

Unable to Access the Server:

```
$ ssh -i my-key.pem ec2-user@54.173.25.100
ssh: connect to host 54.173.25.100 port 22: Connection timed out
```

I was facing this issue So, I found out that there was an issue with my Security Groups of my instance which was blocking me from accessing the server.

In SG, I just add 'ssh' port 22 to allow the ssh traffic into the server.

And I make sure that I will login again with the appropriate username.

It worked successfully.

Network connectivity troubleshooting:

My Virtual Box VM has a networking issue, when I run 'ifconfig'. It was not showing an IP address. Basically the VM is not connected to a network.

```
enp0s3: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
        ether 08:00:27:53:8b:aa txqueuelen 1000 (Ethernet)
        RX packets 0 bytes 0 (0.0 B)
        TX packets 0 bytes 0 (0.0 B)
```

Fix: In VirtualBox:

Go to Settings → Network

Ensure Attached to is set to Bridged Adapter.

Restart the VM.

And then restart the Networking Services:

```
$ sudo systemctl restart NetworkManager
$ sudo systemctl restart networking
```

When I ran 'Ifconfig' again, it showed me the IP address.

Virtual machine performance:

My VM was running slow, to troubleshoot this issue I followed the following steps.

Check whether there is enough Memory for the system. (do not include the host machine).(it was fine)

Check whether there is enough CPU for the system to run an application. (when checking the CPU's there were only 2).

Solution was to add 2 more CPU's to run my VM's smoothly.

Cannot connect to Website or Application:

Ping a different server from source. (there was no issue with the server.)

Use curl ip_addr_of_website

```
curl: (7) Failed to connect to 192.168.1.100 port 80: Connection refused
```

When i ran, telnet 192.168.1.100 80, it was showing me

```
Trying 192.168.1.100...  
telnet: Unable to connect to remote host: Connection refused
```

When i checked the status of the Httpd service, it showed me

```
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: enabled)  
   Active: failed (Result: exit-code) since Mon 2025-02-20 12:30:15 UTC; 5min ago
```

Finally, i just restarted the service by using, 'systemctl restart httpd'.

```
● httpd.service - The Apache HTTP Server  
   Active: active (running) since Mon 2025-02-20 12:35:15 UTC
```