

**SSH** : Is remote login server

**There are two parts server and clients :**

### **1. Setup ssh server in UBuntu**

```
sudo apt install openssh-server
[sudo] password for fire:
Reading package lists... Done
Building dependency tree
Reading state information... Done
openssh-server is already the newest version (1:8.2p1-4ubuntu0.4)
```

### **2. Configure ssh server**

Configuration file :

```
cd /etc/ssh/
fire@node155:/etc/ssh$ ls
moduli      ssh_config.d  ssh_host_ecdsa_key.pub
ssh_host_ed25519_key.pub ssh_host_rsa_key.pub sshd_config
ssh_config  ssh_host_ecdsa_key ssh_host_ed25519_key  ssh_host_rsa_key
ssh_import_id  sshd_config.d
```

**Main configuration file :**

**Cat /etc/ssh/sshd\_config**

Note: by default sshd configuration file is all setup

### **3. Lets start sshd service**

```
sudo systemctl restart sshd
```

```
fire@node155:/etc/ssh$ sudo systemctl status sshd
```

- ssh.service - OpenBSD Secure Shell server

Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)

Active: **active (running)** since Thu 2022-04-21 09:21:58 PDT; 8s ago

Docs: man:sshd(8)

man:sshd\_config(5)

Process: 1479372 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)

Main PID: 1479373 (sshd)

Tasks: 1 (limit: 9304)

Memory: 1.0M

CGroup: /system.slice/ssh.service

└─1479373 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Client side :

Step 1 : if client is linux

Step 2 : if client is windows

Step 3: if client is mac

**Lets explore sshd config file more**

- 1. How to enable root login**
- 2. How to change port number**
- 3. How to login a particular user**