

Andrew Rutherford
CSCI 4113
Lab 2

Pvcreate /dev/sdb	Initialize a new physical volume
Vgcreate vg_new /dev/sdb	Create a volume group "vg_new" from physical volume
Lvcreate -n lv_home -size 4g vg_new	Create logical volume "lv_home" with size 4 GB assigned under volume group vg_new
Lvcreate -n lv_tmp -size 1g vg_new	Create logical volume "lv_tmp" with size 1 GB assigned under volume group vg_new
Mkfs.xfs /dev/vg_new/lv_home	Format logical volume lv_home with ext4 filesystem
Mkfs.xfs /dev/vg_new/lv_tmp	Format logical volume lv_tmp with ext4 filesystem
Mount /dev/vg_new/lv_home /mnt/home	Mount logical volume lv_home to /home directory
Mount /dev/vg_new/lv_tmp /mnt/tmp	Mount logical volume lv_tmp to /tmp directory
Cp /home/* /mnt/home	Copy contents of /home to mounted directory /mnt/home
Cp /tmp/* /mnt/tmp	Copy contents of /tmp to mounted directory /mnt/tmp
Umount /mnt/home	Unmount /mnt/home
Umount /mnt/tmp	Unmount /mnt/tmp
	Edit fstab
Reboot	Reboot

Fstab:

```

[ root@machinee ~ ]# cat /etc/fstab
#
# /etc/fstab Table
# Created by anaconda on Sun Mar 22 18:53:23 2015
#
# Accessible filesystems, by reference, are maintained under '/dev/disk'
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info
#
/dev/mapper/centos-root / xfs defaults 1 1
UUID=71438877-2509-4eb2-9c1d-dd119fb7b77f /boot xfs defaults 1 2
/dev/mapper/centos-swap swap defaults 0 0
/dev/mapper/vg_new-lv_home /mnt/home xfs nodev
/dev/mapper/vg_new-lv_tmp /mnt/tmp xfs nodev,nosuid,noexec
[ root@machinee ~ ]#
  
```