Add a new lun of 300g

Scan for the new lun

#echo ".___" >/sys/class/scsi_host/host0/scan

Find the disk in 'os' level

#fdisk /dev/sdb
w

Creating a physical volume

#pvcreate /dev/sdb
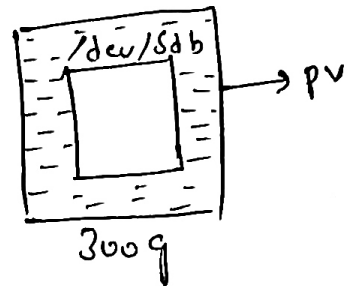#pvs

      pv ⟶ /dev/sdb

      Psize ⟶ 300g

      PFree ⟶ 299g ← **Every time 1GB Tagguthundi**

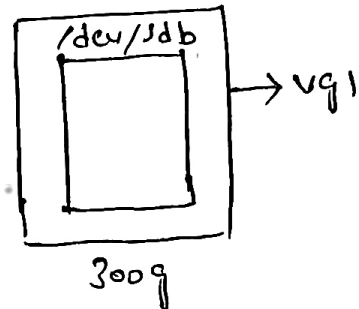Creating volume group

#vgcreate vg1 /dev/sdb
#vgs

      vg1 ⟶ 300g

      VFree ⟶ 299g **Every time 1GB Tagguthundi**

#vgdisplay vg1
    - - - - - Volume group - - - -
        VG Name = vg1
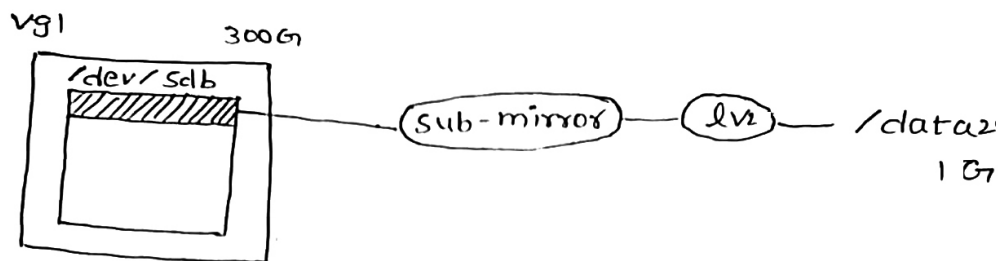   VG Size = 300g

Creating logical volume

#lvcreate -L +1G -n lv2 vg1

#lvs
      lv2 ⟶ 1g

lvs --segment

lv2 ⟶ linear ⟶ 1g

```
vg1                300G
┌──────────────────────┐
│ ┌──/dev/sdb──────┐   │
│ │▨▨▨▨▨▨▨▨▨▨▨▨│   │────── (sub-mirror) ── (lv2) ── /data2
│ │                │   │                                 1G
│ │                │   │
│ └────────────────┘   │
└──────────────────────┘
```

lvdisplay /dev/vg1/lv2 -vm

Type = linear

physical volume = /dev/sdb

lvscan |grep -i /dev/vg1/lv2

ACTIVE '/dev/vg1/lv2' [1.00 GiB] inherit

Creating filesystem on lv

mkp -t ext4 /dev/vg1/lv2

mkdir /data2

mount -t ext4 /dev/vg1/lv2 /data2

vi /etc/fstab

Device name	mount point	p type	mount option	dump device	fsck option
/dev/vg1/lv2	/data2	ext4	defaults	0	0

:wq!

umount /data2

mount /data2

df -h /data2.

/dev/mapper/vg1-lv2 ⟶ /data2