Set 2 hard disk of 20 GB

[root@localhost ~]# lsblk

[root@localhost ~]# pvcreate /dev/sdb /dev/sdc

[root@localhost ~]# vgcreate HPCSA /dev/sdb /dev/sdc

[root@localhost ~]# lvcreate -n hpcsa\_lab --size 1G HPCSA

[root@localhost ~]# fdisk /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# mkfs.ext4 /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# mkdir lab

[root@localhost ~]# mount /dev/mapper/HPCSA-hpcsa\_lab lab

[root@localhost ~]# fdisk -l

[root@localhost ~]# pvs

[root@localhost ~]# lvs

[root@localhost ~]# lvextend -L +2G /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# lvs

[root@localhost ~]# resize2fs /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# lvcreate -L 1GB -s -n hpcsa\_lab\_snap /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# lvconvert --merge /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# blkid

[root@localhost ~]# vim /etc/fstab

UUID=41c833f1-bcdb-4d5f-80d6-f55ce724c900 /lab ext4 defaults 0 0

[root@localhost ~]# lvconvert --merge /dev/mapper/HPCSA-hpcsa\_lab

[root@localhost ~]# mount -a

[root@localhost ~]# ls

[root@localhost ~]# cd /lab

[root@localhost ~]# cd lab

[root@localhost lab]# ls

[root@localhost lab]# lvcreate --activate y --type raid1 -m 3 -n split\_tracking -L 500M split\_image

[root@localhost lab]# cd

[root@localhost ~]# lvconvert --merge /dev/mapper/HPCSA-hpcsa\_lab\_snap

MIRRORING IN LVM

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[root@localhost ~]# lvcreate -L 1G -m1 -n hpcsa\_lab3 HPCSA

Logical volume "hpcsa\_lab3" created.

[root@localhost ~]# lvs

[root@localhost ~]# pvs

[root@localhost ~]# lsblk

[root@localhost ~]# lvs

[root@localhost ~]# lvcreate -L 1GB -s -n hpcsa\_lab\_snap3 /dev/mapper/HPCSA-hpcsa\_lab3

[root@localhost ~]# lvs

[root@localhost ~]# pvs