

ubuntu22.04 /dev/sda ????????????????/home

??????

- `/dev/sda` **700G**
- - `/dev/sda2` → `/boot` (2G)
 - `/dev/sda3` → LVM PV (298G)
- `/` `/home` LVM `ubuntu-vg` **298G**
- `~400G`

???????? `/home` ?????

? ?????

1. ????????????

```
lsblk -f  
sudo fdisk -l /dev/sda
```

???? `/dev/sda3` ???? 298G???? 402G ?????

2. ????????????????? LVM PV?

`gdisk` `fdisk` ????

```
sudo fdisk /dev/sda
```

????

- `n` ????? `/dev/sda4` ?????
- **Linux LVM** `8e`
- `w`

????????

```
sudo partprobe /dev/sda
```

3. ?????? LVM ??

```
sudo pvcreate /dev/sda4
sudo vgextend ubuntu-vg /dev/sda4
```

```
██████████
```

```
vgdisplay ubuntu-vg
```

```
████ VG █ Free PE ██████████ 400G██
```

4. ?? /home ?????

```
██ /home █ ubuntu-vg/lv-0 ████████
```

```
sudo lvextend -l +100%FREE /dev/ubuntu-vg/lv-0
```

```
████████████████████████████████████████ /home █
```

5. ???????

```
sudo resize2fs /dev/ubuntu-vg/lv-0
```

6. ??

```
df -h
```

```
██████ /home ███ 220G ███ ~620G ███
```

```
△ ████
```

- ██████████ /████████████████████
- ███ /home ██████████ ext4 ███ xfs██ xfs_growfs █████

```
sudo xfs_growfs /home
```

```
████████████████████████████████████████ ███ ██████ /home █ LV████████████████████
```

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