

Install OpenSSH

1 Update Package Lists

Before installing anything, make sure your package list is up to date:

```
1 | apt update
```

⚠ Note: You need to be logged into the `root` user

2 Install OpenSSH Server

```
1 | apt install openssh-server -y
```

3 Restart SSHD service

```
1 | systemctl restart sshd
```

4 Check SSHD status

```
1 | systemctl status sshd
```

⚠ Note: Needs to be `active (running)`

🎉 Congratulations! You're all set

SSH Connection

1 Generate an SSH Key (local)

```
1 | ssh-keygen
```

- When prompted, choose a **custom key name** (e.g. SYT_3BHITS)

2 Navigate to the SSH Directory

```
1 | cd ~/.ssh/
```

3 Copy the Public Key to the Server

```
1 | ssh-copy-id -i <keyname>.pub -p <port> <username>@localhost
```

A. Connect Using SSH Key

```
1 | ssh -p <port> -i <keyname> <username>@localhost
```

B. Connection using Password

```
1 | ssh <username>@localhost -p <port>
```

Manually Upload SSH Key to Debian (if ssh-copy-id doesn't work)

```
1 | scp -P <port> <keyname>.pub <username>@localhost:
```

 Note: Don't add anything after the `:` → the key will be copied to the user's home directory (`~`)

```
1 | cat <keyname>.pub >> .ssh/authorized_keys
```

 Note: If you don't have `authorized_keys`, create the file

Add SSH Connection to Config file

 Note: These commands are executed locally!

- Navigate to `~/.ssh/config`

Add the following (example):

```
1 | Host debian_DHCP
2 |   Hostname localhost
3 |   Port 4448
4 |   User debian_admin
5 |   IdentityFile ~/.ssh/SYT_3BHITS
```