LU LINUX – DAY 5 ASSIGNMENT 2

Tools

Windows 7
Powered Off

Blacktrack
Powered Off

Kali 2020.3
Powered Off

Kali 2019.2
Powered Off

Cent 7
Powered Off

Centos 6
Powered Off

New   Settings   Discard   Start

General
Name: Centos 6
Operating System: Other Linux (64-bit)

System
Base Memory: 1024 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization

Display
Video Memory: 16 MB
Graphics Controller: VMSVGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage
Controller: IDE
IDE Primary Master: Centos 6.vdi (Normal, 10.00 GB)
IDE Primary Slave: Centos 6_1.vdi (Normal, 10.00 GB)
IDE Secondary Master: [Optical Drive] Empty

Host Driver: Windows DirectSound
Controller: ICH AC97

Network
Adapter 1:   Intel PRO/1000 MT Desktop (NAT)

USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)

Shared folders
None

Description
None

Preview

Centos 6

Centos 6 [Running] – Oracle VM VirtualBox

Applications   Places   System   Thu Dec 10, 7:39 PM   root

root@MSCentos:~/Desktop

File   Edit   View   Search   Terminal   Help

```
[root@MSCentos Desktop]# lsblk
NAME                          MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                             8:0    0    10G  0 disk
 ├─sda1                         8:1    0   500M  0 part /boot
 └─sda2                         8:2    0   9.5G  0 part
   ├─vg_mscentos-lv_root (dm-0) 253:0  0   8.5G  0 lvm  /
   └─vg_mscentos-lv_swap (dm-1) 253:1  0    1G   0 lvm  [SWAP]
sdb                             8:16   0    10G  0 disk
sr0                            11:0    1  1024M  0 rom
[root@MSCentos Desktop]#
```

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```
[root@MSCentos Desktop]# lsblk
NAME                        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                           8:0    0    10G  0 disk
 ├─sda1                       8:1    0   500M  0 part /boot
 └─sda2                       8:2    0   9.5G  0 part
   ├─vg_mscentos-lv_root (dm-0) 253:0  0   8.5G  0 lvm  /
   └─vg_mscentos-lv_swap (dm-1) 253:1  0    1G  0 lvm  [SWAP]
sdb                           8:16   0    10G  0 disk
sr0                          11:0    1 1024M  0 rom
[root@MSCentos Desktop]# cat /proc/partitions
major minor  #blocks   name

   8        0   10485760 sda
   8        1     512000 sda1
   8        2    9972736 sda2
   8       16   10485760 sdb
 253        0    8921088 dm-0
 253        1    1048576 dm-1
[root@MSCentos Desktop]# fdisk -l

Disk /dev/sda: 10.7 GB, 10737418240 bytes
255 heads, 63 sectors/track, 1305 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
```

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```
   e   extended
   p   primary partition (1-4)
p
Partition number (1-4): 1
First cylinder (1-1305, default 1): 1
Last cylinder, +cylinders or +size{K,M,G} (1-1305, default 1305): +4G

Command (m for help): n
Command action
   e   extended
   p   primary partition (1-4)
p
Partition number (1-4): 2
First cylinder (524-1305, default 524): 524
Last cylinder, +cylinders or +size{K,M,G} (524-1305, default 1305): +6G
Value out of range.
Last cylinder, +cylinders or +size{K,M,G} (524-1305, default 1305): +6GB

Command (m for help): P

Disk /dev/sdb: 10.7 GB, 10737418240 bytes
255 heads, 63 sectors/track, 1305 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
```

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```
Value out of range.
Last cylinder, +cylinders or +size{K,M,G} (524-1305, default 1305): +6GB

Command (m for help): P

Disk /dev/sdb: 10.7 GB, 10737418240 bytes
255 heads, 63 sectors/track, 1305 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk identifier: 0x65ac0cea

   Device Boot      Start         End      Blocks   Id  System
/dev/sdb1               1         523     4200966   83  Linux
/dev/sdb2             524        1253     5863725   83  Linux

Command (m for help): w
The partition table has been altered!

Calling ioctl() to re-read partition table.
Syncing disks.
[root@MSCentos Desktop]# mkfs.ext4 -j /dev/sdb2
mke2fs 1.41.12 (17-May-2010)
Filesystem label=
```

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```
/dev/mapper/vg_mscentos-lv_root
                      8.3G  3.5G  4.5G  44% /
tmpfs                 499M   17M  482M   4% /dev/shm
/dev/sda1             477M   35M  417M   8% /boot
/dev/sdb1             3.9G  8.1M  3.7G   1% /data
/dev/sdb2             5.4G   12M  5.1G   1% /music
[root@MSCentos Desktop]# du -h /data/seq1
du: cannot access `/data/seq1': No such file or directory
[root@MSCentos Desktop]# du -h /music/seq1
du: cannot access `/music/seq1': No such file or directory
[root@MSCentos Desktop]# df -ah
Filesystem            Size  Used Avail Use% Mounted on
/dev/mapper/vg_mscentos-lv_root
                      8.3G  3.5G  4.5G  44% /
proc                     0     0     0    - /proc
sysfs                    0     0     0    - /sys
devpts                   0     0     0    - /dev/pts
tmpfs                 499M   17M  482M   4% /dev/shm
/dev/sda1             477M   35M  417M   8% /boot
none                     0     0     0    - /proc/sys/fs/binfmt_misc
gvfs-fuse-daemon         0     0     0    - /root/.gvfs
/dev/sdb1             3.9G  8.1M  3.7G   1% /data
/dev/sdb2             5.4G   12M  5.1G   1% /music
[root@MSCentos Desktop]#
```

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[yum check-upda...   root@MSCentos:...   root@MSCentos:...   root@MSCentos:...

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```
[root@MSCentos Desktop]# mkdir /data
[root@MSCentos Desktop]# mkdir/music
bash: mkdir/music: No such file or directory
[root@MSCentos Desktop]# mkdir /music
[root@MSCentos Desktop]# mount /dev/sdb1 /data
[root@MSCentos Desktop]# mount /dev/sdb2 /music
[root@MSCentos Desktop]# ls
myfile
[root@MSCentos Desktop]# df -h
Filesystem               Size  Used Avail Use% Mounted on
/dev/mapper/vg_mscentos-lv_root
                         8.3G  3.5G  4.5G  44% /
tmpfs                    499M   17M  482M   4% /dev/shm
/dev/sda1                477M   35M  417M   8% /boot
/dev/sdb1                3.9G  8.1M  3.7G   1% /data
/dev/sdb2                5.4G   12M  5.1G   1% /music
[root@MSCentos Desktop]# du -h /data/seq1
du: cannot access `/data/seq1': No such file or directory
[root@MSCentos Desktop]# du -h /music/seq1
du: cannot access `/music/seq1': No such file or directory
[root@MSCentos Desktop]# df -ah
Filesystem               Size  Used Avail Use% Mounted on
```

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[yum check-upda...]   root@MSCentos:...   root@MSCentos:...   root@MSCentos:...

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