

# HackTheBox: WhatIsIt?

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**Abstract**—Today, we try to pawn the machine with the moniker Redeemer.

**Index Terms**—programming, cybersecurity, security, pentesting

```
4) "stor"
10.129.223.3:6379>
```

## REFERENCES

- [1] B. B. Khomtchouk, "Codon usage bias levels predict taxonomic identity and genetic composition," bioRxiv, 01-Jan-2020. <https://doi.org/10.1101/2020.10.26.356295>.

## I. INTRODUCTION

Redeemer is located at IPv4 10.129.223.3. Which we can access through the HackTheBox OpenVPN gateway. We achieve this by simply running this command in a shell:

```
sudo openvpn starting_point_{user}.ovpn
```

*I will now switch to root shell.*

Once we are on the VPN, we can check if we have access to the machine at 10.129.223.3:

```
root@ghost:~# ping 10.129.223.3
PING 10.129.223.3 (10.129.223.3) 56(84) bytes of data.
 64 bytes from 10.129.223.3: icmp_seq=1 ttl=63 time=34.8 ms
 64 bytes from 10.129.223.3: icmp_seq=2 ttl=63 time=34.5 ms
 64 bytes from 10.129.223.3: icmp_seq=3 ttl=63 time=34.5 ms
 64 bytes from 10.129.223.3: icmp_seq=4 ttl=63 time=34.5 ms
^C
--- 10.129.223.3 ping statistics ---
 4 packets transmitted, 4 received, 0% packet loss, time 3005ms
 rtt min/avg/max/mdev = 34.464/34.553/34.769/0.125 ms
```

We wait for four consecutive packets that have been successfully transmitted to hit CTRL+C. Now we scan all the ports using nmap:

```
root@ghost:~# nmap -p- 10.129.223.3
Starting Nmap 7.94 ( https://nmap.org ) at 2023-09-07 13:51 CDT
Nmap scan report for 10.129.223.3
Host is up (0.043s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT      STATE SERVICE
6379/tcp  open  redis
```

Nmap done: 1 IP address (1 host up) scanned in 24.97 seconds

When using nmap, we can specify nmap to scan ALL ports using "-p-" this will ensure we do not miss a port. As by default, nmap only scans the top 1000 ports.

```
PORT      STATE SERVICE
6379/tcp  open  redis
```

Okay, now that we have found port 6379, and see that redis is being run a service on that port, we can do some googling to see what we can find.

After some googling, we find that redis is a type of NoSQL database, which can be accessed via the command-line using "redis-cli".

```
root@ghost:~# redis-cli -h 10.129.223.3 -p 6379
10.129.223.3:6379> keys *
1) "flag"
2) "numb"
3) "temp"
```