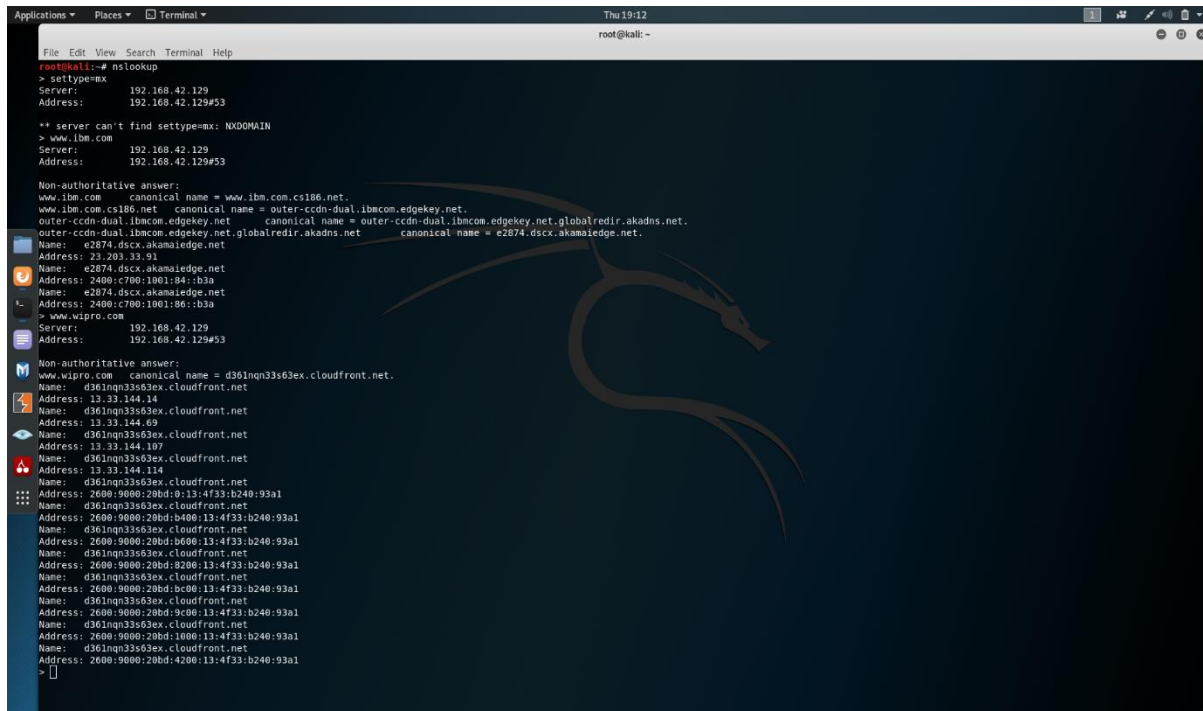


Question 1: Find out the mail servers of the following domain :

Ibm.com

Wipro.com

Ans:

A screenshot of a terminal window on a Kali Linux system. The terminal shows the output of the 'nslookup' command for two domains: 'www.ibm.com' and 'www.wipro.com'. For 'www.ibm.com', it lists several authoritative nameservers including 'www.ibm.com.cs186.net', 'www.ibm.com.cs186.net', 'outer-ccdn-dual.ibmcom.edgekey.net', 'outer-ccdn-dual.ibmcom.edgekey.net.globalredir.akadns.net', and 'e2874.dscx.akamaiedge.net'. For 'www.wipro.com', it lists 'www.wipro.com' and 'd361nqn33s63ex.cloudfront.net'. The terminal also shows the IP addresses for these servers. The background of the terminal window features a Kali Linux dragon logo.

```
root@kali:~# nslookup
> settype=mx
Server:      192.168.42.129
Address:     192.168.42.129#53

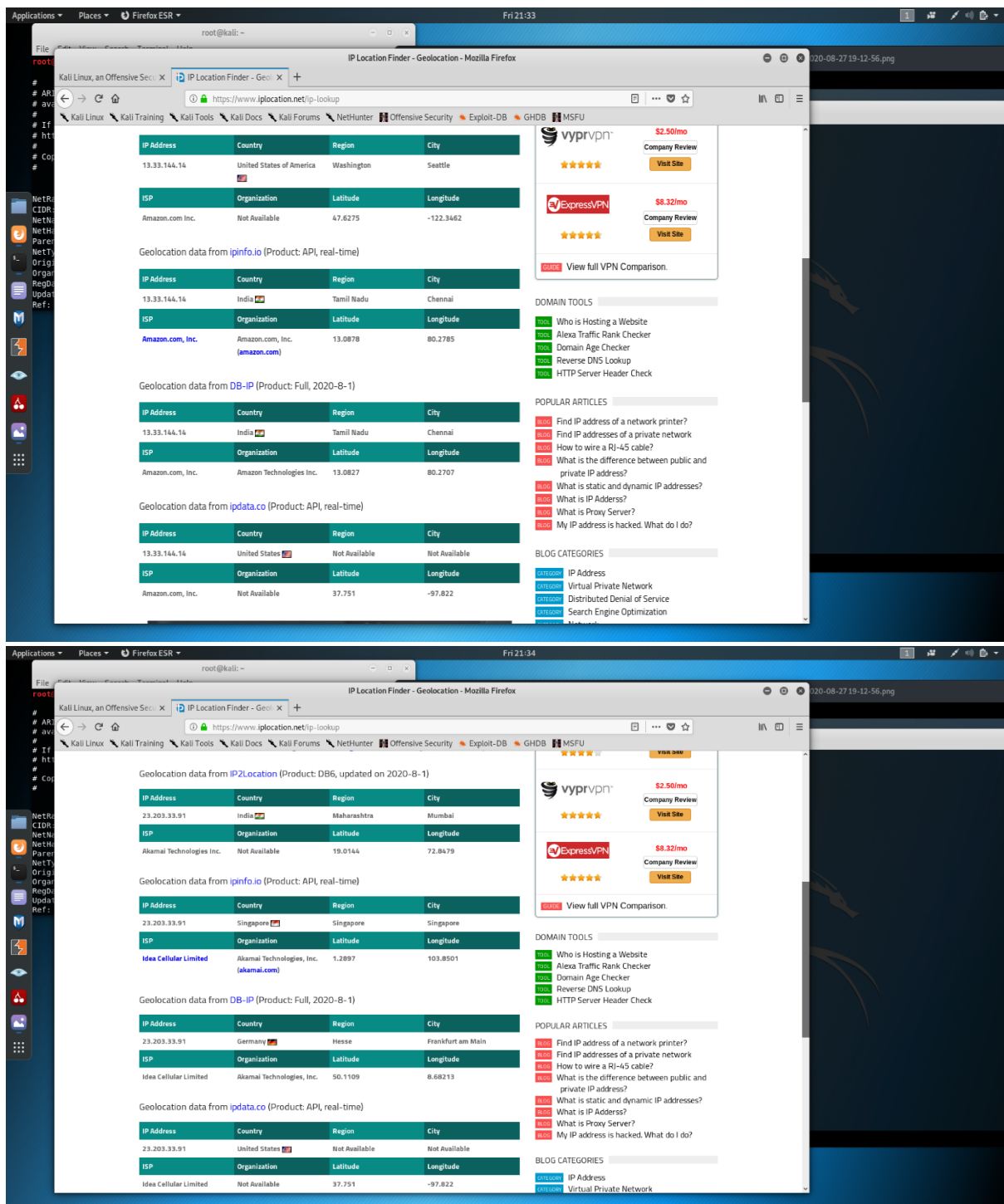
** server can't find settype=mx: NXDOMAIN
> www.ibm.com
Server:      192.168.42.129
Address:     192.168.42.129#53

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.
Name:       e2874.dscx.akamaiedge.net
Address:    23.203.33.91
Name:       e2874.dscx.akamaiedge.net
Address:    2400:c700:1001:84::b3a
Name:       e2874.dscx.akamaiedge.net
Address:    2400:c700:1001:80::b3a
> www.wipro.com
Server:      192.168.42.129
Address:     192.168.42.129#53

Non-authoritative answer:
www.wipro.com canonical name = d361nqn33s63ex.cloudfront.net.
Name:       d361nqn33s63ex.cloudfront.net
Address:    13.33.144.14
Name:       d361nqn33s63ex.cloudfront.net
Address:    13.33.144.49
Name:       d361nqn33s63ex.cloudfront.net
Address:    13.33.144.107
Name:       d361nqn33s63ex.cloudfront.net
Address:    13.33.144.114
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:9:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:b608:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:b400:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:8200:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:bc08:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:9c00:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:1008:13:4f33:b240:93a1
Name:       d361nqn33s63ex.cloudfront.net
Address:    2600:9000:20bd:4200:13:4f33:b240:93a1
>
```

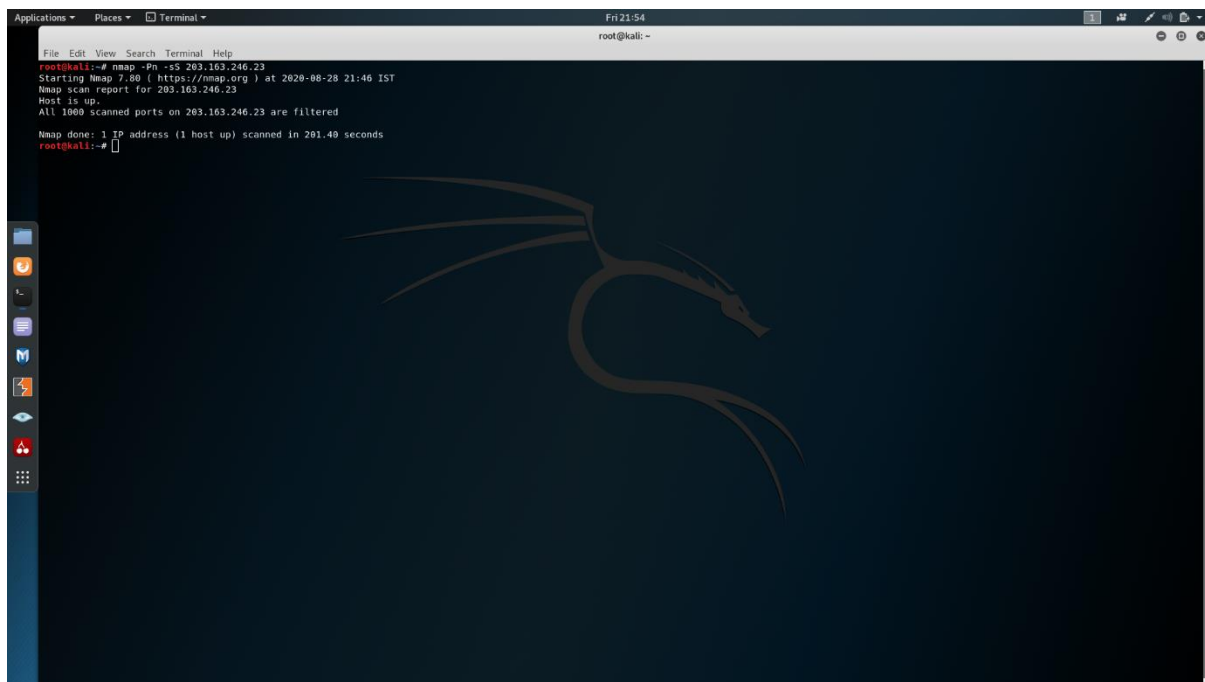
Question 2: Find the locations, where these email servers are hosted

Answer



Question 3: Scan and find out port numbers open  
203.163.246.23

Ans



Here all the ports are filtered so we cannot get the open ports using nmap

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

Ans:

