



## Update Repositories

```
corporealsoul@localhost:~$ sudo yum update -y
```

## Network Identity

```
corporealsoul@localhost:~$ sudo vi /etc/hostname
```

```
root@localhost:~# cat /etc/hostname
```

```
192.168.56.4 corporealsoul-server
```

```
192.168.56.8 corporealsoul-client
```

## Local Host Resolution

```
corporealsoul@localhost:~$ sudo vi /etc/hosts
```

```
192.168.56.4 corporealsoul-server
```

## Static IP Configuration

```
corporealsoul@localhost:~$ sudo nmtui
```

Static Address : 192.168.56.4

Gateway : 192.168.56.1

DNS Server : 8.8.8.8, 8.8.4.4

## Customizing the Shell Environment - User

```
corporealsoul@corporealsoul-server:~$ vi .bashrc
```

```
corporealsoul@corporealsoul-server:~$ source ~/.bashrc
```

export

PS1="[\e[0;32m\]└─[\e[0;34m\][\[\e[0;36m\]\t\[\e[0;34m\)]\[\e[0;32m\]-\[\e[0;34m\][\\$?]\[\e[0;32m\]-\[\e[0;34m\][\h]\[\e[0;32m\]-\[\e[0;34m\][\w]\n\[\e[0;32m\]└─ \[\e[0m\]"

## Customizing the Shell Environment - Root

```
corporealsoul@corporealsoul-server:~$ sudo su -
```

```
root@corporealsoul-server:~# vi .bashrc
```

```
root@corporealsoul-server:~# source ~/.bashrc
```

```
export PS1="\[\e[01;37m\]\[\e[0m\]\[\e[01;31m\]\u\[\e[0m\]\[\e[00;37m\]@\[\e[0m\]\[\e[01;34m\]\h\[\e[0m\]\[\e[00;37m\]\[\e[0m\]\[\e[00;37m\]\t\[\e[0m\]\[\e[01;37m\] \W\]\$ \[\e[0m\]"
```

## Generate a New SSH key pair

```
[corporealsoul@corporealsoul-server 16:18:27 ~]$ ssh-keygen -t ed25519
[corporealsoul@corporealsoul-server 16:18:27 ~]$ ssh-copy-id corporealsoul@192.168.56.4
[corporealsoul@corporealsoul-server 16:18:27 ~]$ ssh-copy-id corporealsoul@192.168.56.8
[corporealsoul@corporealsoul-server 16:18:27 ~]$ cat ~/.ssh/authorized_keys
```

Note: From windows password-less authentication, manually copy public key to the Servers.

## Elevated Privileges (root access)

```
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo visudo
corporealsoul ALL=(ALL) NOPASSWD:ALL
```

## Enable / Disable Password Login

```
[corporealsoul@corporealsoul-server 15:57:46 ~]$ sudo vi /etc/ssh/sshd_config
[corporealsoul@corporealsoul-server 16:54:44 ~]$ systemctl restart sshd

PermitRootLogin yes

PasswordAuthentication yes
```

## Enable EPEL repository

```
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum update -y
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum install epel-release -y
```

## Required Software Installation

```
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum update -y
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum install htop -y
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum install make -y
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum install git -y
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum install curl wget -y
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo yum install net-tools -y
```

## Disable Unused Services

```
[corporealsoul@corporealsoul-server 16:16:19 ~]$ systemctl list-unit-files --type=service --state=enabled
[corporealsoul@corporealsoul-server 16:16:19 ~]$ systemctl disable postfix
```



## Manage Firewall

```
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo systemctl status firewalld.service
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo systemctl enable --now sshd
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo systemctl enable --now firewalld
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo firewall-cmd --permanent --add-service=ssh
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo firewall-cmd --permanent --add-service=http
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo firewall-cmd --permanent --add-service=https
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo firewall-cmd --reload
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo firewall-cmd --list-all
```

## Manage SELinux

```
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo getenforce
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo setenforce 1
[corporealsoul@corporealsoul-server 16:18:27 ~]$ sudo vi /etc/selinux/config

# Set SELINUX=enforcing
```