~ LVM Creation ~

LVM Created in Three Steps

1. ***Physical Volume (PV)***
2. ***Volume Group (VG)***
3. ***Logical Volume (LV)***

Steps to Create LVM

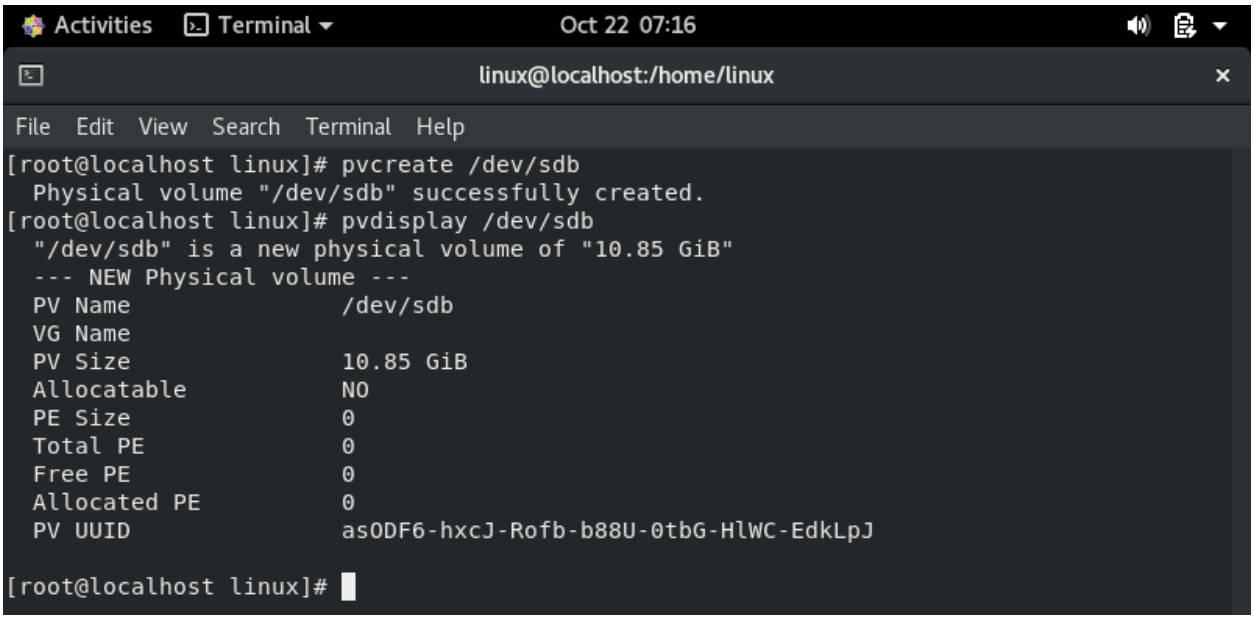
Step 1: *Create Physical Volume (PV)*

1. ***Create Physical Volume (PV) by using following command***

   >> ***pvcreate /dev/sdb***

2. ***Display the PV by using Following Command***

   >> ***pvdisplay /dev/sdb***



Step 2: *Create Volume Group (VG)*

1. ***Create Volume Group Default PE size use following command***

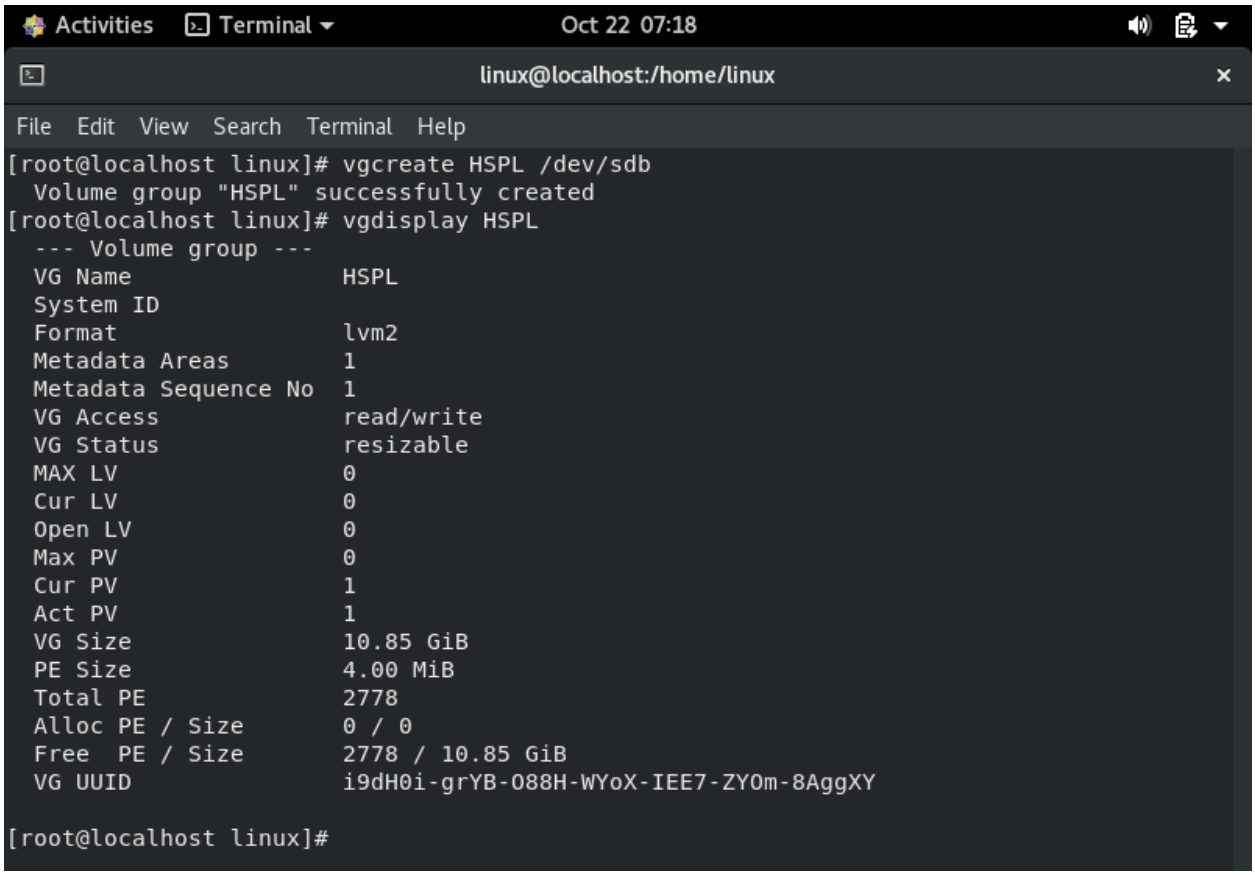
   >> ***vgcreate HSPL /dev/sdb***

2. ***Create VG with Specific PE (Physical Extends) Size***

   >> ***vgcreate -s 8 HSPL /dev/sdb***

3. ***Command to Display VG***

   >> ***vgdisplay HSPL /dev/sdb***



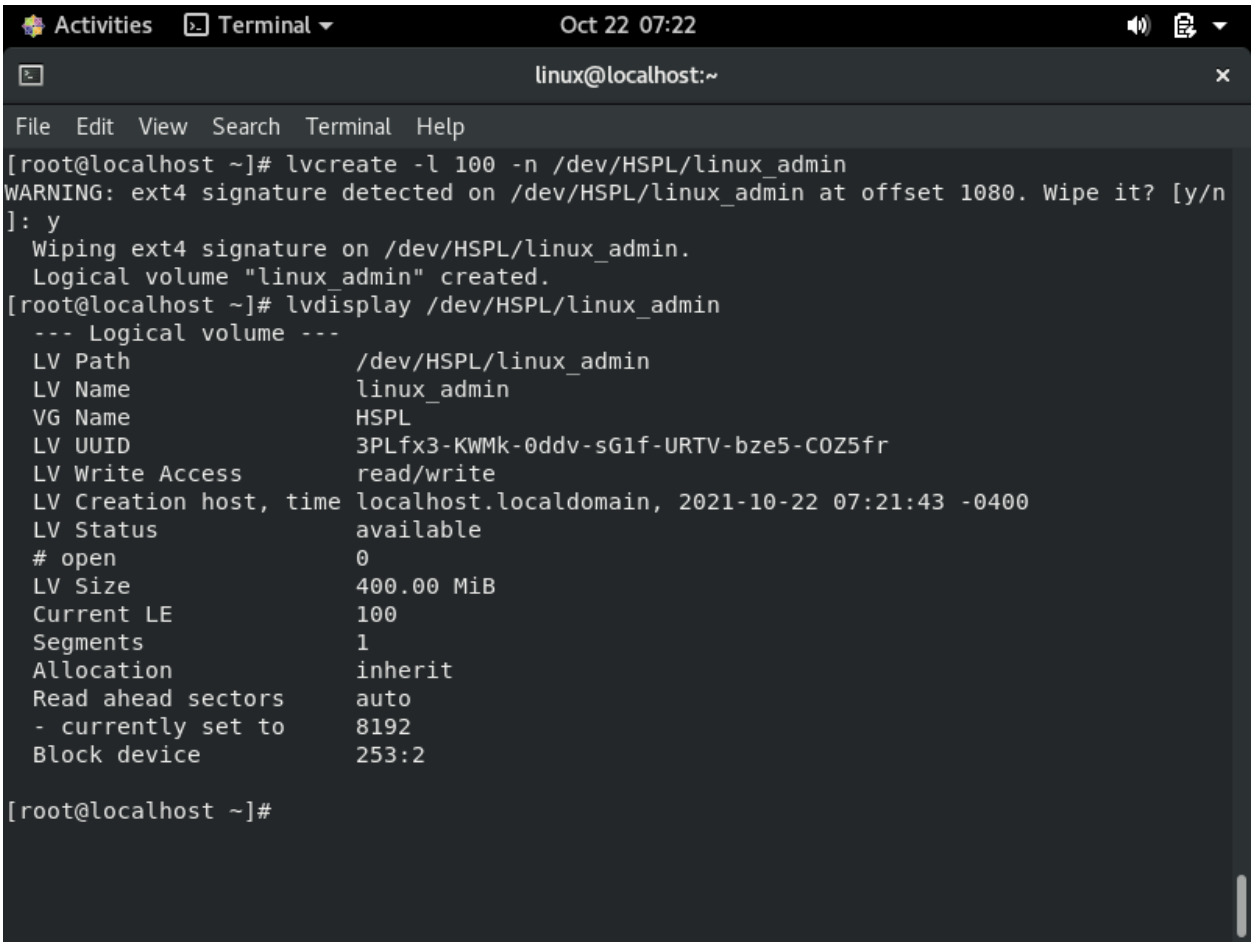
Step 3: Create Logical Volume

1. ***Create LV with specific PE size use following command***

   >> ***lvcreate -l 100 -n /dev/HSPL/linux_admin***

2. ***To display LV use following command***

   >> ***lvdisplay /dev/HSPL/linux_admin***



Step 4: Create File System

1. ***Following command is use to make file system***

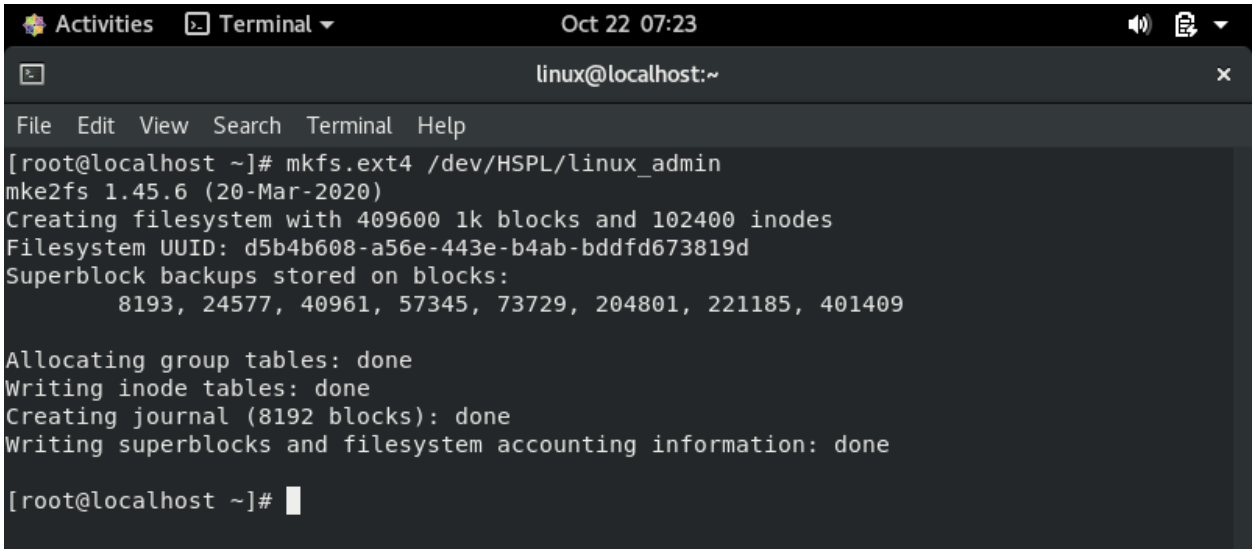
   >> ***mkfs.ext4 /dev/HSPL/linux_admin***

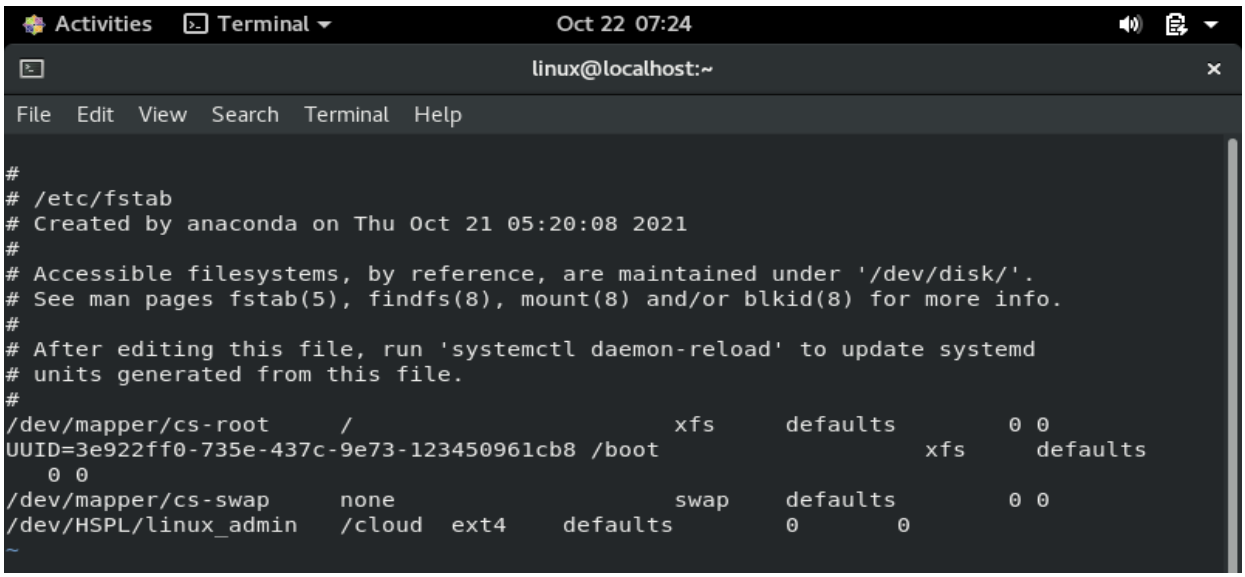
2. ***Make directory to mount the partition***

   >> ***mkdir /cloud***

3. ***Now add the entry in the " /etc/fstab " ass follows***

   >> ***/dev/HSPL/linux_admin /cloud ext4 defaults 0 0***





Step 5: ***Remove LV, VG, PV***

1. ***First Remove Permanent Mounting Record Form " /etc/fstab "***
2. ***Then unmount LVM >> umount Cloud***
3. ***Remove LV >> lvremove /dev/HSPL/linux_admin***
4. ***Remove VG >> Vgremove HSPL***
5. ***Remove PV >> pvremove /dev/sdb***
6. ***Last remove Partition >> fdisk /dev/sdb***