Class 17

Lock any user after 3 attempt failed then account will locked for 2 hours

1. /etc/pam.d/password-auth
2. /etc/pam.d/system-auth

5 auth required pam\_faillock.so preauth silent audit deny=3 unlock\_time=600

10 auth [default=die] pam\_faillock.so authfail audit deny=3 unlock\_time=600

19 account required pam\_permit.so

Audit = enable the log of user

Deny =3 =3 time give wrong password

Unlock\_time =600 = sec = 10 x60 = 10 min

Check the log

Tail /var/log/secure

Or

Faillock --user abc

Unlock the account

Faillock --user abc --reset

Non-privilege

Root

5 auth required pam\_faillock.so preauth silent audit even\_deny\_root deny=3 unlock\_time=600

10 auth [default=die] pam\_faillock.so authfail audit even\_deny\_root deny=3 unlock\_time=600

19 account required pam\_permit.so

Networking part

Give the IP add

IP add =(Internet protocol) = it is unique identification of computer in a network . It is 32 bit and write in decimal (0-9) .It is given by user , we can change it .

Class the IP

Class A = 0-127 (0 = booting time , 127 = loopback add ) 1-126 in use

Class B = 128 -191

Class C = 192-223

Class D = 224 -239 (multicasting)

Class E = 240 – 255 (research)

Subnet mask

Class A = 255.0.0.0 = /8

Class B = 255.255.0.0 = /16

Class C = 255.255.255.0 = /24

3 way to give the ip

1. Nmtui = network manager terminal user interface

RHEL 7,8 ,9 = ens160 , ens224

RHEL 5,6 = eth0 , eth1

See the ip add = ifconfig or ip a

See the gateway ip = route –n or ip route show or netstat -rn

See the dns = cat /etc/resolve.conf

1. See the lan card name = nmcli connection

Nmcli con mod ens160 ipv4.method manual

Nmcli con mod ens160 ipv4.addresses 10.0.0.1/8 = give the ip

Nmcli con mod ens160 ipv4.gateway 20.0.0.1 = give the gateway

Nmcli con mod ens160 ipv4.dns 30.0.0.1 = give the dns

Nmcli con up ens160 = activate

1. Vim /etc/sysconfig/network-scripts/ifcfg-ens160

Make a network

NFS = network file sharing

Window - window

Linux - linux = nfs

Window-linux = samba

It is use to share the data between linux to linux , we use 4 version , port no = 2049

Package = nfs-utils

Vm1 =192.168.1.7

Vm2 = 192.168.1.8

Vm1 =

Mkdir /software = cd /software = touch aa bb cc

Chmod 777 /software

Vim /etc/exports

/software \*(rw)

:wq

\*(rw) = any one can access the data (read and write)

10.0.0.0(rw) = only 10.0.0.0 network can access

10.0.0.100(rw ) = only 10.0.0.100 ip can access the data

\*(ro) = read only

Systemctl restart nfs-server

Systemctl enable nfs-server =automatically start nfs after start the server

Security in linux = firewall and selinux

2 way

Systemctl stop firewalld

OrOnly allow nfs

Firewall-cmd --permanent --add-service =nfs

Firewall-cmd --permanent --add-service =rpc-bind

Firewall-cmd --permanent --add-service =mountd

Firewall-cmd --reload

Showmount –e = see the shared data

VM2

Showmount -e 192.168.1.7

Mount 192.168.1.7:/software /mnt = temporary

Permanent

Vim /etc/fstab

192.168.1.7:/software /mnt nfs defaults 0 0

:wq

Mount –a

Lock the account after 3 wrong attempt ,3 way give the IP add , nfs

Scp ,rsync,teaming