Class 18

SCP = secure copy = it is use to share the data in encrypted way , port no =22

NFS =

2 VM

Server1 = 192.168.1.7

Server2 = 192.168.1.8

Server1 :-

Scp -r foldername [root@192.168.1.8](mailto:root@192.168.1.8): = folder

Scp filename [root@192.168.1.8](mailto:root@192.168.1.8) =file

Scp [root@192.168.1.8:/etc/passwd](mailto:root@192.168.1.8:/etc/passwd) /mnt

Rsync = it is use in take the incremental backup .port no = 873

Backup

Local

Mkdir /sqldata /backup

Cd /sqldata = touch aa bb cc

Rsync -av /sqldata /backup (-a =all , v =verbose)

Remote

Rsync -av [root@192.168.1.8:/home](mailto:root@192.168.1.8:/home) /backup

Difference between scp and rsync

1. Scp take full backup but rsync take incremental backup
2. Rsync copy the data in local and remote but scp only in remote

Network Teaming

It is use to connect multiple lan card in a team and apply the single IP , at a time single lan card activate . we can connect max 32 card in a teaming

Attach 2 lan card

Ens160 , ens224

Nmcli connection show = see the lan card name

Nmcli connection add type team con-name team1 ifname team1 config ‘{“runner”: {“name”: “activebackup”}}’

nmcli connection modify team1 ipv4.addresses 192.168.1.100/24 ipv4.method manual

activate the ip

nmcli connection add type team-slave con-name slave1 ifname ens160 master team1

nmcli connection add type team-slave con-name slave2 ifname ens224 master team1

telnet = telecommunication network = it is use to take the console remotely but it is not secure because it share the console in plain text . port = 23

install the package

yum install telnet\* -y

systemctl restart telnet.socket

firewall-cmd --permanent –add-service=telnet

firewall-cmd --reload

client =

linux = yum install telnet\* -y

telnet 192.168.1.8

window

control panel = program and feature = allow the telnet

run –cmd - telnet 192.168.1.8

3 party software =putty

XRDP = GUI remote desktop protocol = it is use to take the GUI remotely .Port no - 3389

Yum install epel-release

Yum install xrdp\* -y

Systemctl restart xrdp

Systemctl enable xrdp

Firewall-cmd --permanent --add-port=3389/tcp

Firewall-cmd --reload

Window

Run = mstsc (Microsoft terminal services) = give IP

GUI open in only 1 side at a time

SCP , Rsync , network teaming , telnet , Xrdp

SSH