

DAY 4 ASSIGNMENT 1

By-Hemantkumar Shahaji Mohite

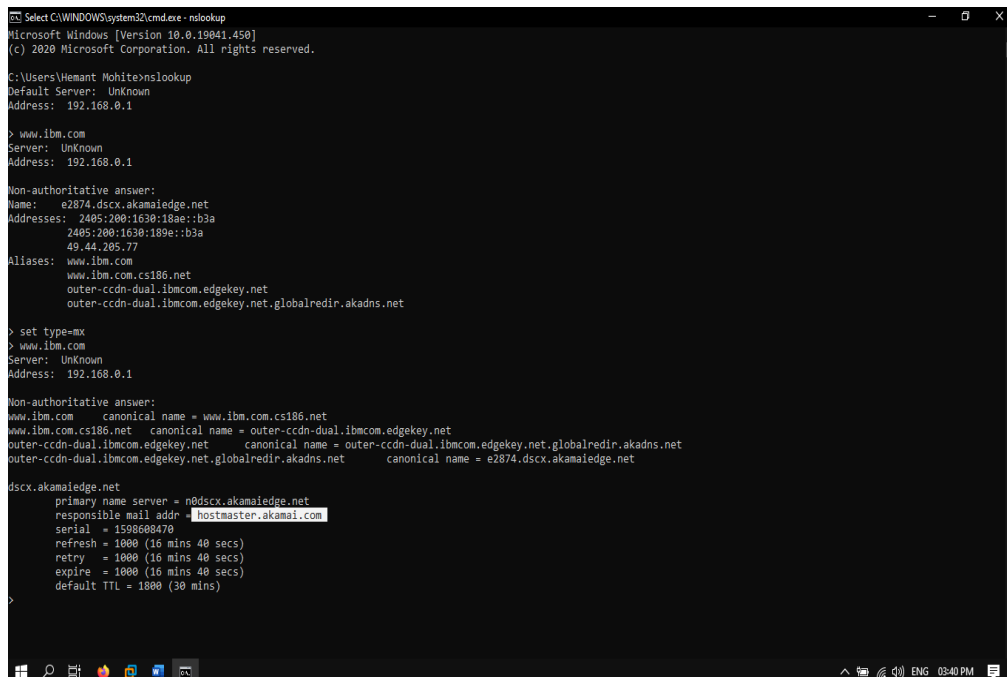
Q 1 : Find out the mail servers of the following domain :

lbn.com

Wipro.com

Solⁿ :

1. Finding out mail server of www.ibm.com
 - i. Open Command Prompt
 - ii. Enter “nslookup” command
It will show us current system ip address
 - iii. Type set type=mx and press enter
 - iv. Type www.ibm.com
 - v. It shows result as
responsible mail addr = hostmaster.akamai.com



```
Select C:\WINDOWS\system32\cmd.exe - nslookup
Microsoft Windows [Version 10.0.19041.450]
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C:\Users\Hemant Mohite>nslookup
Default Server: Unknown
Address: 192.168.0.1

> www.ibm.com
Server: Unknown
Address: 192.168.0.1

Non-authoritative answer:
Name: e2874.dscx.akamaiedge.net
Addresses: 2405:200:1630:18ae:b3a
           2405:200:1630:189e:b3a
           49.44.205.77
Aliases: www.ibm.com
          www.ibm.com.cs186.net
          outer-ccdn-dual.ibmcom.edgekey.net
          outer-ccdn-dual.ibmcom.edgekey.net.globalredir.akadns.net

> set type=mx
> www.ibm.com
Server: Unknown
Address: 192.168.0.1

Non-authoritative answer:
www.ibm.com canonical name = www.ibm.com.cs186.net
www.ibm.com.cs186.net canonical name = outer-ccdn-dual.ibmcom.edgekey.net
outer-ccdn-dual.ibmcom.edgekey.net canonical name = outer-ccdn-dual.ibmcom.edgekey.net.globalredir.akadns.net
outer-ccdn-dual.ibmcom.edgekey.net.globalredir.akadns.net canonical name = e2874.dscx.akamaiedge.net

dscx.akamaiedge.net
primary name server = n8dscx.akamaiedge.net
responsible mail addr = hostmaster.akamai.com
serial = 1590600470
refresh = 1000 (16 mins 40 secs)
retry = 1000 (16 mins 40 secs)
expire = 1000 (16 mins 40 secs)
default TTL = 1800 (30 mins)
```

2. Finding out mail server of www.wipro.com

- vi. Open Command Prompt
- vii. Enter "**nslookup**" command
It will show us current system ip address
- viii. Type **set type=mx** and press enter
- ix. Type www.wipro.com
- x. It shows result as
responsible mail addr = awsdns-hostmaster.amazon.com

```
C:\WINDOWS\system32\cmd.exe - nslookup
Microsoft Windows [Version 10.0.19041.450]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Hemant Mohite>nslookup
Default Server: UnKnown
Address: 192.168.0.1

> www.wipro.com
Server: UnKnown
Address: 192.168.0.1

Non-authoritative answer:
Name:   d361nqn33s63ex.cloudfront.net
Addresses:  2600:9000:21f6:f400:13:4f33:b240:93a1
            2600:9000:21f6:1e00:13:4f33:b240:93a1
            2600:9000:21f6:6e00:13:4f33:b240:93a1
            2600:9000:21f6:8400:13:4f33:b240:93a1
            2600:9000:21f6:8c00:13:4f33:b240:93a1
            2600:9000:21f6:be00:13:4f33:b240:93a1
            2600:9000:21f6:ce00:13:4f33:b240:93a1
            2600:9000:21f6:e800:13:4f33:b240:93a1
            13.227.165.54
            13.227.165.72
            13.227.165.111
            13.227.165.24
Aliases:  www.wipro.com

> set type=mx
> www.wipro.com
Server: UnKnown
Address: 192.168.0.1

Non-authoritative answer:
www.wipro.com canonical name = d361nqn33s63ex.cloudfront.net
d361nqn33s63ex.cloudfront.net
    primary name server = ns-1658.awsdns-15.co.uk
    responsible mail addr = awsdns-hostmaster.amazon.com
    serial = 1
    refresh = 7200 (2 hours)
    retry = 900 (15 mins)
    expire = 1209600 (14 days)
    default TTL = 86400 (1 day)
```

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

Solⁿ :

1. Finding out mail server of www.ibm.com
 - i. Go to this <http://mxlookup.online-domain-tools.com/>
 - ii. Enter www.ibm.com
 - iii. It will show target domain of mailserver and ip address
 - iv. Again go to [this link](#)

MX Lookup for ibm.com:

Target	IP	Preference value	TTL
mx0b-001b2d01.pphosted.com	148.163.158.5	5	1 hrs
mx0a-001b2d01.pphosted.com	148.163.156.1	5	1 hrs

- v. Enter in textbox as mail@ibm.com
- vi. We get information about location of mail server
- vii. We get location of Mail server from **United States**

mail@ibm.com	
Mailbox Domain	mx0b-001b2d01.pphosted.com
IP	148.163.158.5
Country	United States
City	Sunnyvale
Latitude	37.424900054932
Longitude	-122.0074005127
ISP	N/A

2. Finding out mail server of www.wipro.com
 - i. Go to this <http://mxlookup.online-domain-tools.com/>
 - ii. Enter www.wipro.com
 - iii. It will show target domain of mailserver and ip address
 - iv. Again go to [this link](#)

MX Lookup for wipro.com:

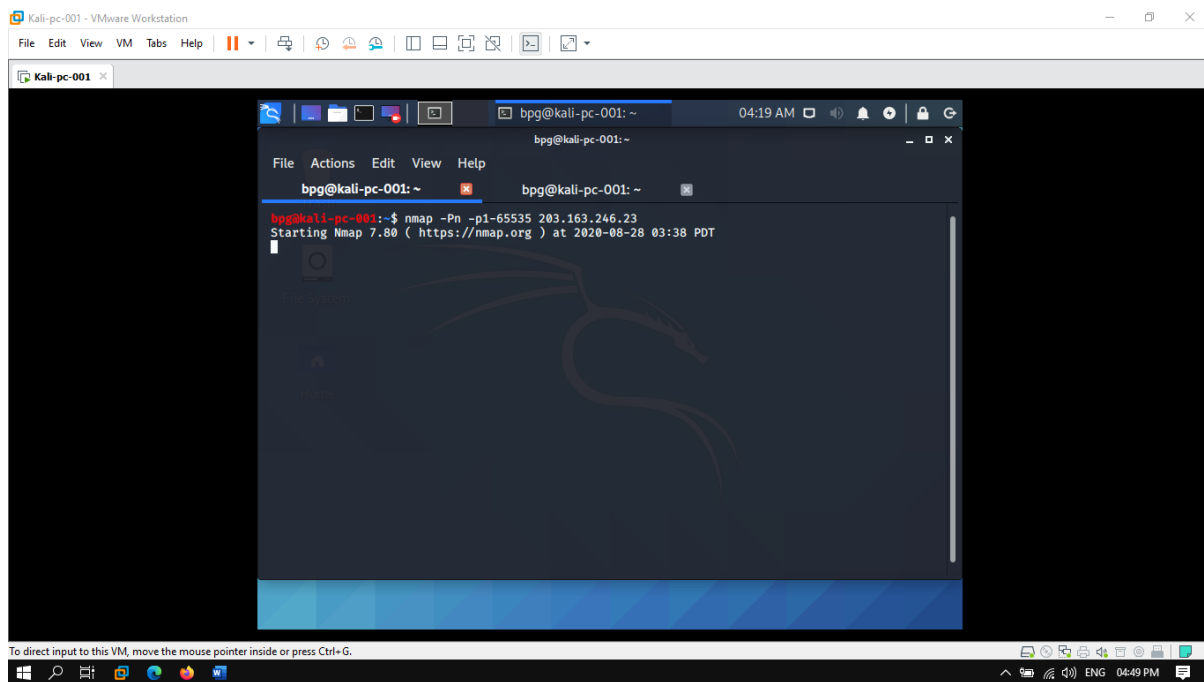
Target	IP	Preference value	TTL
wipro-com.mail.protection.outlook.com	104.47.124.36	0	31 min 3 sec

- v. Enter in textbox as mail@wipro.com
- vi. We get information about location of mail server
- vii. We get location of Mail server from **Singapore**

mail@wipro.com	
Mailbox Domain	wipro-com.mail.protection.outlook.com
IP	104.47.125.36
Country	Singapore
City	Singapore
Latitude	1.2930999994278
Longitude	103.85579681396
ISP	N/A

Q 3: Scan and find out port numbers open 203.163.246.23

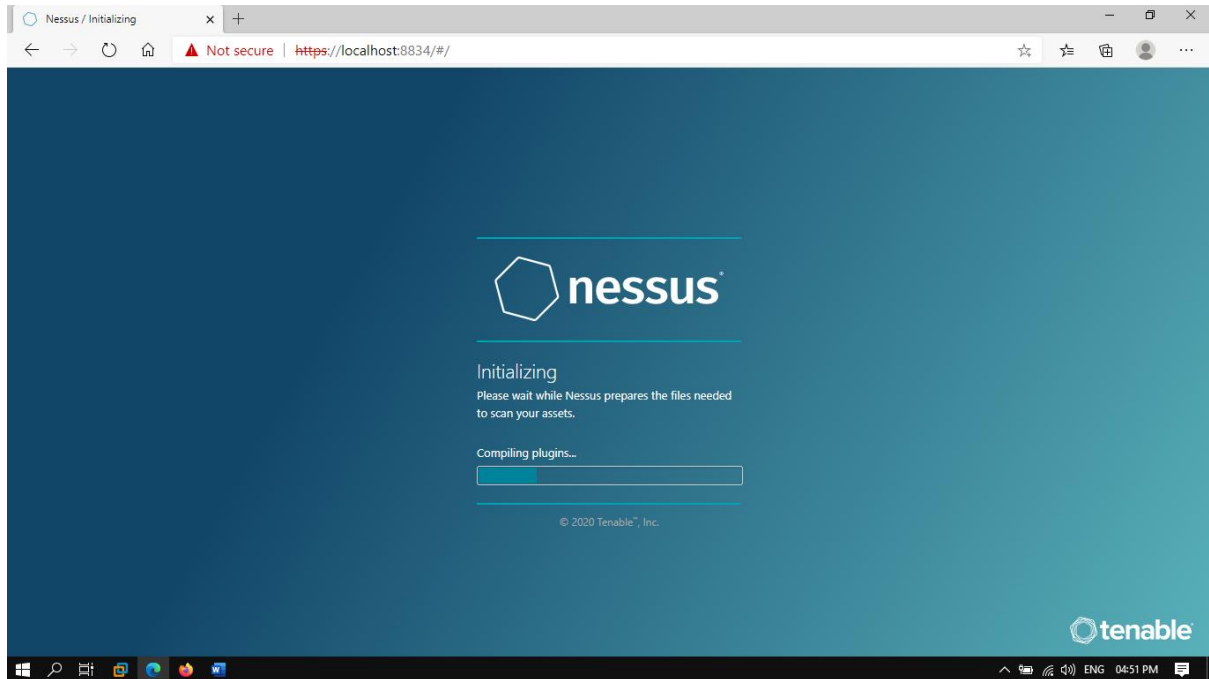
Solⁿ :



Not Completed.

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

Solⁿ :



Not Completed