

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
```

Nous agrandissons la partition /dev/sda2

```
# 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/sda1: 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.

Nous vérifions

```
# qemu-img info confmgt02.qcow2
```

Nous avons ce type de retour

```
image: confmgt02.qcow2  
file format: qcow2  
virtual size: 28G (30064771072 bytes)  
disk size: 1.9G  
cluster_size: 65536  
Format specific information:  
  compat: 1.1  
  lazy refcounts: true  
  refcount bits: 16  
  corrupt: false
```

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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