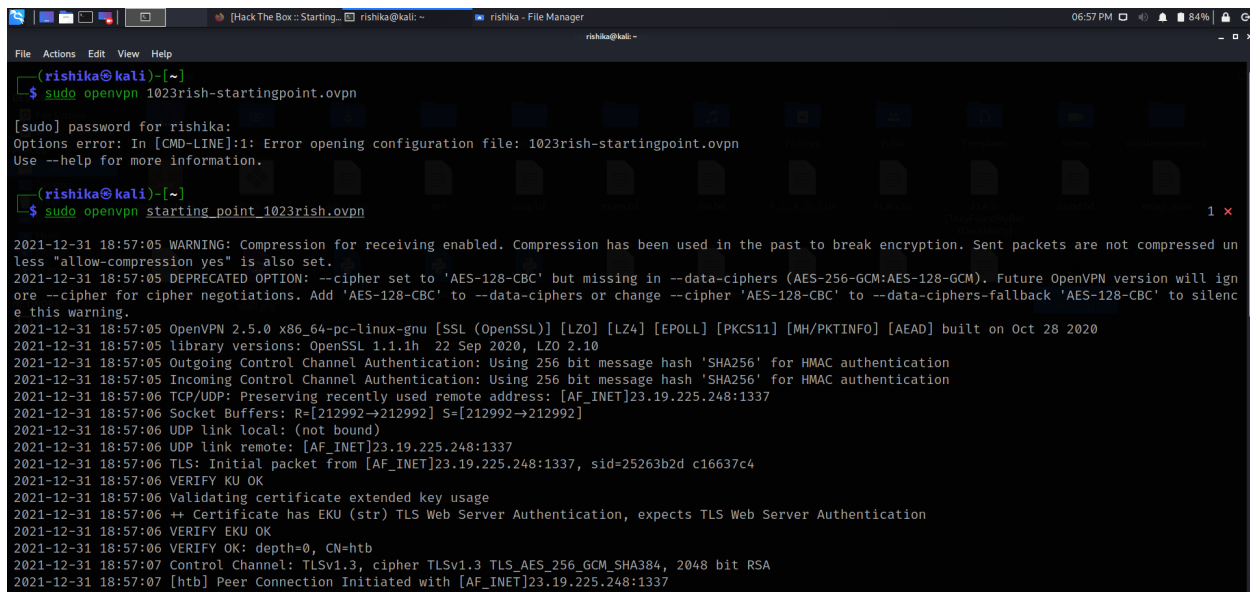


1. Meow

This is **Tier 0** basic room.

- First step: Download the vpn file connect with vpn by writing the command: `sudo openvpn filename`.



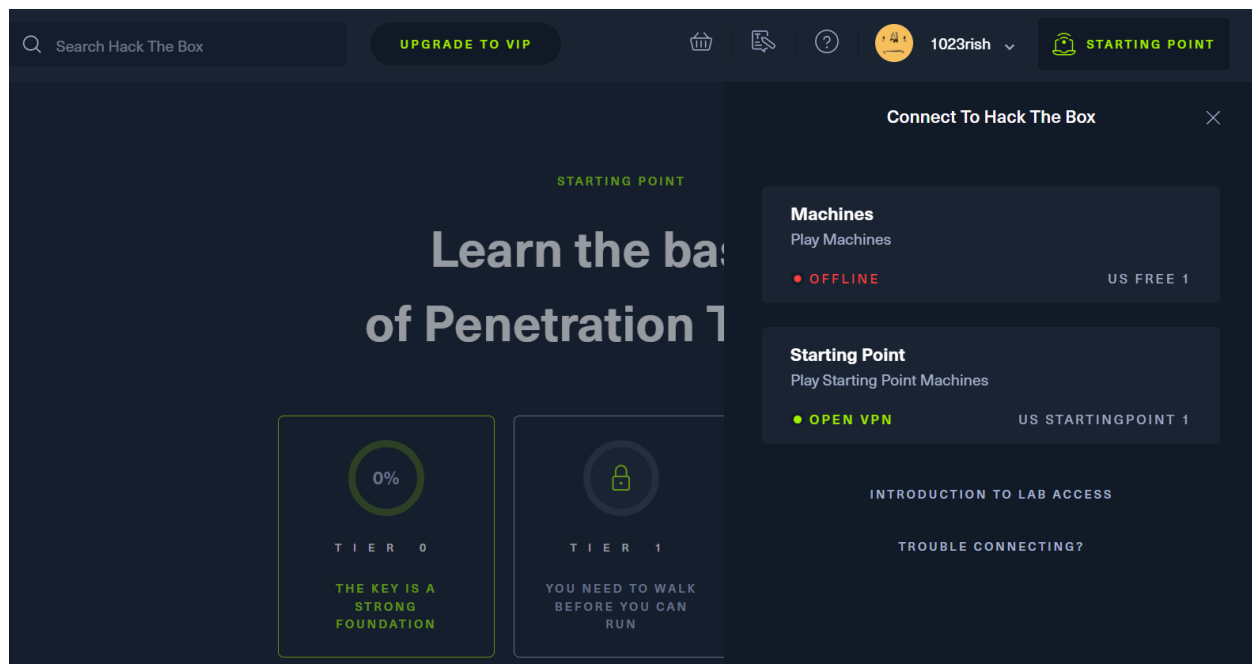
```
(rishika@kali)-[~]
$ sudo openvpn 1023rish-startingpoint.ovpn
[sudo] password for rishika:
Options error: In [CMD-LINE]:1: Error opening configuration file: 1023rish-startingpoint.ovpn
Use --help for more information.

(rishika@kali)-[~]
$ sudo openvpn starting_point_1023rish.ovpn

2021-12-31 18:57:05 WARNING: Compression for receiving enabled. Compression has been used in the past to break encryption. Sent packets are not compressed unless "allow-compression yes" is also set.
2021-12-31 18:57:05 DEPRECATED OPTION: --cipher set to 'AES-128-CBC' but missing in --data-ciphers (AES-256-GCM:AES-128-GCM). Future OpenVPN version will ignore --cipher for cipher negotiations. Add 'AES-128-CBC' to --data-ciphers or change --cipher 'AES-128-CBC' to --data-ciphers-fallback 'AES-128-CBC' to silence this warning.
2021-12-31 18:57:05 OpenVPN 2.5.0 x86_64-pc-linux-gnu [SSL (OpenSSL)] [LZO] [LZ4] [EPOLL] [PKCS11] [MH/PTINFO] [AEAD] built on Oct 28 2020
2021-12-31 18:57:05 library versions: OpenSSL 1.1.1h 22 Sep 2020, LZO 2.10
2021-12-31 18:57:05 Outgoing Control Channel Authentication: Using 256 bit message hash 'SHA256' for HMAC authentication
2021-12-31 18:57:05 Incoming Control Channel Authentication: Using 256 bit message hash 'SHA256' for HMAC authentication
2021-12-31 18:57:06 TCP/UDP: Preserving recently used remote address: [AF_INET]23.19.225.248:1337
2021-12-31 18:57:06 Socket Buffers: R=[212992→212992] S=[212992→212992]
2021-12-31 18:57:06 UDP link local: (not bound)
2021-12-31 18:57:06 UDP link remote: [AF_INET]23.19.225.248:1337
2021-12-31 18:57:06 TLS: Initial packet from [AF_INET]23.19.225.248:1337, sid=25263b2d c16637c4
2021-12-31 18:57:06 VERIFY KU OK
2021-12-31 18:57:06 Validating certificate extended key usage
2021-12-31 18:57:06 ++ Certificate has EKU (str) TLS Web Server Authentication, expects TLS Web Server Authentication
2021-12-31 18:57:06 VERIFY ECU OK
2021-12-31 18:57:06 VERIFY OK: depth=0, CN=htb
2021-12-31 18:57:07 Control Channel: TLSv1.3, cipher TLSv1.3 TLS_AES_256_GCM_SHA384, 2048 bit RSA
2021-12-31 18:57:07 [htb] Peer Connection Initiated with [AF_INET]23.19.225.248:1337
```

If it is connected successfully, then the last line would show “Initialization Sequence Completed”.

Recheck the connection on HTB website-



Starting Point will turn green.

- Click on spawn machine and wait for 2 minutes. Then **TARGET MACHINE IP ADDRESS** will appear.
- ▼ What does the acronym VM stand for?
Virtual Machine
- ▼ What tool do we use to interact with the operating system in order to start our VPN connection?
Terminal
- ▼ What service do we use to form our VPN connection?
openvpn
- ▼ What is the abbreviated name for a tunnel interface in the output of your VPN boot-up sequence output?
tun

▼ What tool do we use to test our connection to the target?

ping

▼ What is the name of the tool we use to scan the target's ports?

nmap

▼ What service do we identify on port 23/tcp during our scans?

telnet

▼ What username ultimately works with the remote management login prompt for the target?

root

▼ Submit root flag

```
Last login: Mon Sep  6 15:15:23 UTC 2021 from 10.10.14.18 on pts/0
root@Meow:~# root

Command 'root' not found, but can be installed with:

snap install root-framework

root@Meow:~# whoami
root
root@Meow:~# ls
flag.txt  snap
root@Meow:~# cat flag.txt
```