

VirtualBox 扩容 Ubuntu 虚拟机磁盘 VDI 大小,通过 GParted 调整分区大小

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- 原文链接: https://ld246.com/article/1593480702694
- 来源网站:链滴
- 许可协议:署名-相同方式共享 4.0 国际 (CC BY-SA 4.0)

扩容虚拟机磁盘

通过 VirtualBox 安装目录下的 VBoxManage.exe 操作。

1. 列出当前虚拟机磁盘

D:\Program Files\Oracle\VirtualBox>VBoxManage.exe list hdds UUID: 035475e5-847f-4fbe-9f6c-dabbd54caaa3 Parent UUID: base State: created Type: normal (base) Location: C:\Users\DL882\VirtualBox VMs\Ubuntu\Ubuntu.vdi Storage format: VDI Capacity: 10240 MBytes Encryption: disabled

2. 通过 UUID 指定磁盘,调整磁盘大小为 20G

D:\Program Files\Oracle\VirtualBox>VBoxManage.exe modifyhd 035475e5-847f-4fbe-9f6c-d bbd54caaa3 --resize 20000 0%...10%...20%...30%...40%...50%...60%...70%...80%...90%...100%

然后再次查看磁盘大小,可以看到已经调整好了:

D:\Program Files\Oracle\VirtualBox>VBoxManage.exe list hdds UUID: 035475e5-847f-4fbe-9f6c-dabbd54caaa3 Parent UUID: base State: created Type: normal (base) Location: C:\Users\DL882\VirtualBox VMs\Ubuntu\Ubuntu.vdi Storage format: VDI Capacity: 20000 MBytes Encryption: disabled

调整虚拟机系统根分区大小

通过图形界面分区工具 GParted 操作。

1. 进入 Ubuntu 虚拟机,安装并启动 GParted

sudo apt install gparted sudo gparted

可以看到刚才给磁盘扩容的空间处于未分区状态:

GParted Edit V	'iew Device	/d Partition Help	ev/sda - GParted			= 0 8		
					/dev/sda	(19.53 GiB) 💲		
	/dev/sd 10.00 Gi	a1 iB		unallocated 9.53 GiB				
Partition F	ile System	Mount Point	Size	Used	Unused	Flags		
/dev/sda1 🔍	ext4	1	10.00 GiB	9.32 GiB	698.24 MiB	boot		
unallocated	unallocated		9 53 CiR					
			0.00					
			3.55 00					
S Delete /dev/sda	32 (ext4, 9.53	GiB) from /dev/sd	a					

2. 右键待扩容的根分区, 调整大小

30 🚽	6				/dev/sda	(19.53 GiB) 💲		
/dev/sda1 10.00 GiB			New	Inset	unallocated 9.53 GiB	allocated 33 GiB		
Partition	File System	Mount	Delete	Delete ed	Unused	Flags		
/dev/sda1 🔍	ext4	1	<u>R</u> esize/Move	.32 (GiB 698.24 MiE	boot		
unallocated	unallocated			Ctrl+C Ctrl+V		-		
				0.83				
			<u>U</u> nmount					
			Name Partition M <u>a</u> nage Flags Check					
🛇 Delete /dev/sda2 (ext4, 9.53 GiB) from								
			Information					

将剩余空间设置为 0, 也就是全部使用刚刚扩容的磁盘:

	/dev/sda - GPart	ed		000
GParted Edit View	Device Partition Help			
	🛍 🍖 🖌			/dev/sda (19.53 GiB) 🔅
	Resize /dev/sda	1	_	8
Partition				Flags
/dev/sda1 (Minimum size: 10238 MiB Max	imum siz	ze: 19999 MiB	B boot
	Free space preceding (MiB):		*	
	New size (MiB):	19999	÷	
	Free space following (MiB):	0	-	
	Align to:	Мів	1	
			Cancel	Resize
🛇 Delete /dev/sda2 (e	xt4, 9.53 GiB) from /dev/sda			
l operation pending				

3. 最后点击应用就大功告成了

		/d	ev/sda - GParted			00
GParted Edit	View Device	Partition Help				
	哈				/dev/sda	(19.53 GiB) 🔅
		Apply A	ll Operations /dev/sda1 19.53 GiB			
Partition	File System	Mount Point	Size	Used	Unused	Flags
/dev/sda1 🔍	ext4	/	19.53 GiB	9.32 GiB	10.21 GiB	boot
unallocated	🔲 unallocated	d	1.00 MiB			
Delete /dev/s	da2 (ext4, 9.53	GiB) from /dev/sd	а			
Delete / del/ s						
Grow/dev/sd	a1 from 10.00	GiB to 19.53 GiB				