

Basic Configuration

Step-1: Time, Date and Time Zone Configuration:

```
#timedatectl set-timezone Asia/Dhaka  
#timedatectl
```

Step-2: Set SELinux Off:

```
#vi /etc/selinux/config  
SELINUX=disabled  
:X  
#reboot
```

Step-2: Hostname Configuration:

```
#hostnamectl set-hostname graph.nmslab.net  
# logout
```

Login again to check the effect

```
#hostname  
graph.nmslab.net
```

Step-4: Network Configuration:

```
#nmtui  
#nmcli connection down enp0s3  
#nmcli connection up enp0s3  
# ifconfig
```

Step-5: Update hosts file:

```
# vim /etc/hosts  
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4  
103.110.59.150 graph.nmslab.net graph  
:X
```

To check the effect

```
[root@mail ~]# hostname  
graph.nmslab.net
```

Step-6: SSH Server Configuration:

=> Create a new user for ssh secure login:

```
#adduser sysadmin
```

```
#passwd sysadmin
```

=> Necessary Packages Install:

```
#dnf -y install openssh-clients openssh-server
```

=> Edit the SSH Configuration File:

```
#cd /etc/ssh/
```

```
#vi sshd_config
```

```
Port 4422
```

```
PermitRootLogin no
```

```
AllowUsers sysadmin
```

```
:x
```

Change ssh port

Deny root login

Permit SSH Users

=> Allow ssh port into the Firewall:

```
#firewall-cmd --permanent --add-port=4422/tcp
```

```
#firewal-cmd --reload
```

=> Restart SSH Service:

```
#systemctl enable sshd
```

```
#systemctl status sshd
```

```
#systemctl restart sshd
```

```
Try to login remotely
```

```
#ssh sysadmin@103.110.59.150 -p 4422
```