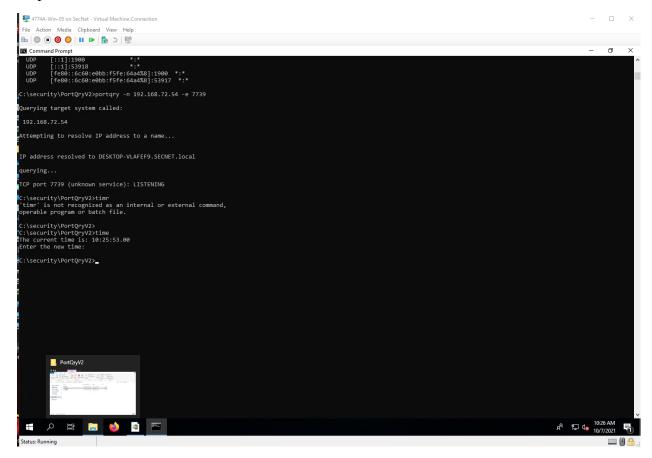
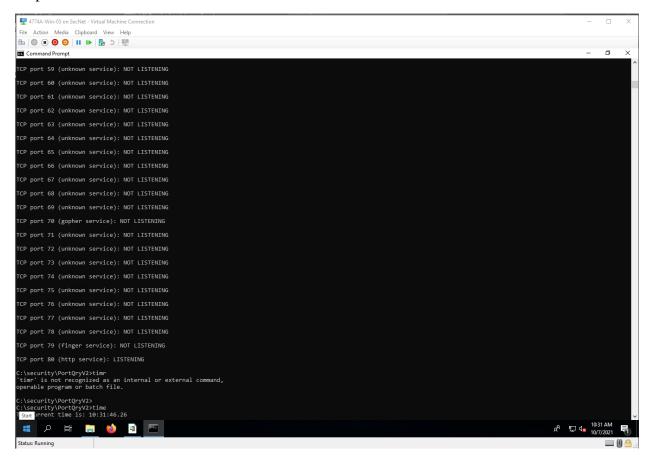
Jamel Douglas JED18C Lab 5 – Keylogger and Spyware 9/30/2021

1 Portqry

Screenshots





Project Questions

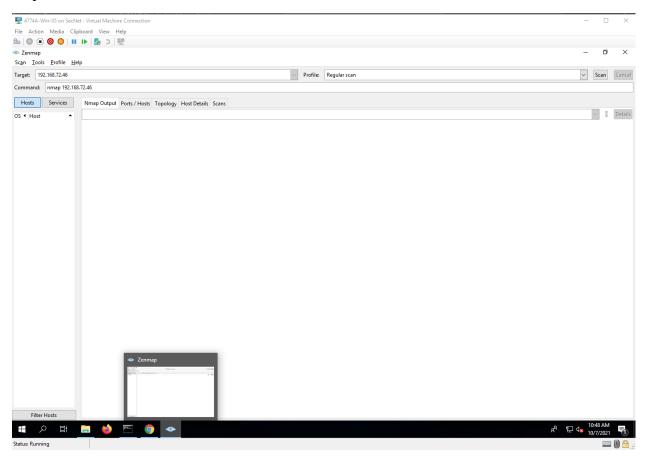
- 1. My IP address is 192.168.72.54.
- 2. When I ran the "netstat -a", approximately 40 ports were designated as listening.
- 3. Only port 80 was open when I scanned ports 1 through 80.
- 4. I was unaware of how many listening ports of generally open on a computer. Ports like 7739 and 5357

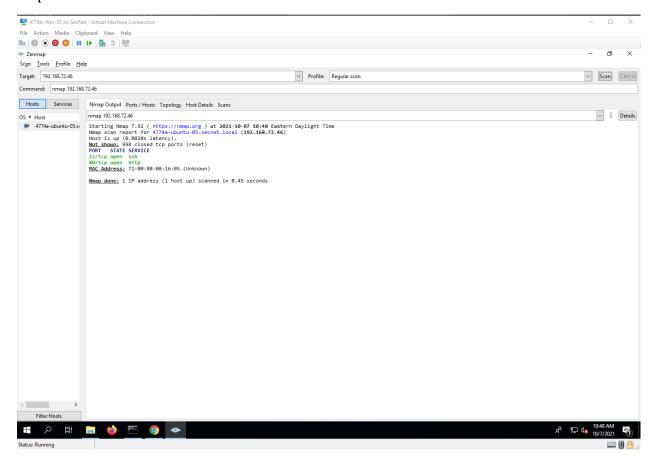
Thought Questions

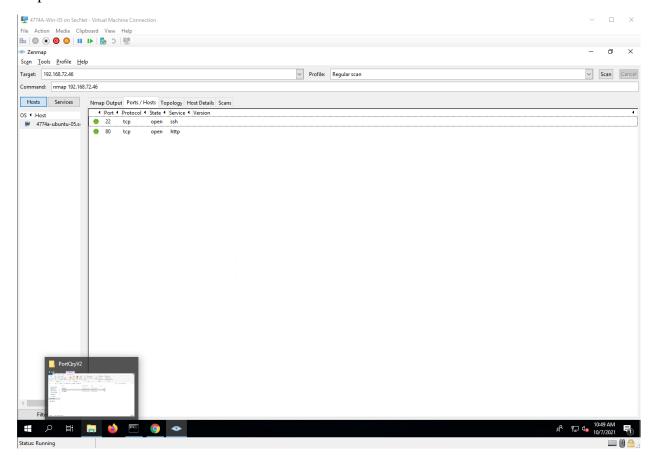
- 1. There can be up to 65535 ports on a computer. Obviously, not all of these are used.
- 2. Any program that needs to connect or receive connections from others use a port. A port can only be used by one service at one time.
- 3. Yes, hackers do use ports to spread malware. Open ports are open access points to a machine.
- 4. To close ports that may already be open, you would have to disable the service that uses that port.

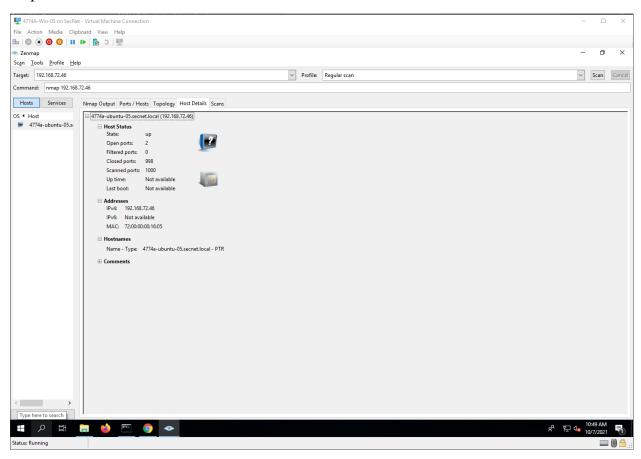
2 NMAP (ZENMAP)

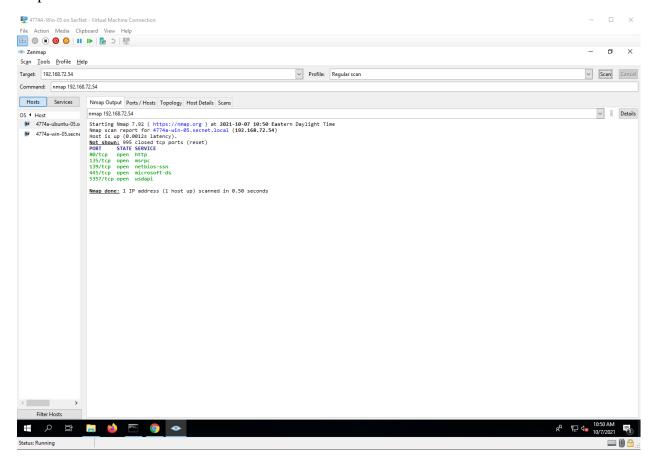
Screenshots











Project Questions

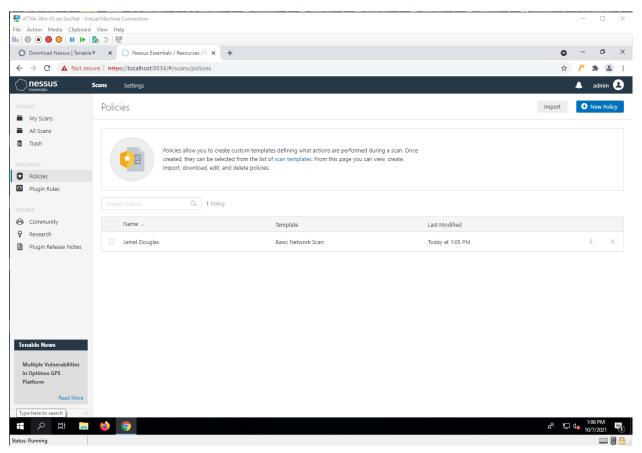
- 1. The first IP address that I used was 192.168.72.46
- 2. The second IP address that I used was 192.168.72.54.
- 3. The first machine had 2 ports open. The second machine had 5 ports open.
- 4. The first scan took less than 1 second to complete

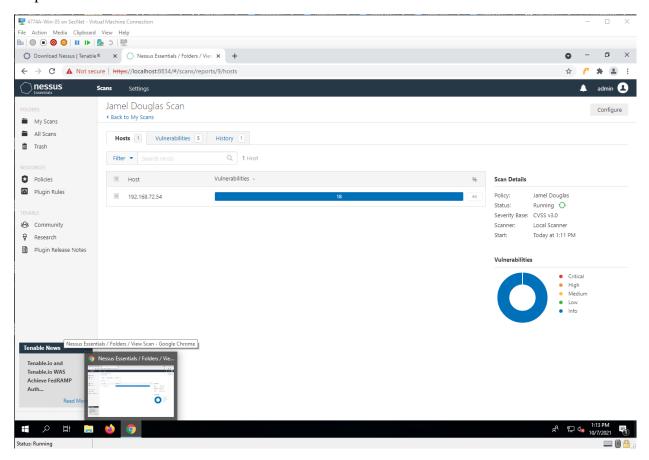
Thought Questions

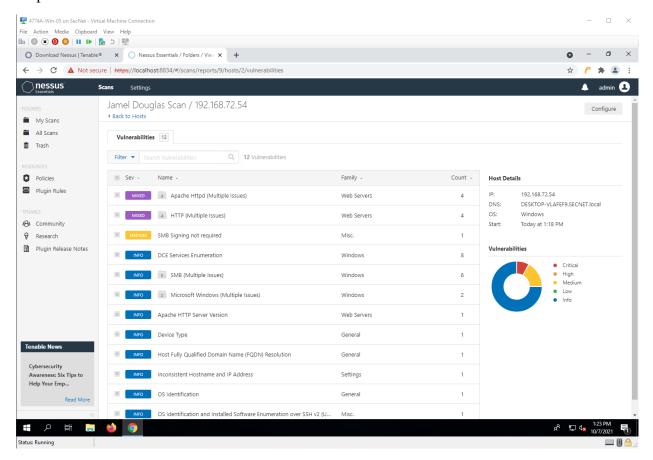
- 1. A regular scan just looks to see if a port is open. An intense scan looks to see what service is open that port and a little more info about the service.
- 2. Sometimes NMAP won't be able to get the necessary information to determine the type of operating system.
- 3. Some ports will show up because certain ports are used for certain services. For example, port 80 is typically used for webservers.
- 4. I'm not sure if there is a way to protect against port scans. The only way to be safe about it is to make sure only the necessary ports are open

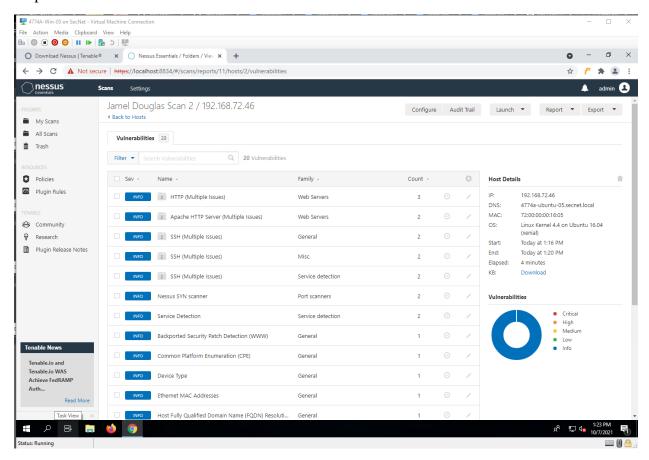
4 Nessus

Screenshots









Project Questions

- 1. I had 2 critical results and 2 high-risk results. These are vulnerabilities from Apache versions 2.4.49 and before.
- 2. I had 2 medium risk results. One was for HTTP Trace/Track Methods and the other was for SMB signing not required.
- 3. The other IP addresses that I scanned was 192.168.72.46
- 4. No, I didn't find any high-risk weaknesses. Only information warnings.

Thought Questions

- 1. Yeah, running the scan was pretty easy. I was able to see what some of the vulnerabilities are, so that I can do some more research on them.
- 2. Tenable, the company that owns and maintains Nessus, is responsible for creating the plugins that are used with Nessus
- 3. There is an average of 50 vulnerabilities reported each day in 2020.
- 4. Everything is prone to a vulnerability if it is not kept up to date with modern security standards. It is said that Linux machines are less vulnerable to attacks, but I am not personally sure of that.