

# Assignment: Day 4

## Question 1:

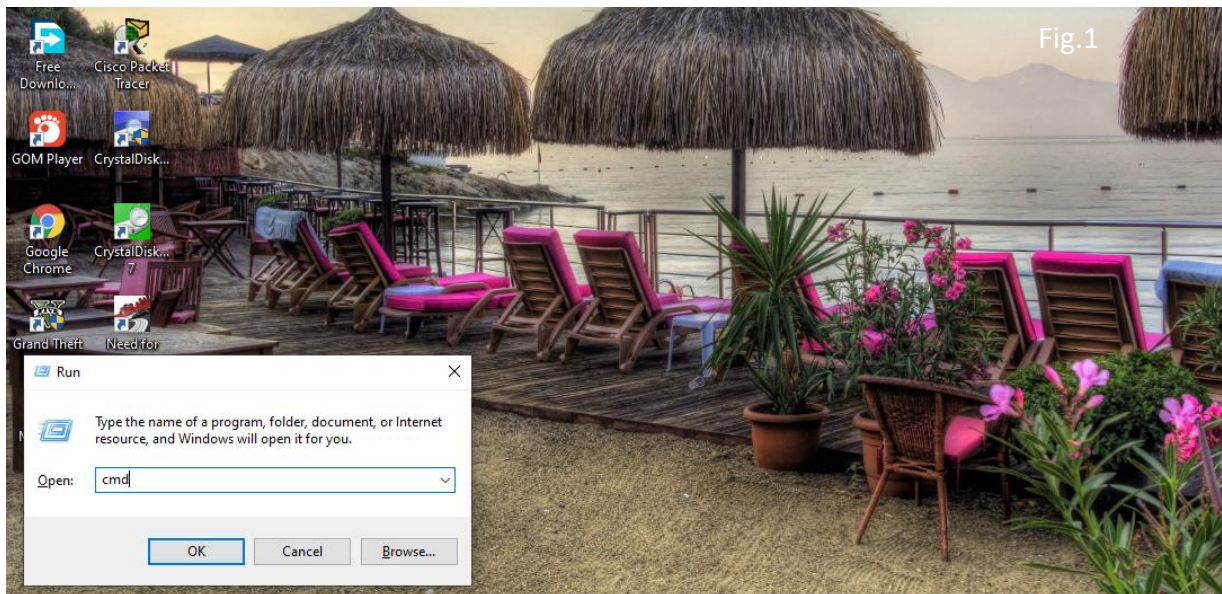
Find out the mail servers of the following domain:

www.lbm.com

www.Wipro.com

## Answer:

Step1: open **Run** by pressing **windows key + R** (fig.1)



Step2: type **cmd** to open **command prompt** (fig.1)

Step3: type **nslookup** command (fig.2)

Step4: now type **set type=mx** it shows mail xchanger (fig.2)

Step5: type the **domain (ibm.com)** (fig.2)

```
C:\Windows\system32\cmd.exe - nslookup
Microsoft Windows [Version 10.0.18362.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\jay>nslookup
Default Server: UnKnown
Address: 192.168.43.1

> set type=mx
> ibm.com
Server: UnKnown
Address: 192.168.43.1

Non-authoritative answer:
ibm.com MX preference = 5, mail exchanger = mx0a-001b2d01.pphosted.com
ibm.com MX preference = 5, mail exchanger = mx0b-001b2d01.pphosted.com
>
>
> exit

C:\Users\jay>nslookup
Default Server: UnKnown
Address: 192.168.43.1

> set type=mx
> wipro.com
Server: UnKnown
Address: 192.168.43.1

Non-authoritative answer:
wipro.com MX preference = 0, mail exchanger = wipro-com.mail.protection.outlook.com

wipro.com nameserver = ns3.webindia.com
wipro.com nameserver = ns2.webindia.com
wipro.com nameserver = ns1.webindia.com
> _
```

Question2:

Find the location, where these email servers are hosted.

Answer:

{
   
 Step1:
   
 Step2:
   
 Step3:
 }
 same steps of question 1

Step4: type **set type=mx**

Step5: type **ibm.com**

```
C:\Users\jay>nslookup
Default Server: UnKnown
Address: 192.168.43.1

> set type=mx
> ibm.com
Server: UnKnown
Address: 192.168.43.1

Non-authoritative answer:
ibm.com MX preference = 5, mail exchanger = mx0a-001b2d01.pphosted.com
ibm.com MX preference = 5, mail exchanger = mx0b-001b2d01.pphosted.com
>
```

Step6: Open **google chrome**

Step7: **search** for **IP Location Finder**

Step8: Copy **mail xchanger** and **paste it in find the location**

## Address 1:

The screenshot shows a web browser window with the URL `tools.keycdn.com/geo?host=+mx0a-001b2d01.pphosted.com`. The page is titled "IP Location Finder" and has a sidebar with navigation links: Web, Network (selected), Security, and Other. Under the Network section, there are links for IP Location Finder, DNS Checker, Ping Test, Ping IPv6 Test, Traceroute Test, and BGP Looking Glass. The main content area shows the IP address or hostname `mx0a-001b2d01.pphosted.com` entered in a search box, with a "Find" button next to it. Below the search box, the results are displayed in a table format:

LOCATION	
Country	United States (US)
Continent	North America (NA)
Coordinates	37.751 (lat) / -97.822 (long)
Time	2020-08-28 05:14:33 (America/Chicago)
NETWORK	
IP address	148.163.156.1
Hostname	mx0a-001b2d01.pphosted.com
Provider	PROOFPOINT-ASN-US-WEST
ASN	26211

On the right side of the page, there is an advertisement for Carbon, stating "Get \$100 of free cloud computing. Build and deploy your app with the industry's leading price-performance. ads via Carbon".

## Address 2:

The screenshot shows the KeyCDN IP Location Finder interface. The browser address bar displays the URL: `tools.keycdn.com/geo?host=mx0b-001b2d01.pphosted.com`. The page features a sidebar with navigation links: Web, Network (selected), Security, and Other. Under the Network section, there are links for IP Location Finder, DNS Checker, Ping Test, Ping IPv6 Test, Traceroute Test, and BGP Looking Glass. The main content area displays the IP address `mx0b-001b2d01.pphosted.com` in the search bar, with a 'Find' button. Below the search bar, the results are organized into two sections: LOCATION and NETWORK.

LOCATION	
Country	United States (US)
Continent	North America (NA)
Coordinates	37.751 (lat) / -97.822 (long)
Time	2020-08-28 04:25:43 (America/Chicago)

NETWORK	
IP address	148.163.158.5
Hostname	mx0b-001b2d01.pphosted.com
Provider	PROOFPOINT-ASN-US-EAST
ASN	22843

On the right side of the page, there is a promotional banner for Carbon, stating: 'Get \$100 of free cloud computing. Build and deploy your app with the industry's leading price-performance. ads via Carbon'.

## Question3:

Scan and find out the port number open 203.163.246.23

## Answer:

For this question we have use **nmap tool of kali Linux**

Step1: open **terminal**

Step2: type command **nmap -Pn -p1-65535 203.168.246.23**

(this command helps to find **port number of above ip address**)

: Found all **1000 ports** as **filtered** of above ip address

## Question4:

Install Nessus in a VM and scan your laptop/desktop for CVE

## Answer:

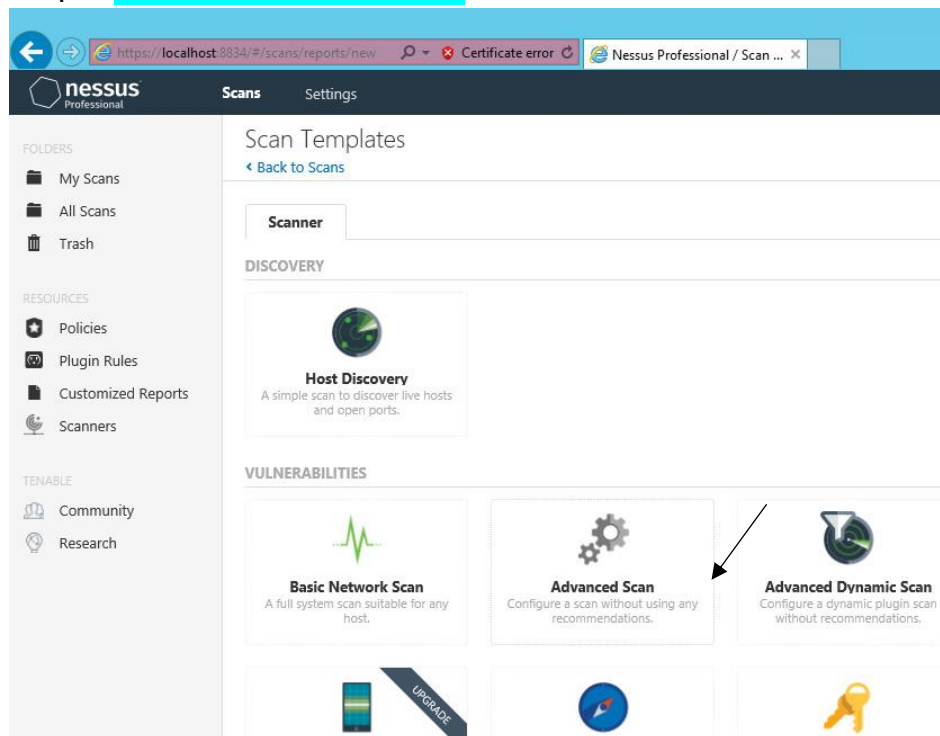
Step1: Open **PenTester** in VMware workstation

Step2: Install **Google Chrome**

Step3: Install **Nessus**

Step4: Create a new scan

Step5: **click on Advanced Scan**



Step6: on Setting tab fill the **domain and ip of the computer**

Step7: click on credentials tab and select windows

**Step8: fill the credentials** and launch

The screenshot displays the Nessus Professional web interface in a browser window. The address bar shows a URL with a certificate error. The interface includes a sidebar with navigation options like Folders, Resources, and Tenable. The main content area shows the scan history for a specific scan named 'domain-control -not update'. A table lists the scan history with columns for Start Time, Last Modified, and Status. The status is 'Completed'. A 'Scan Details' panel on the right shows fields for Policy, Status, Scanner, Start, End, and Elapsed.

domain-control -not update

[Back to My Scans](#)

Hosts 0 Vulnerabilities 0 History 1

Search History 1 History

<input type="checkbox"/>	Start Time	Last Modified	Status
<input type="checkbox"/>	Current Today at 2:56...	Today at 2:56 AM	✓ Completed

**Scan Details**

Policy:  
Status:  
Scanner:  
Start:  
End:  
Elapsed: