

## 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