

Lab 9

Add 2 Hard drive of 20 GB each

# lsblk

# pvcreate /dev/sdb /dev/sdc → creating physical volume.

# pv

# pvdisplay

# vgcreate HPCSA /dev/sdb /dev/sdc  
volume group created

# vgdisplay → 40 GiB VG size created

# lvcreate -n hpcsa\_lab --size 1G HPCSA

↳ logical volume created of 1G from 'HPCSA' volume group.

# vgdisplay → 39 GiB VG remaining

# fdisk /dev/mapper/HPCSA-hpcsa\_lab

↳ n → p → enter → enter → enter → w

if above command failed. then delete partition.  
by command input 'd'

# partprobe /dev/mapper/HPCSA-hpcsa\_lab

# mkfs.ext4 /dev/mapper/HPCSA-hpcsa\_lab

# mkdir lab

# mount /dev/mapper/HPCSA-hpcsa\_lab

# lvextend -L +2G /dev/mapper/HPCSA-hpcsa\_lab

↳ logical volume extend to 3G.