ifconfig - list all active interfaces

ifconfig interface - list all interface details

ip route – list the gateway

nmtui – to configure ip number/gateway/dns

hostnamectl – to get or set hostname

hostnamectl status – to get hostname

hostnamectl set-hostname hostname – to set hostname

Remote connection

ssh port number - 22

A B

192.168.1.120 192.168.1.121

From system A type the following command to connect to system B

ssh [user@ip\_number\_of\_system\_b](mailto:user@ip_number_of_system_b)

scp filename [user@ip\_number](mailto:user@ip_number):/path\_of\_destination\_directory

Firewall

To inspect the incoming and outgoing network packets and allow or deny based user specified rules

Netfilter - Linux kernel module relevant to firewall

firewall-cmd –permanent –add-service=ssh

firewall-cmd --permanent –add-port=25/tcp

firewall-cmd –permanent –remove-service=ssh

Network File System

A B

/data

yum info nfs-utils

systemctl status nfs-server

systemctl start nfs-server

mkdir / data

edit / etc/exports ( configuration file for NFS)

/ data 192.168.1.0/24(rw,no\_subtree\_check, no\_root\_squash)

no\_subtree\_check – subdirectories are mounted on demand

no\_root\_squash – root in server and client treated as same

systemctl restart nfs-server

showmount -e localhost

set firewall rules

firewall-cmd --add-port=111/tcp

firewall-cmd –add-port=2049/tcp

firewall-cmd –add-port=20048/tcp

systemctl restart nfs-server

At nfs client

showmount -e IPNumber

mount -t nfs IPNumber:/data /mnt