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CSCI 4113

Lab 2

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| --- | --- |
| 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:

