W16D1 - Pratica (1)

DATA

Cybersecurity Analyst

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Cyber Security & Ethical Hacking Giorno 2 – Esercizio

Exploit Telnet con Metasploit

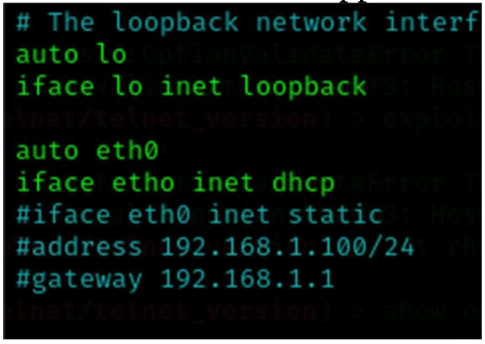
Traccia:

Sulla base dell’esercizio visto in lezione teorica, utilizzare Kali per sfruttare la vulnerabilità relativa a Telnet con il modulo auxiliary telnet_version sulla macchina Metasploitable.

Requisito: Seguire gli step visti in lezione teorica. Prima, configurate l’IP della vostra Kali con 192.168.1.25 e l’IP della vostra Metasploitable con 192.168.1.40

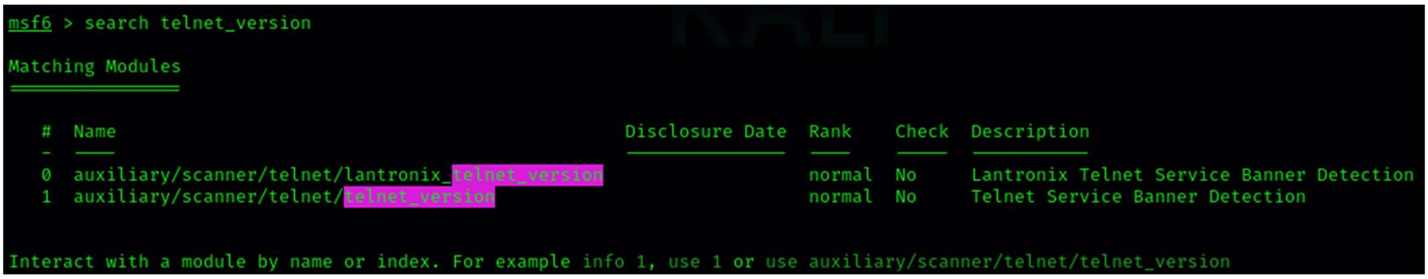
Apaprte il cambio indirizzi ip che no né stato fatto ma con un semplice
Ifconfig eth0 down
Ifconfig eth0 192.168.1.25
Ifconfig eth0 up

Oppure cambiando la configurazione del file /etc/network/interfaces
Inserendo un nuovo il oppire commentando il dhcp e mettendo static con l’ip richiesto.

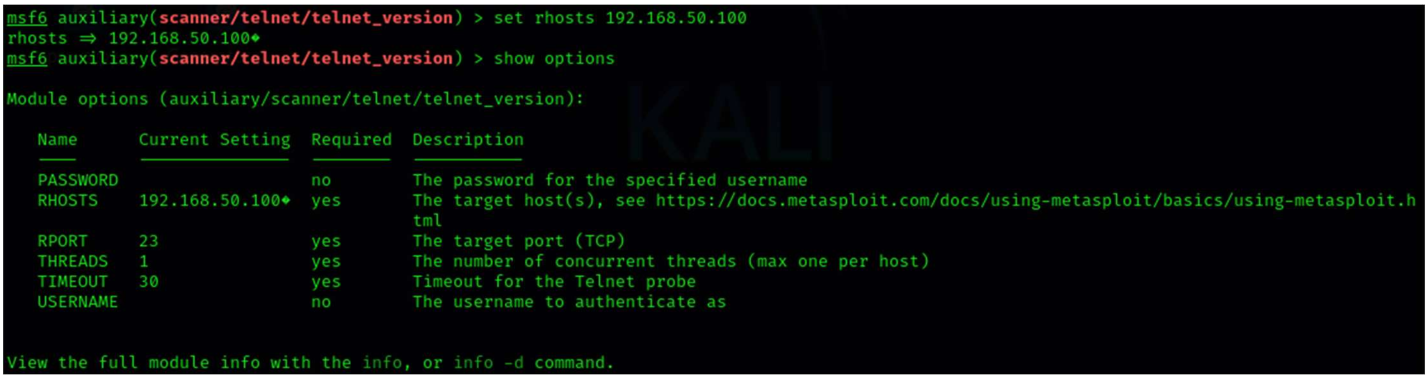


```
# The loopback network interf
auto lo
iface lo inet loopback

auto eth0
iface etho inet dhcp
#iface eth0 inet static
#address 192.168.1.100/24
#gateway 192.168.1.1
```

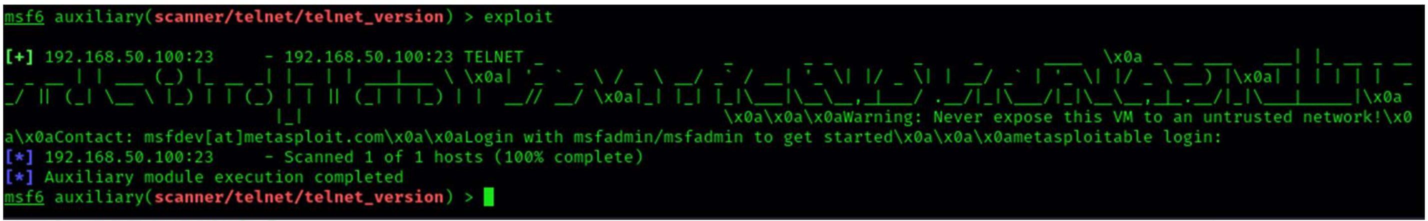
La stessa cosa andava fatta nella macchina metasploit.



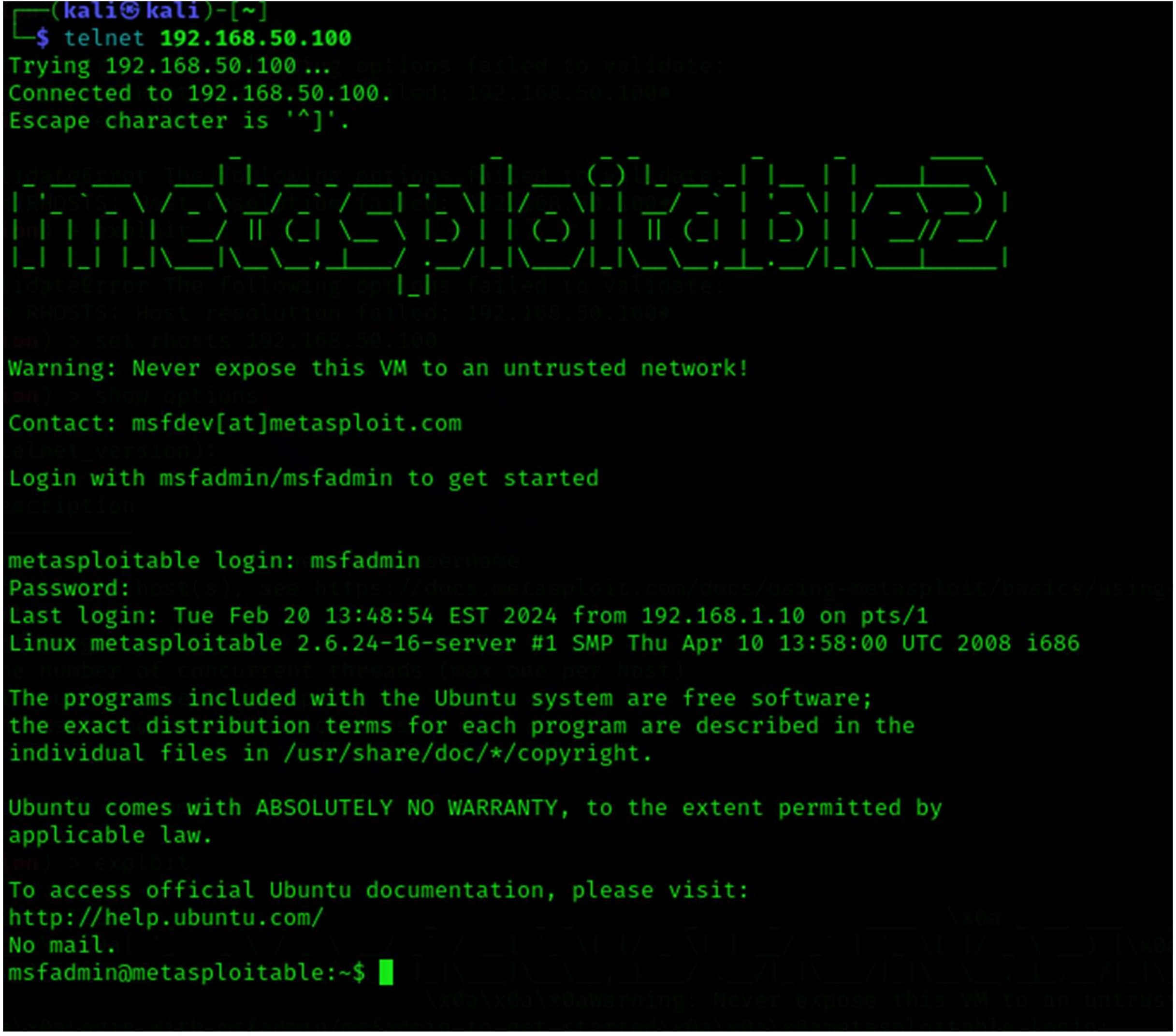
```
msf6 > search telnet_version

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

   #  Name                                           Disclosure Date  Rank    Check  Description
   -  ----                                           ---------------  ----    -----  -----------
   0  auxiliary/scanner/telnet/lantronix_telnet_version                normal  No     Lantronix Telnet Service Banner Detection
   1  auxiliary/scanner/telnet/telnet_version                          normal  No     Telnet Service Banner Detection


Interact with a module by name or index. For example info 1, use 1 or use auxiliary/scanner/telnet/telnet_version
```



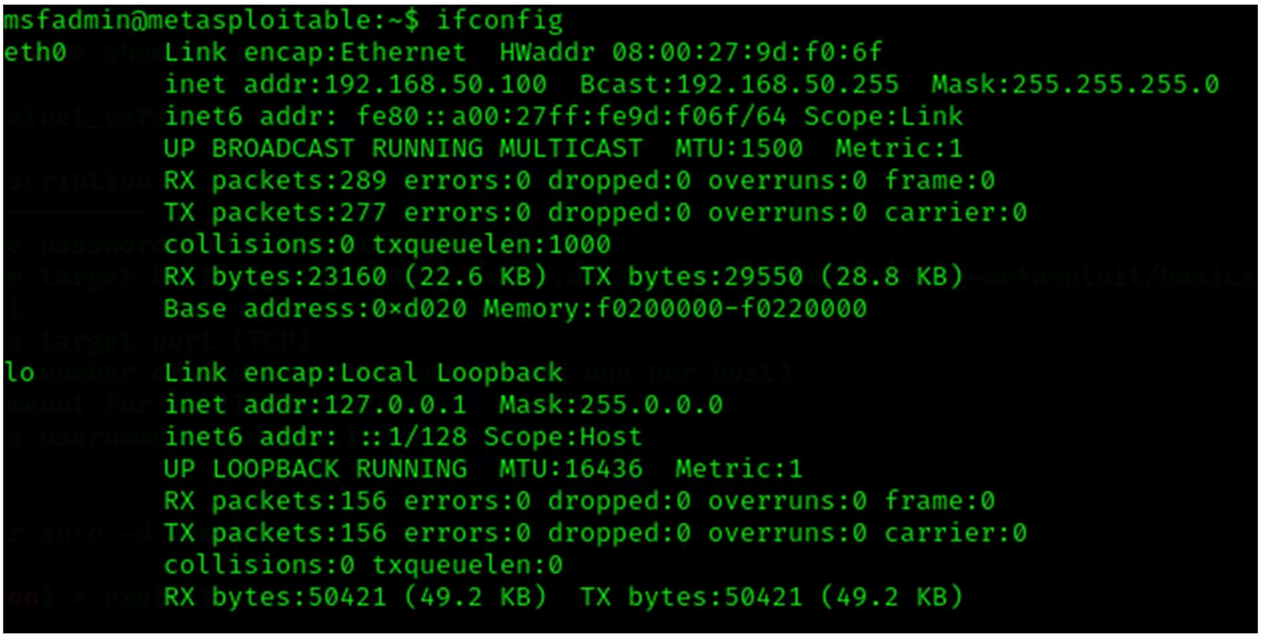
```
msf6 auxiliary(scanner/telnet/telnet_version) > set rhosts 192.168.50.100
rhosts => 192.168.50.100◆
msf6 auxiliary(scanner/telnet/telnet_version) > show options

Module options (auxiliary/scanner/telnet/telnet_version):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   PASSWORD                   no        The password for the specified username
   RHOSTS    192.168.50.100◆  yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.h
                                        tml
   RPORT     23               yes       The target port (TCP)
   THREADS   1                yes       The number of concurrent threads (max one per host)
   TIMEOUT   30               yes       Timeout for the Telnet probe
   USERNAME                   no        The username to authenticate as


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



```
msf6 auxiliary(scanner/telnet/telnet_version) > exploit

[+] 192.168.50.100:23     - 192.168.50.100:23 TELNET _                  _                _ _        _     _        ____  \x0a _ __ ___   ___| |_ __ _
_ _ __ | | ___ (_) |_ __ _| |__ | | ___|___ \ \x0a| '_ ` _ \ / _ \ __/ _` / __| '_ \| |/ _ \| | __/ _` | '_ \| |/ _ \ __) |\x0a| | | | | |  _
_/ || (_| \__ \ |_) | | (_) | | || (_| | |_) | |  __// __/ \x0a|_| |_| |_|\___|\__\__,_|___/ .__/|_|\___/|_|\__\__,_|_.__/|_|\___|_____|\x0a
                            |_|                                          \x0a\x0a\x0aWarning: Never expose this VM to an untrusted network!\x0
a\x0aContact: msfdev[at]metasploit.com\x0a\x0aLogin with msfadmin/msfadmin to get started\x0a\x0a\x0ametasploitable login:
[*] 192.168.50.100:23     - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/telnet/telnet_version) >
```



```
┌──(kali㉿kali)-[~]
└─$ telnet 192.168.50.100
Trying 192.168.50.100...
Connected to 192.168.50.100.
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 Feb 20 13:48:54 EST 2024 from 192.168.1.10 on pts/1
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

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:~$
```



```
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:9d:f0:6f
          inet addr:192.168.50.100  Bcast:192.168.50.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe9d:f06f/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:289 errors:0 dropped:0 overruns:0 frame:0
          TX packets:277 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:23160 (22.6 KB)  TX bytes:29550 (28.8 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:156 errors:0 dropped:0 overruns:0 frame:0
          TX packets:156 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:50421 (49.2 KB)  TX bytes:50421 (49.2 KB)
```

Cybersecurity Analyst 2023