 0.00GB SAS HDD Disk 0:1:1
	Physical 136.12GB SAS HDD Disk 0:1:4 (Free)	Physical 0.00GB SAS HDD Disk 0:1:2
	Physical 136.12GB SAS HDD Disk 0:1:6 (Free)	Physical 136.12GB SAS HDD V
		Exit Wizard Continue

3.选择raid level, 然后点击继续

erEdge R620 nistrator n	Information/Configuration						
System	Reconfigure Virtual Disk 0 (	Step 2 of 3)		7		C	?
Licenses							
Main System Chassis	Salact the attributes for the reconfigured virtual di	de .					-
Sonware	Select the autoutes for the reconfigured virtual dis						
PERC H310 Mini (Emb	RAID Level	RAID-5 V					
Connector 0 (RAID)	Size	408.38 GB					
Enclosure (Back	Minimum Size: 0408.38 GB	Maximum Size: 0408.38 GB					
Connector 1 (RAID)							_
Firmware/Driver Ve							_
Virtual Disks			Exit	Wiza	d	Contin	nue

#### 4.查看具体选项物理磁盘,扩容后的信息,如果没有问题点finish

	Reconfigure Virtual Disk 0 (S	Step 3 of 3)	1.000	21	100	C	?		
icenses		• •							
Vain System Chassis Software	Instructions:								
Storage PERC H310 Mini (Emb	Click Finish to complete the reconfiguration.	Click Finish to complete the reconfiguration.							
Connector 0 (RAID) Enclosure (Back Physical Disks	New Virtual Disk Configuration								
Connector 1 (RAID)	Attribute	Value							
Firmware/Driver Ver	RAID Level	RAID-5							
VIIILUUI DIBKS	Size	408.38GB							
	Physical disk	Available Space							
	Physical disk 0:1:0	0.00GB							
	Physical disk 0:1.1	0.00GB							
	Physical disk 0:1:2	0.00GB							
	Physical disk 0.1.4	136.12GB							
	Previous Virtual Disk Configuration								
	Attribute	Value							
	RAID Level	RAID-5							
	Size	272.25GB							
	Physical disk	Available Space							
	Physical disk 0.1.0	0.00GB							
	Physical disk 0.1.1	0.00GB							
	Physical disk 0:1:2	0.00GB							

#### 5.点击完成后可以查看进度的百分比

WIN-FRR17RVSFBF PowerEdge R620 administrator Admin	Properties Informatio	n/Config	uration						-	
<ul> <li>System</li> <li>Licenses</li> <li>Main System Chassis</li> <li>Software</li> </ul>	Virtua	Disks	k(s) on Co	ontroller PERC	H310 Mini		۲		C C	?
- Storage	Status	Name	State	Hot Spare Policy violated	Tasks			Progress	Layout	Size
PERC H310 Mini (Emt Connector 0 (RAID) Enclosure (Back)		Virtual Disk 0	Reconstructing	Not Assigned	Available Tasks	~	Execute	0% complete	RAID-5	272.25GB
Connector 1 (RAID)     Firmware/Driver Ver     Virtual Disks										