

Agrandir un disque

[virtualisation](#), [libvirt](#), agrandir disque

Prérequis

Le paquet libguestfs-tools doit être installé

```
# aptitude install libguestfs-tools
```

Agrandissement disque

Nous nous plaçons où se trouvent nos disques de VMs

```
# cd /var/lib/libvirt/images
```

Nous agrandissons le disque au format qcow2

```
# qemu-img resize test.qcow2 +10G
```

Comme nous ne pouvons agrandir directement la partition en place, nous le copions

```
# cp test.qcow2 test-orig.qcow2  
<code>
```

Nous agrandissons la partition /dev/sda2

```
<code>  
# virt-resize --expand /dev/sda2 test-orig.qcow2 test.qcow2
```

Vous devriez avoir ce genre de retour

```
[ 0.0] Examining test-orig.qcow2  
⠋ 25%  
[=====  
- : -  
100%  
[=====]  
00:00  
*****  
  
Summary of changes:  
  
/dev/sdal: This partition will be left alone.
```

```
/dev/sda2: This partition will be resized from 16,5G to 27,0G. The LVM PV on /dev/sda2 will be expanded using the 'pvresize' method.
```

```
[ 12,9] Setting up initial partition table on test.qcow2
```

```
[ 14,2] Copying /dev/sda1
```

```
[ 15,7] Copying /dev/sda2
```

100%



00:00

100%



00:00

```
[ 78,1] Expanding /dev/sda2 using the 'pvresize' method
```

Resize operation completed with no errors. Before deleting the old disk, carefully check that the resized disk boots and works correctly.

Extension LVM

Nous démarrons la VM. Il ne reste plus qu'à agrandir le volume groupe LVM

```
# lvextend -L +10G /dev/mapper/vg_sys-lv_log
```

ou pour prendre 100% de l'espace libre

```
# lvextend -l +100%FREE /dev/mapper/vg_sys-lv_log
```

Pour retailler une partition ext4

```
# resize2fs /dev/mapper/vg_sys-lv_log
```

Pour retailler une partition xfs

```
# xfs_growfs /dev/mapper/vg_sys-lv_log
```

Liens

- [How to Resize a qcow2 Image and Filesystem with Virt-Resize](#)
- [How to Extend/Increase LVM's \(Logical Volume Resize\) in Linux](#)

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