

Useful CMD Tools/Commands:

lvresize
fdisk
parted
cfdisk
lsblk
growpart
df
vgdisplay
lvdisplay
resize2fs

Explanations:

lvresize: this command is only for editing the size of LVM storage

growpart: updates the partitioning table

df: show the size which is free (simple)

lsblk: nice for getting the structures of the partitions

fdisk: shows many things only useful for showing a specific partition

parted: custom shell for editing partitions

cfdisk: pseudo gui to manage partitions

vgdisplay: displays the lvm group (how much is free on the lvm)

lvdisplay: displays the logical volume (how much space is in the partition inside the lvm)

resize2fs: this command is for editing the size of the partitions

Useful Usages:

lvresize -r -l +100%FREE /dev/LVM-DISK

Step by step after Proxmox size increment (with LVM):

growpart /dev/DISK PARTITION

Example: growpart /dev/sda 3

lvresize -r -l +100%FREE /dev/LVM-DISK

Example: lvresize -r -l +100%FREE /dev/ubuntu-vg/ubuntu-lv

Step by step after Proxmox size increment (without LVM):

growpart /dev/DISK PARTITION

Example: growpart /dev/sda 3

resize2fs /dev/DISK

Example: resize2fs /dev/sda3