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

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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

2. 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
3. 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