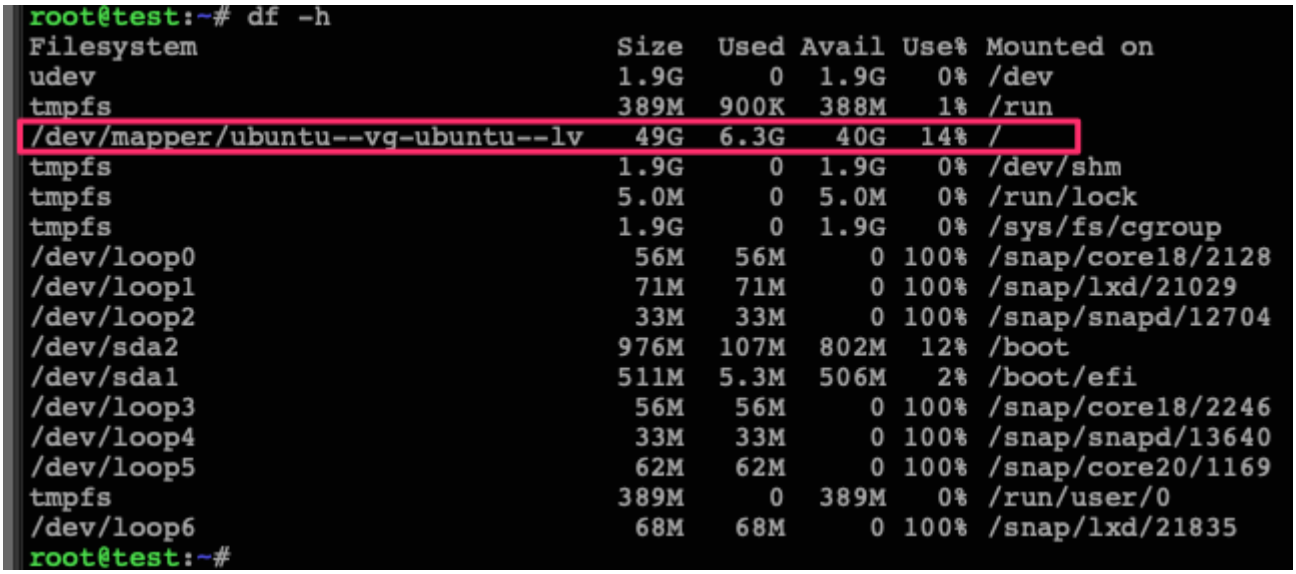
Ubuntu 22

- [□□□□□□□□□□] Disk Root Partition

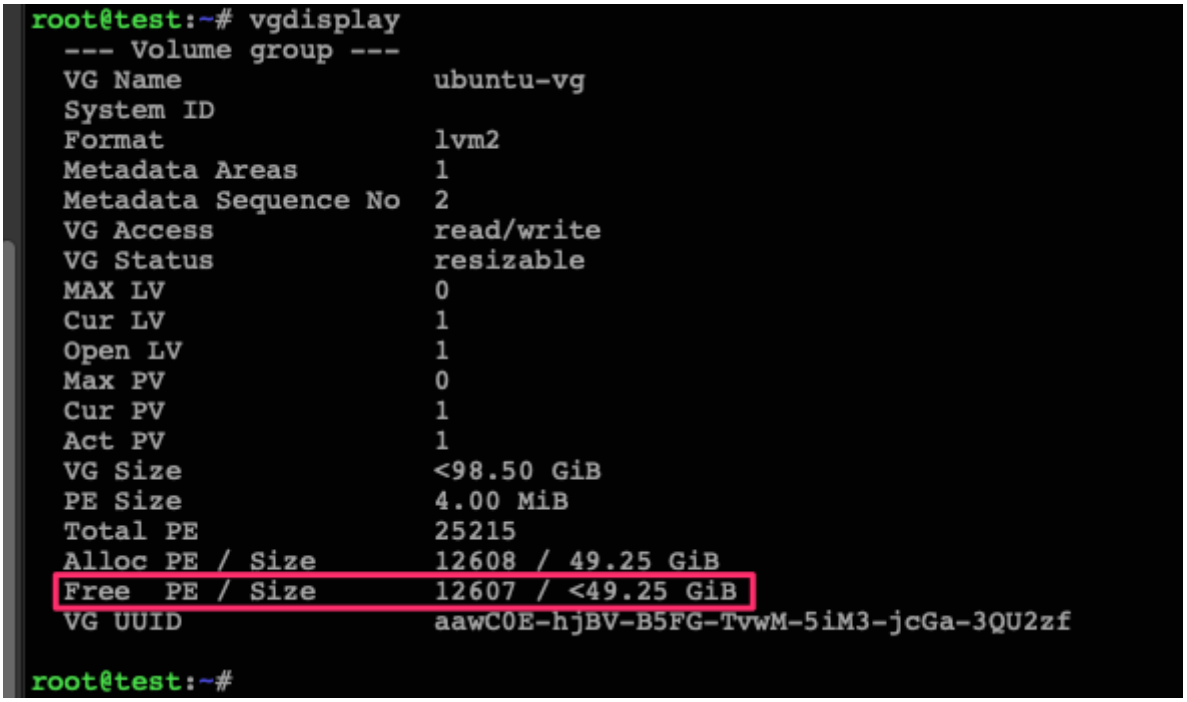
□□□□□□□□□ Disk Root Partitio

□□□□□□□□ df -h □□□□□□□□□□□□□□□□□□□□ disk



```
root@test:~# df -h
Filesystem                         Size  Used Avail Use% Mounted on
udev                               1.9G     0  1.9G   0% /dev
tmpfs                              389M  900K  388M   1% /run
/dev/mapper/ubuntu--vg-ubuntu--lv   49G  6.3G   40G  14% /
tmpfs                              1.9G     0  1.9G   0% /dev/shm
tmpfs                              5.0M     0  5.0M   0% /run/lock
tmpfs                              1.9G     0  1.9G   0% /sys/fs/cgroup
/dev/loop0                          56M   56M     0 100% /snap/core18/2128
/dev/loop1                          71M   71M     0 100% /snap/lxd/21029
/dev/loop2                          33M   33M     0 100% /snap/snapd/12704
/dev/sda2                          976M  107M  802M  12% /boot
/dev/sda1                          511M  5.3M  506M   2% /boot/efi
/dev/loop3                          56M   56M     0 100% /snap/core18/2246
/dev/loop4                          33M   33M     0 100% /snap/snapd/13640
/dev/loop5                          62M   62M     0 100% /snap/core20/1169
tmpfs                              389M     0  389M   0% /run/user/0
/dev/loop6                          68M   68M     0 100% /snap/lxd/21835
root@test:~#
```

□□□□□□□□ vgdisplay □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Volume Group



```
root@test:~# vgdisplay
  --- Volume group ---
  VG Name               ubuntu-vg
  System ID
  Format                lvm2
  Metadata Areas        1
  Metadata Sequence No  2
  VG Access             read/write
  VG Status             resizable
  MAX LV                0
  Cur LV                1
  Open LV               1
  Max PV                0
  Cur PV                1
  Act PV                1
  VG Size               <98.50 GiB
  PE Size               4.00 MiB
  Total PE              25215
  Alloc PE / Size       12608 / 49.25 GiB
  Free  PE / Size       12607 / <49.25 GiB
  VG UUID               aawC0E-hjBV-B5FG-TvwM-5iM3-jcGa-3QU2zf

root@test:~#
```

□□□□□□□□□□□□□□□□□□□□ Logical Volumn □□□□□□□□□□ lvdisplay □□□□□□□□□□□□□□□□ lvextend -l +100%FREE /d

```
root@test:~# lvdisplay
  --- Logical volume ---
  LV Path                /dev/ubuntu-vg/ubuntu-lv
  LV Name                ubuntu-lv
  VG Name                ubuntu-vg
  LV UUID                hIKHcl-VBar-e0w0-9cro-9Usa-pgYv-uanFOv
  LV Write Access        read/write
  LV Creation host, time ubuntu-server, 2021-11-11 17:52:56 +0000
  LV Status              available
  # open                 1
  LV Size                49.25 GiB
  Current LE             12608
  Segments               1
  Allocation             inherit
  Read ahead sectors     auto
  - currently set to     256
  Block device           253:0

root@test:~#
root@test:~#
root@test:~# lvextend -l +100%FREE /dev/ubuntu-vg/ubuntu-lv
  Size of logical volume ubuntu-vg/ubuntu-lv changed from 49.25 GiB (12608 exten.
  Logical volume ubuntu-vg/ubuntu-lv successfully resized.
root@test:~#
root@test:~#
root@test:~# lvdisplay
  --- Logical volume ---
  LV Path                /dev/ubuntu-vg/ubuntu-lv
  LV Name                ubuntu-lv
  VG Name                ubuntu-vg
  LV UUID                hIKHcl-VBar-e0w0-9cro-9Usa-pgYv-uanFOv
  LV Write Access        read/write
  LV Creation host, time ubuntu-server, 2021-11-11 17:52:56 +0000
  LV Status              available
  # open                 1
  LV Size                <98.50 GiB
  Current LE             25215
  Segments               1
  Allocation             inherit
  Read ahead sectors     auto
  - currently set to     256
  Block device           253:0

root@test:~#
```

□□□□□□□□ resize2fs /dev/mapper/ubuntu--vg-ubuntu--lv □□□□ resize2fs /dev/mapper/ubuntu--vg-ubun filesystem □□□□□□□□□□□□□□□ df -h □□□□□□□□□□□□□□□□□□□ Disk □□□□□□□□□□□□□□□□□□□□□□□□□□ Root partition □□□

```
root@test:~# df -h
Filesystem                         Size  Used Avail Use% Mounted on
udev                               1.9G     0  1.9G   0% /dev
tmpfs                              389M  900K  388M   1% /run
/dev/mapper/ubuntu--vg-ubuntu--lv   49G  6.3G   40G  14% /
tmpfs                              1.9G     0  1.9G   0% /dev/shm
tmpfs                              5.0M     0  5.0M   0% /run/lock
tmpfs                              1.9G     0  1.9G   0% /sys/fs/cgroup
/dev/loop0                          56M   56M     0 100% /snap/core18/2128
/dev/loop1                          71M   71M     0 100% /snap/lxd/21029
/dev/loop2                          33M   33M     0 100% /snap/snapd/12704
/dev/sda2                          976M  107M  802M  12% /boot
/dev/sda1                          511M  5.3M  506M   2% /boot/efi
/dev/loop3                          56M   56M     0 100% /snap/core18/2246
/dev/loop4                          33M   33M     0 100% /snap/snapd/13640
/dev/loop5                          62M   62M     0 100% /snap/core20/1169
tmpfs                              389M     0  389M   0% /run/user/0
/dev/loop6                          68M   68M     0 100% /snap/lxd/21835
root@test:~#
root@test:~#
root@test:~# resize2fs /dev/mapper/ubuntu--vg-ubuntu--lv
resize2fs 1.45.5 (07-Jan-2020)
Filesystem at /dev/mapper/ubuntu--vg-ubuntu--lv is mounted on /; on-line resizinc
old_desc_blocks = 7, new_desc_blocks = 13
The filesystem on /dev/mapper/ubuntu--vg-ubuntu--lv is now 25820160 (4k) blocks .

root@test:~#
root@test:~#
root@test:~# df -h
Filesystem                         Size  Used Avail Use% Mounted on
udev                               1.9G     0  1.9G   0% /dev
tmpfs                              389M  900K  388M   1% /run
/dev/mapper/ubuntu--vg-ubuntu--lv   97G  6.3G   87G   7% /
tmpfs                              1.9G     0  1.9G   0% /dev/shm
tmpfs                              5.0M     0  5.0M   0% /run/lock
tmpfs                              1.9G     0  1.9G   0% /sys/fs/cgroup
/dev/loop0                          56M   56M     0 100% /snap/core18/2128
/dev/loop1                          71M   71M     0 100% /snap/lxd/21029
/dev/loop2                          33M   33M     0 100% /snap/snapd/12704
/dev/sda2                          976M  107M  802M  12% /boot
/dev/sda1                          511M  5.3M  506M   2% /boot/efi
/dev/loop3                          56M   56M     0 100% /snap/core18/2246
/dev/loop4                          33M   33M     0 100% /snap/snapd/13640
/dev/loop5                          62M   62M     0 100% /snap/core20/1169
tmpfs                              389M     0  389M   0% /run/user/0
/dev/loop6                          68M   68M     0 100% /snap/lxd/21835
root@test:~#
```