

Proxmox: LVM notes en vrac

```
lvcreate -type linear -L 1To pve -n storage-lvm mkdir /mnt/files-lvm echo '/dev/pve/files-lvm /mnt/files-lvm ext4 defaults 0 2' » /etc/fstab mkfs.ext4 /dev/pve/files-lvm mount /mnt/files-lvm pvesm add lvm storage-lvm -vgname pve
```

```
pvesm add dir files-lvm -path /mnt/files-lvm/
```

```
lvcreate -type thin-pool -L 3T pve
```

```
lvcreate -type thin-pool -L 3T pve -n thinpool
```

```
lvcreate -thinpool pve/thin_pool -name local-storage -size 1T
```

```
lvcreate -thinpool pve/thin_pool -name files-storage -virtualsize 1T lvcreate -thinpool pve/thin_pool -name block-storage -virtualsize 3T
```

```
mkdir /mnt/files-storage echo '/dev/pve/files-storage /mnt/files-storage ext4 defaults 0 2' » /etc/fstab mount /mnt/files-storage pvesm add dir files-storage -path /mnt/files-storage
```

```
pvesm add lvmthin local-lvm -vgname pve -thinpool data
```

```
lvcreate -thin -chunksize 256K -size 4.2T pve/thin_pool lvcreate -thinpool pve/data -name files-storage -virtualsize 1T mkdir /mnt/files-storage echo '/dev/pve/files-storage /mnt/files-storage ext4 defaults 0 2' » /etc/fstab mkfs.ext4 /dev/pve/files-storage mount /mnt/files-storage pvesm add dir files-storage -path /mnt/files-storage
```

Faire un resize on the fly

fdisk

```
supprimer /dev/sda3
```

```
recréer /dev/sda3 en gardant bien la signature de la partition
```

```
pvresize /dev/sda3
```

```
lvextend -l +100%FREE /dev/ubuntu-vg/ubuntu-lv
```

```
resize2fs /dev/mapper/ubuntu--vg-ubuntu--lv
```

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