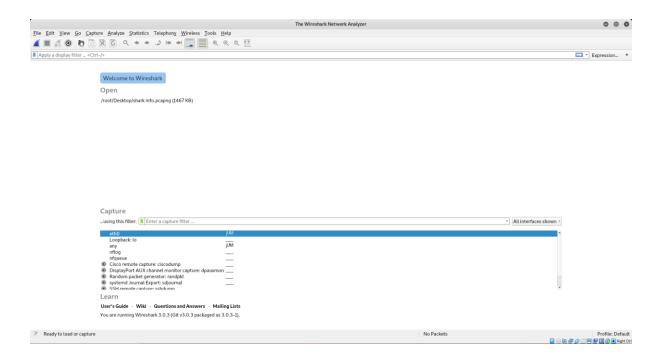
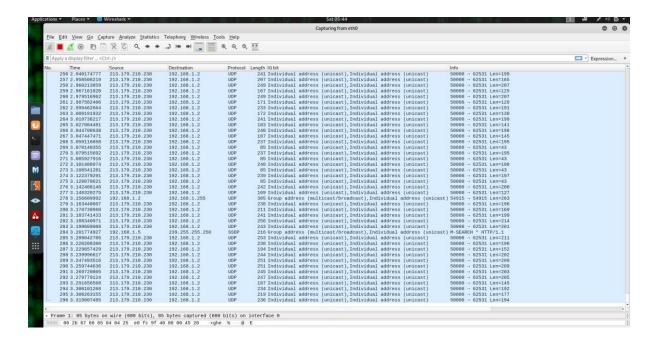
CYBER SECURITY OUTSTANDING PROJECTS

1. Use wireshark to see traffic, in terms of source/destination IP address/ports, is going through your computer. Mention and document the traffic using snapshots that you see when all applications are closed, except background applications, in tabular form.

First download and install wireshark in ur PC
Im using Kali Linux and I have installed wireshark



Now start and run Wireshark and Scan using it



Even though all the background operations are closed there are many open ports going through the interface

Now we save and tabulate all the Traffic in the device with their port address.

As there is more data in it I have attached it in the name of "ipv4.txt and ipv6.txt".

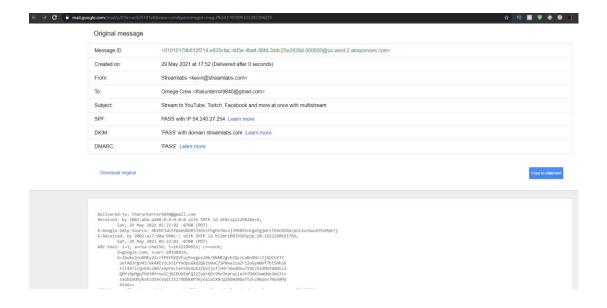
2. Use google apps toolbox to review email headers

This method is used to find hackers who are relaying their messages through multiple server to make them untraceable.

Im am going to take a example mail from streamlabs.com to demonstrate this process.

Stream to YouTube, Twitch, Facebook and more at once with multistream Streamlabs - Reving streamlabs. Com- Unsudescale 17.52 (I hour ago) to me - 17.52 (I h

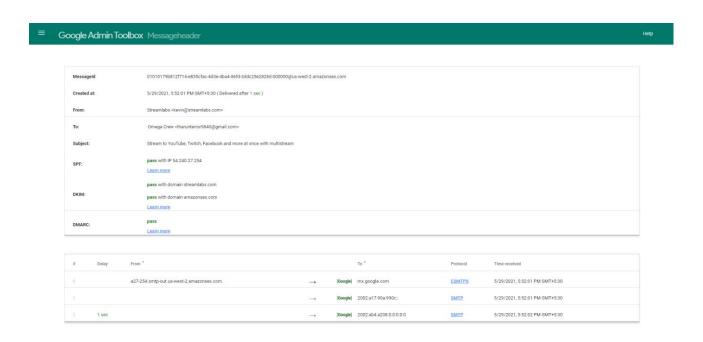
Now right click on the mail settings and click "show orginal".



Now copy the email header and paste it in

https://toolbox.googleapps.com/apps/messageheader/

From this we can analyse the email routes and redirections and also the client and recipient .



3. Download "Nessus Professional" software tool (A Port Scanner) from the

link https://www.tenable.com/ and install in your system. You can

sign-in for a free trail and down load for your laptop or desktop OS

compatible version. Install in your computer and use the configuration

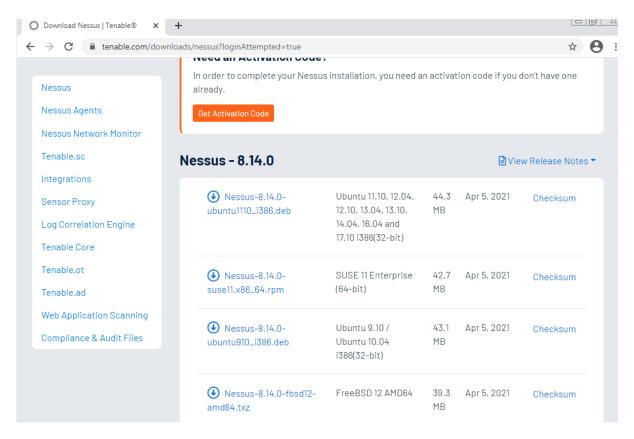
user guide and configure:

- a. Use Nessus tool and scan your entire OS and identify what are all the ports that are open.
- b. List at least 10 applications and the corresponding ports used by

them.

c. List the Network Protocol that each of the applications uses.

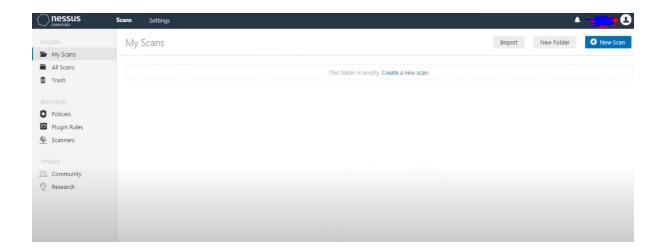
First register your details in www.tenable.com and download the setup



After installing the software will auto direct to a local host port where the software will further download and install

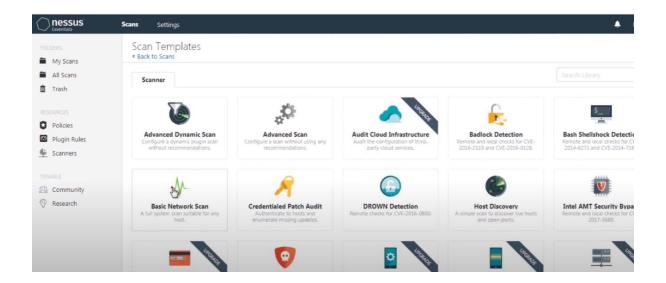


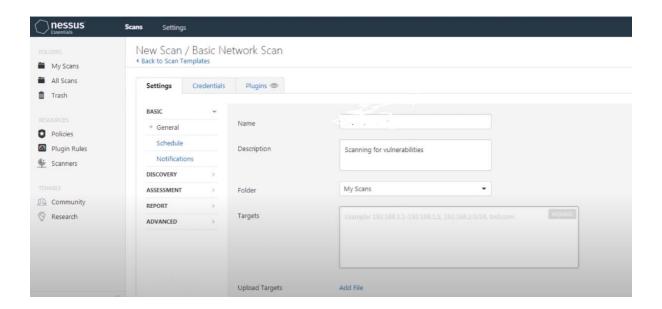
After installing this Nessus scan page will open where we can see all our scans



Now I am going to scan the network using basic scan to get the details of the currently running applications with their ports.

Some of the open ports which are available for listening are 4720, 1144, 8812, 4 and so on





Now I fill my info and the target is my ip address as I am going to scan my own pc.

After this can I can get all the vulnerabilities and the applications which are running in my computer

Some of the applications are :

Application	<u>port</u>	network protocol
Windows	53	TCP,UDP
Discord	443	TCP
Spotify	4070	TCP
Steam	80	TCP
Steampow.	443	HTTPS
Chrome	9100	TCP,HTTPS
Microsoft365	3478	TCP
Ubisoft store	6667	UDP
Nvidia	35043	TCP
Qbittorrent	49172	TCP
OracleVM	7002	TCP