# Command Line Fu

| Physical Volumes |
|---|
| **All physical volumes must be set to type 8e (Linux LVM) in fdisk before being used**<br><br>`pvcreate /dev/sdb1`<br>Mark /dev/sdb1 for use as a physical volume<br><br>`pvremove /dev/sdb1`<br>Remove /dev/sdb1 from use as a physical volume<br><br>`pvdisplay`<br>Display all physical volumes<br><br>`pvdisplay /dev/sdb1`<br>Display the attributes of physical volume /dev/sdb1<br><br>`pvscan`<br>Display which physical volumes are assigned to which volume groups |

| Volume Groups |
|---|
| `vgcreate volname /dev/sdb1 /dev/sdc1`<br>Create a volume group **volname** with physical disks /dev/sdb1 /dev/sdc1<br><br>`vgremove volname`<br>Remove volume group **volname**<br><br>`vgdisplay`<br>Display the attributes of all volume groups<br><br>`vgdisplay volname`<br>Display the attributes of volume group **volname**<br><br>`vgscan`<br>Scan and show the attributes of all Volume Groups |

| Logical Volumes |
|---|
| `lvcreate --name lv_linuxuser --size 500M volgroup02`<br>Create a new logical volume 500 Mb in size on volgroup02 named lv_linuxuser<br><br>`lvremove /dev/volgroup02/lv_linuxuser`<br>Remove the logical volume lv_linuxuser<br><br>`lvdisplay`<br>Display the attributes of all logical volumes<br><br>`lvdisplay /dev/volgroup02/lv_linuxuser`<br>Display the attributes of logical volume lv_linuxuser<br><br>`lvscan`<br>Scan and show all logical volumes |