

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/sdal
```

```
[ 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 retailer 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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<https://wiki.grohub.org/> - **Grohub wiki**



Permanent link:

<https://wiki.grohub.org/information/virtualisation/libvirt/disk-resize>

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