

# Connecting to WSL2 via SSH

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## Connecting the WSL2 Terminal from other Machine

It Requires few steps from WSL2 and from Windows Admin PowerShell Terminal

### Step 1:- Install OpenSSH-Server in WSL2

1. Installing openssh server

```
sudo apt install openssh-server
```

2. Editing the /etc/ssh/sshd\_config file

```
Port 2222
#AddressFamily any
ListenAddress 0.0.0.0
#ListenAddress ::

# To disable tunneled clear text passwords, change to no here!
PasswordAuthentication yes
```

3. Start the WSL2 Service

```
sudo service ssh start
```

4. Getting the IP address of the WSL2

```
ifconfig | grep -Eo 'inet (addr:)?([0-9]*\.){3}[0-9]*' | grep -Eo '([0-9]*\.){3}[0-9]*' | grep -v '127.0.0.1'
```

### Step 2:- FORWARD PORTS INTO WSL2

1. Creating a forward rule:

```
netsh interface portproxy add v4tov4 listenaddress=0.0.0.0 listenport=2222 connectaddress=$WSL_IP connectport=2222
```

*Note:* Your \$WSL\_IP will be of 172...\* series and will get from the Step1 Point4

### Step 3:- OPEN THE Incoming FIREWALL port

1. Creating firewall rule to allow connections

```
netsh advfirewall firewall add rule name="Open Port 2222 for WSL2" dir=in action=allow protocol=TCP localport=2222
```

2. Verify the Firewall port

```
netsh interface portproxy show v4tov4
```

### Step 4:- Connecting to WSL2 terminal from CMD(other machine)

1. Open CMD/Powershell

```
ssh username@HOSTNAME -p 2222
```

### Limitations:

1. Will not work with the Zscaler Connected Machines.

Known Issues:

1. If you see **Connection Refused** while connecting to WSL2. Make sure your SSH is started in WSL2

```
sudo service ssh status
```

if it is down:

```
sudo service ssh start
```