Assignment

➢ ACL:

→ setfacl – Set file access control list

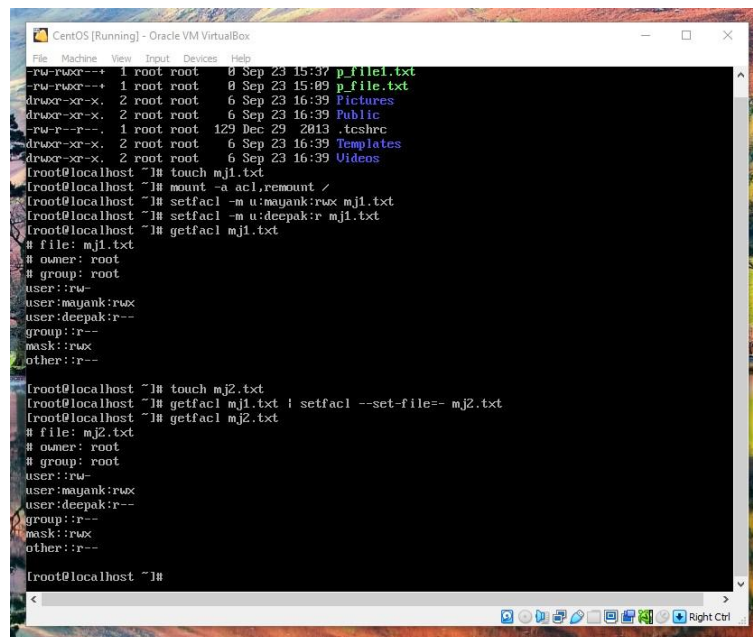   - It is use to give multiple user access on one file.

- ▪ [root@localhost ~]# mount -a acl,remount /
- ▪ [root@localhost ~]# setfacl -m u:mayank:rwx p_file.txt
- ▪ [root@localhost ~]# setfacl -m u:deepak:r p_file.txt

→ To check ACL:
- ▪ [root@localhost ~]# getfacl p_file.txt

→ To give same ACL to different file:
- ▪ [root@localhost ~]# getfacl p_file.txt | setfacl --set-file=-
  p_file1.txt

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➢ Mount .iso file, install Apache web server and allow that service using firewall.
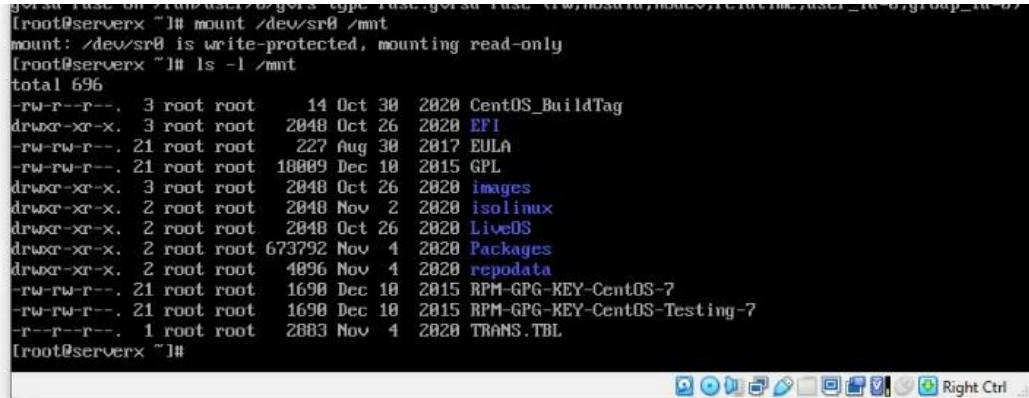
→ Insert .iso file:

- o Select 'Machine' menu of server.
- o Select Storage.
- o Inside Controller iDE select Dropdown near Optical drive
- o Select 'Choose a disk file'.
- o Select centos .iso file.
- o Ok & Apply
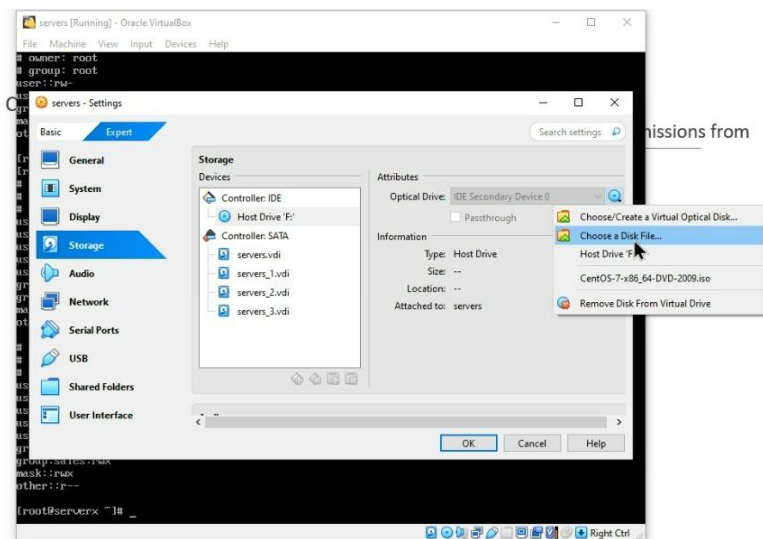
→ In CLI of CentOS: [To open: ctl + alt +f2 & close: ctl + alt + f1]
- o To Mount:
  - ▪ [root@localhost ~]#mount /dev/sr0 /mnt
  - ▪ [root@localhost ~]#ls -l /mnt

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[root@serverx ~]# mount /dev/sr0 /mnt
mount: /dev/sr0 is write-protected, mounting read-only
[root@serverx ~]# ls -l /mnt
total 696
-rw-r--r--.  3 root root     14 Oct 30  2020 CentOS_BuildTag
drwxr-xr-x.  3 root root   2048 Oct 26  2020 EFI
-rw-rw-r--. 21 root root    227 Aug 30  2017 EULA
-rw-rw-r--. 21 root root  18009 Dec 10  2015 GPL
drwxr-xr-x.  3 root root   2048 Oct 26  2020 images
drwxr-xr-x.  2 root root   2048 Nov  2  2020 isolinux
drwxr-xr-x.  2 root root   2048 Oct 26  2020 LiveOS
drwxr-xr-x.  2 root root 673792 Nov  4  2020 Packages
drwxr-xr-x.  2 root root   4096 Nov  4  2020 repodata
-rw-rw-r--. 21 root root   1690 Dec 10  2015 RPM-GPG-KEY-CentOS-7
-rw-rw-r--. 21 root root   1690 Dec 10  2015 RPM-GPG-KEY-CentOS-Testing-7
-r--r--r--.  1 root root   2883 Nov  4  2020 TRANS.TBL
[root@serverx ~]#
```
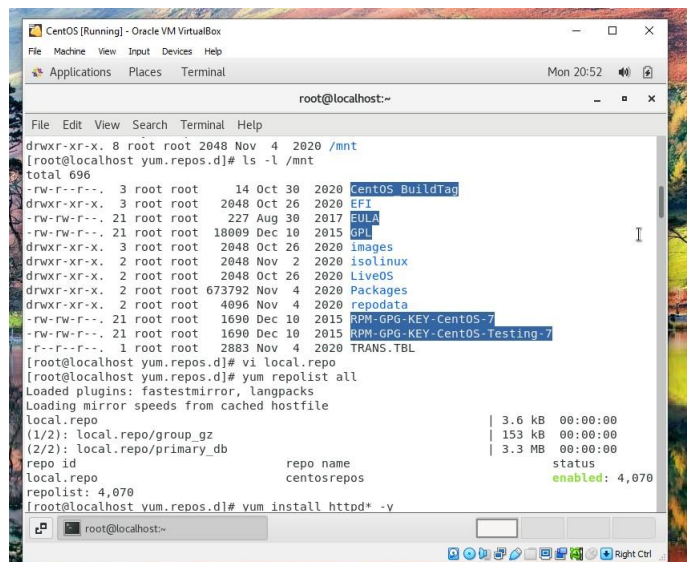
→ Open Terminal in CentOS:
- o Application => System Tool => Terminal
  - ▪ [root@localhost ~]#cd /etc/yum.repos.d
  - ▪ [root@localhost yum.repos.d]#ls –l
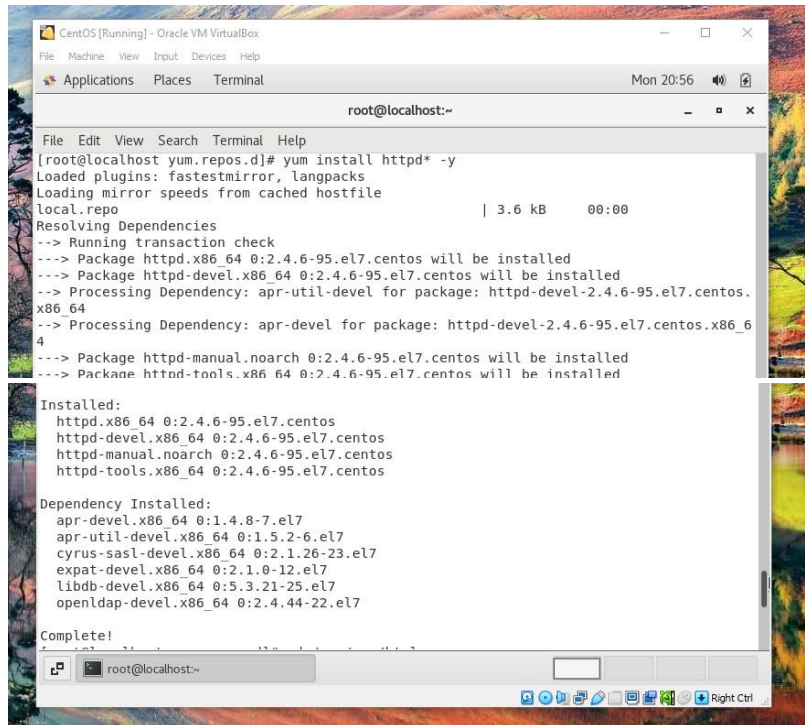
- o To remove all .repo files:
  - ▪ [root@localhost yum.repos.d]#rm -f *.repo

- Create new repo file:
  - [root@localhost yum.repos.d]# vi local.repo
  - In VI editor, Press 'i' to insert and write the below content:
  - [local.repo]
    name=centosrepo
    baseurl=file:///mnt
    enable=1
    gpgcheck=1
    gpgkey=file://mnt/RPM-GPG-KEY-CentOS-7
  - To exit: ESC + :wq
  - [root@localhost yum.repos.d]# yum repolist all
  - OUTPUT: "enabled:4070"

- To install Apache web server:
  - [root@localhost yum.repos.d]# yum install httpd* -y
  - OUTPUT: "Complete!"
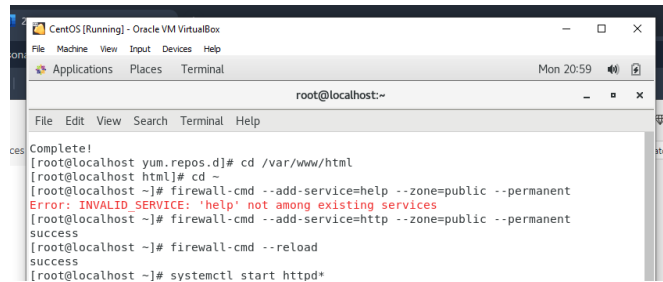

- To confirm it:
  - [root@localhost yum.repos.d]# cd /var/www/html
  - [root@localhost yum.repos.d]# cd ~
  - [root@localhost ~]#

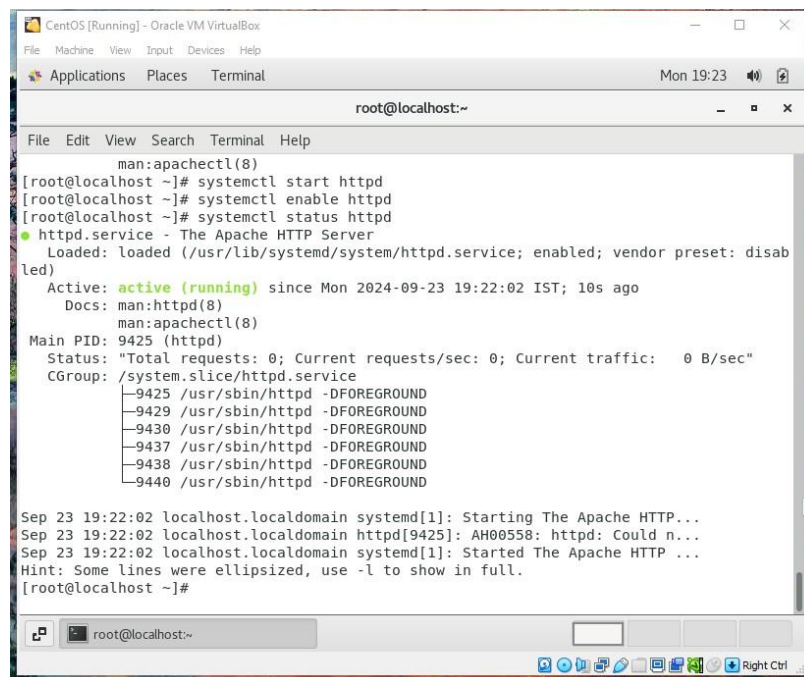→ Allow service by using Firewall:
- o [root@localhost ~]# firewall-cmd -add-service=httpd --zone=public --permanent
- o OUTPUT: "Success"
- o [root@localhost ~]# firewall-cmd --reload
- o OUTPUT: "Success"

- o [root@localhost ~]# systemctl start httpd
- o [root@localhost ~]# systemctl enable httpd
- o [root@localhost ~]# systemctl status httpd

→ Try running last 3 command until you get output like: activate (running)

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