Day 4 – Assignment

Question 1: Find out the mail servers of the following domain:

- 1. Ibm.com
- 2. Wipro.com

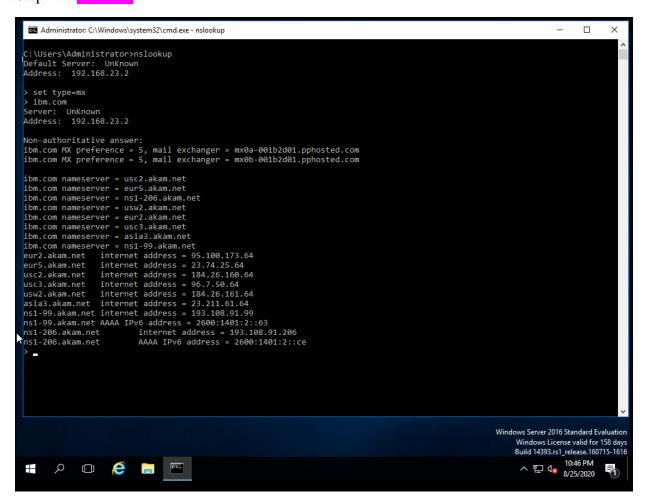
Solution:

Step 1: Open command prompt (press 'home(windows)+r' then type 'cmd' and press enter).

Step 2: Type "nslookup"

Step 3: > "set type=mx"

Step 4: > ibm.com

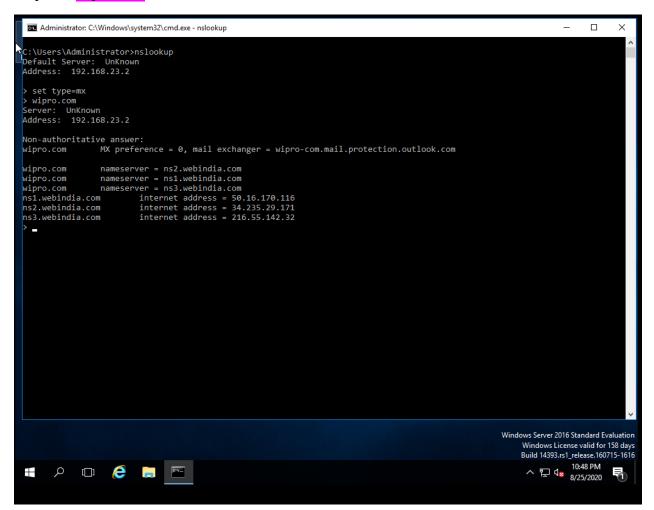


Step 1: Open command prompt (press 'home(windows)+r' then type 'cmd' and press enter).

Step 2: Type "nslookup"

Step 3: > "set type=mx"

Step 4: > wipro.com



Question 2: Find the locations, where these email servers are hosted.

Solution:

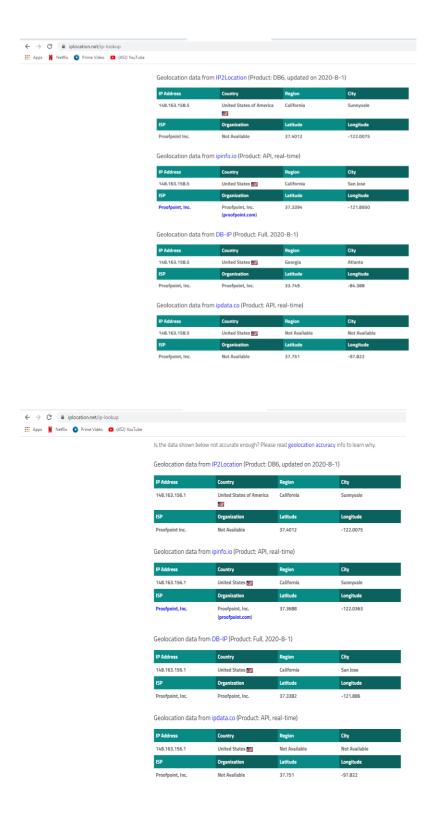
Step 1: Ping the mail servers of ibm.com and wipro.com which I got from above and noted down the IP Address of each:

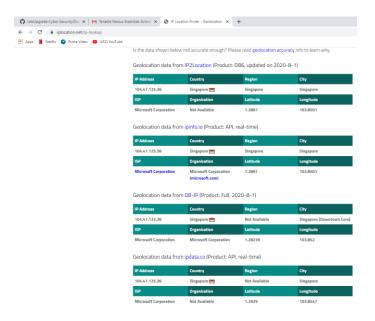
```
C:\pping mx0b-001b2d01.pphosted.com
Pinging mx0b-001b2d01.pphosted.com [148.163.158.5] with 32 bytes of data:
Reply from 148.163.158.5: bytes=32 time=214ms TTL=239
Ping statistics for 148.163.158.5:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 214ms, Maximum = 214ms, Average = 214ms
C:\pping mx0a-001b2d01.pphosted.com
Pinging mx0a-001b2d01.pphosted.com [148.163.156.1] with 32 bytes of data:
Reply from 148.163.156.1: bytes=32 time=255ms TTL=240
Reply from 148.163.1
```

Mail Servers	IP Address
mx0b-001b2d01.pphosted.com	148.163.158.5
mx0a-001b2d01.pphosted.com:-	148.163.156.1
wipro-com.mail.protection.outlook.com	104.47.125.36

Step 2 : Use the acquired IP Address to find the locations of the mails servers using https://www.iplocation.net/





Question 3: Scan and find out port numbers open in 203.163.246.23:

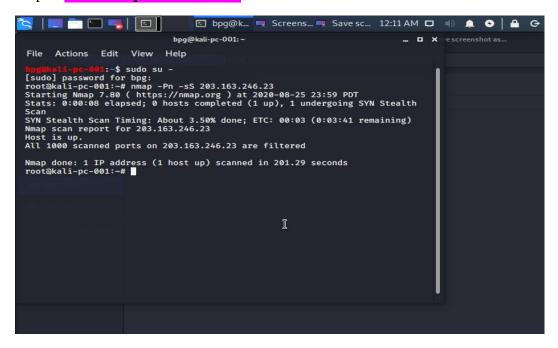
Solution:

Step 1: Turn up the kali machine:-

Step 2: Open Terminal

Step 3: Use nmap -sS -Pn -A 203.163.246.23

Step 4: Found all ports as filtered



Question 4:- Install nessus in a VM and scan your laptop/desktop for CVE.

Solution:

Steps to create a CVE:

- 1. Download NESSUS from https://www.tenable.com/products/nessus
- 2. Log in to your Nessus machine: https://localhost:8834/
- 3. Click on Scans > Select New Scan > Choose Advanced Scan template.
- 4. Make sure the advanced setting Auto Enable Plugin Dependencies and Silent Plugin Dependencies are enabled.
- 5. Go to Basic Tab, then Click On General
- 6. Give your report a Name and Target IP (of your system)
- 7. Go to Credentials Tab Click on Windows and Enter your Username & Password.

The CVE Advanced Scan Report:

