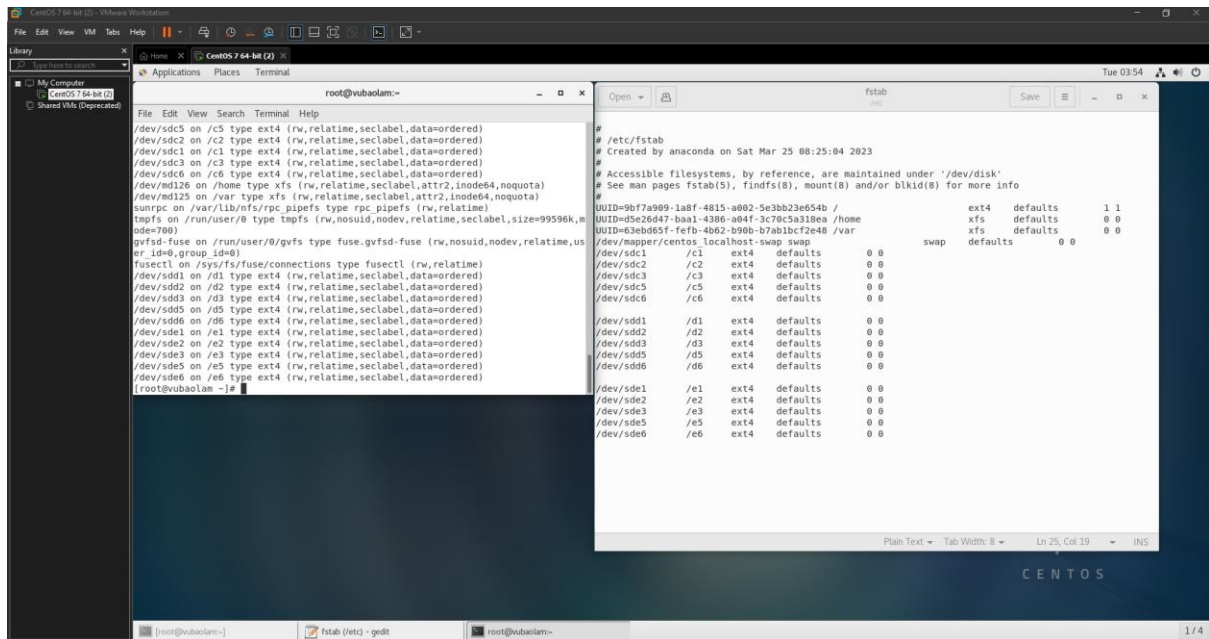


BÀI LAB MÔN NGUYÊN LÝ HỆ ĐIỀU HÀNH

SINH VIÊN: VŨ BẢO LÂM

MÃ SINH VIÊN: 211241205

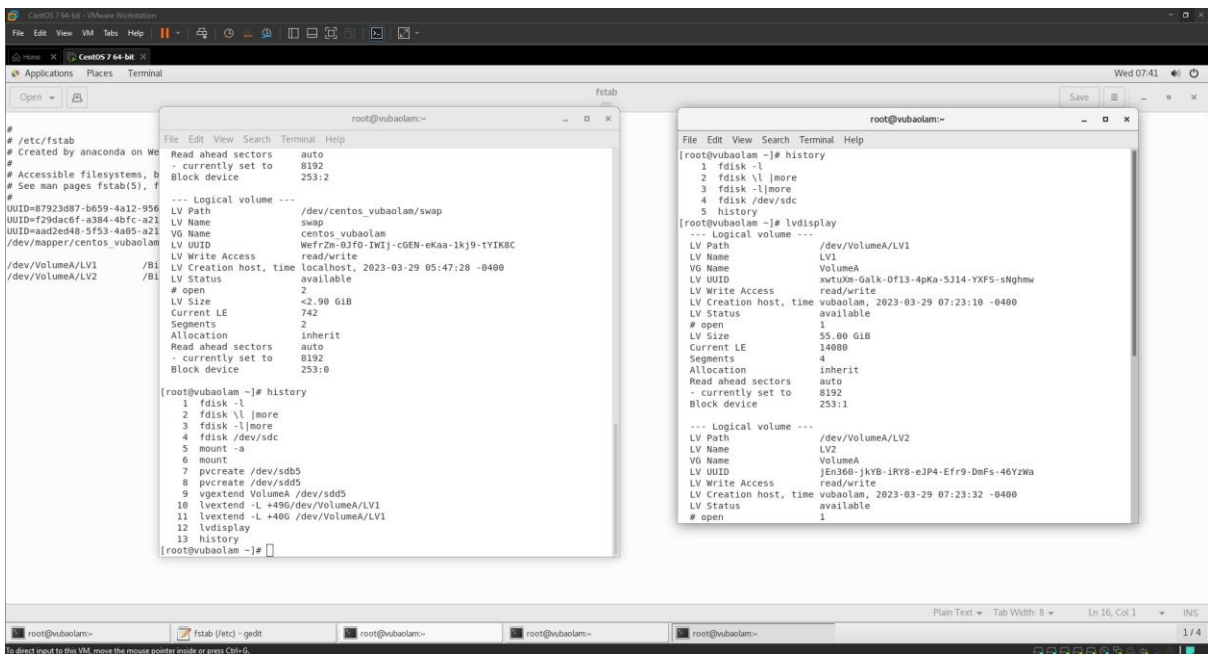
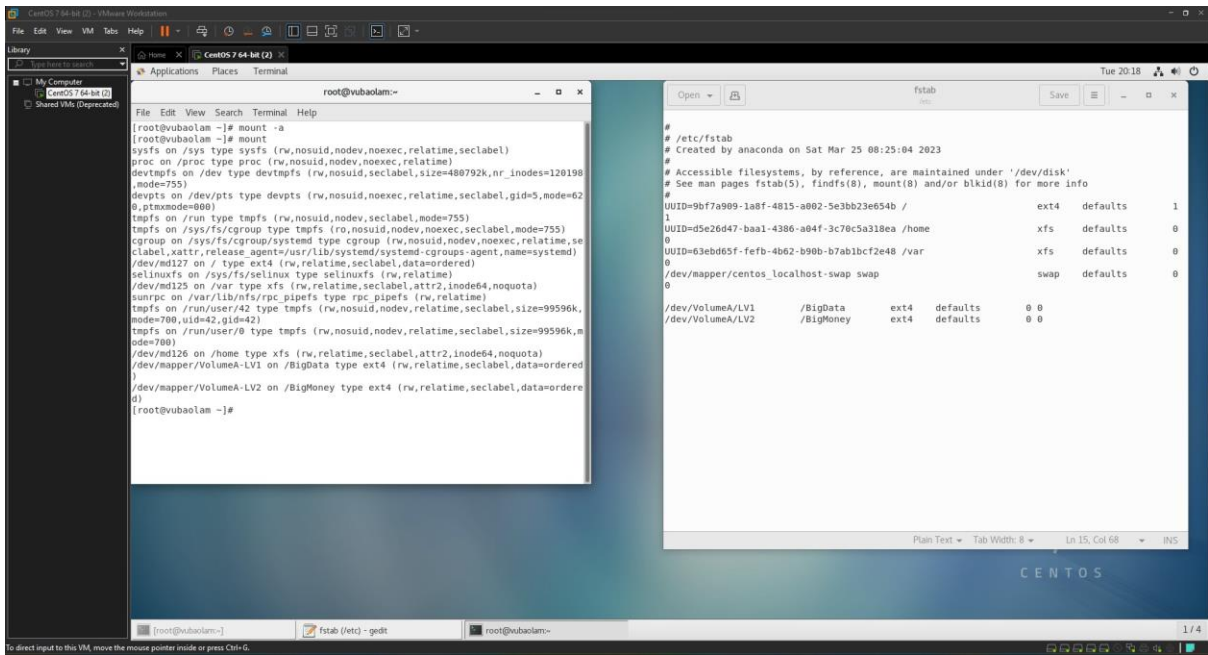
BÀI LAB 1:



The screenshot shows a CentOS 7 VM environment. A terminal window is open, displaying the contents of the `/etc/fstab` file. The file lists various filesystems and their mount options. The terminal output is as follows:

```
root@vubaolam:~# cat /etc/fstab
# /etc/fstab
# Created by anaconda on Sat Mar 25 08:25:04 2023
#
# 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
#
UUID=9b77a909-1a8f-4815-a002-5e3bb23e654b / ext4 defaults 1 1
UUID=d5e26447-baa1-4306-a04f-3c70c5a318ea /home xfs defaults 0 0
UUID=63ebd65f-feb6-4b62-b90b-b7ab1bcf2e48 /var xfs defaults 0 0
/dev/mapper/centos_localhost-swap swap swap defaults 0 0
/dev/sdc1 /c1 ext4 defaults 0 0
/dev/sdc2 /c2 ext4 defaults 0 0
/dev/sdc3 /c3 ext4 defaults 0 0
/dev/sdc5 /c5 ext4 defaults 0 0
/dev/sdc6 /c6 ext4 defaults 0 0
/dev/sdd1 /d1 ext4 defaults 0 0
/dev/sdd2 /d2 ext4 defaults 0 0
/dev/sdd3 /d3 ext4 defaults 0 0
/dev/sdd5 /d5 ext4 defaults 0 0
/dev/sdd6 /d6 ext4 defaults 0 0
/dev/sde1 /e1 ext4 defaults 0 0
/dev/sde2 /e2 ext4 defaults 0 0
/dev/sde3 /e3 ext4 defaults 0 0
/dev/sde5 /e5 ext4 defaults 0 0
/dev/sde6 /e6 ext4 defaults 0 0
```

BÀI LAB 2



BÀI LAB 3

RAID 1

```
CentOS 7 64-bit - VMware Workstation
File Edit View VM Tabs Help
CentOS 7 64-bit
Applications Places Terminal
root@vubaolam:~
File Edit View Search Terminal Help
51 mdadm
52 mdadm -C /dev/md1 -l 1 -n 2 /dev/sdc5 /dev/sdd5
53 mdadm -C /dev/md1 -l 1 -n 2 /dev/sdc5 /dev/sde5
54 mdadm --detail /dev/md1
55 cat /proc/mdstat
56 mkfs.ext4 /dev/md1
57 mkdir /raid1
58 mount -a
59 mount | grep md
60 cp /etc/* /raid1/
61 ll /raid1/
62 mdadm --detail --scan --verbose >> /etc/mdadm.conf
63 cat /etc/mdadm.conf
64 history
[root@vubaolam ~]# !54
mdadm --detail /dev/md1
/dev/md1:
    Version : 1.2
    Creation Time : Fri Apr 7 02:39:43 2023
    Raid Level : raid1
    Array Size : 41909248 (39.97 GiB 42.92 GB)
    Used Dev Size : 41909248 (39.97 GiB 42.92 GB)
    Raid Devices : 2
    Total Devices : 2
    Persistence : Superblock is persistent

    Update Time : Fri Apr 7 02:47:55 2023
    State : clean
    Active Devices : 2
    Working Devices : 2
    Failed Devices : 0
    Spare Devices : 0

Consistency Policy : resync

    Name : vubaolam:1 (local to host vubaolam)
    UUID : 6a862ac9:190734b3:8be7d31c:674898bc
    Events : 37

    Number Major Minor RaidDevice State
       0      8     37        0  active sync  /dev/sdc5
       1      8     69        1  active sync  /dev/sde5
[root@vubaolam ~]#
```

RAID 5

```
CentOS 7 64-bit - VMware Workstation
File Edit View VM Tabs Help
[Icons]

Home X CentOS 7 64-bit X

[root@vubaolam ~]# mdadm --detail /dev/md5
/dev/md5:
    Version : 1.2
  Creation Time : Fri Apr  7 03:35:55 2023
    Raid Level : raid5
    Array Size : 209575936 (199.87 GiB 214.61 GB)
  Used Dev Size : 104787968 (99.93 GiB 107.30 GB)
    Raid Devices : 3
    Total Devices : 3
  Persistence : Superblock is persistent

    Update Time : Fri Apr  7 04:11:02 2023
      State : clean
    Active Devices : 3
    Working Devices : 3
    Failed Devices : 0
    Spare Devices : 0

    Layout : left-symmetric
    Chunk Size : 512K

Consistency Policy : resync

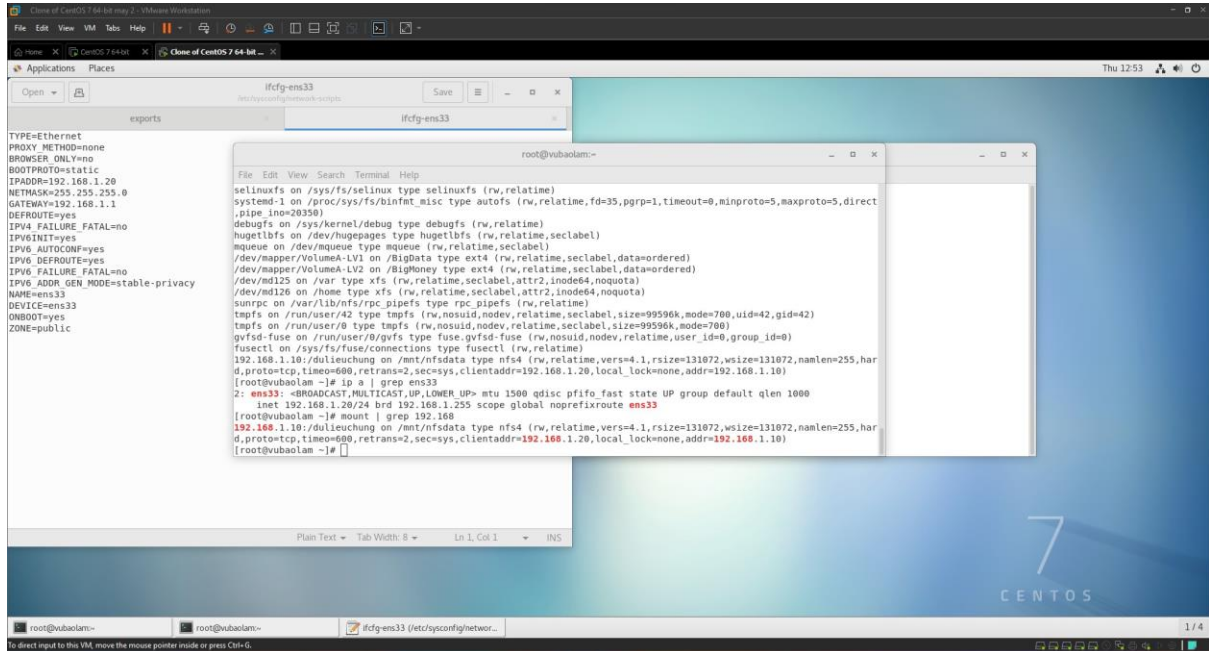
    Name : vubaolam:5 (local to host vubaolam)
    UUID : ebfb8bc5:54ae1a7b:229175a8:fe7d3ebe
    Events : 22

    Number Major Minor RaidDevice State
       0     8     38         0  active sync  /dev/sdc6
       1     8     54         1  active sync  /dev/sdd6
       3     8     70         2  active sync  /dev/sde6
[root@vubaolam ~]# _
```

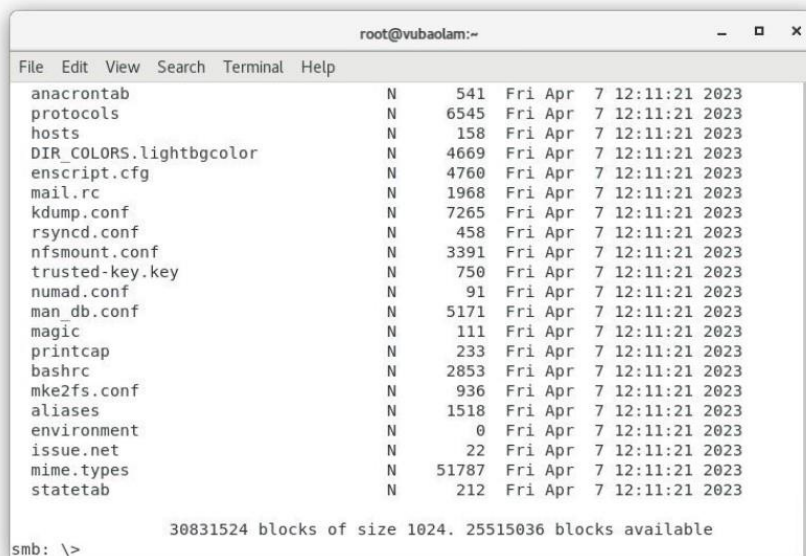
To direct input to this VM, click inside or press Ctrl+G.

BÀI LAB 4:

NFS



SAMBA



-----HẾT-----