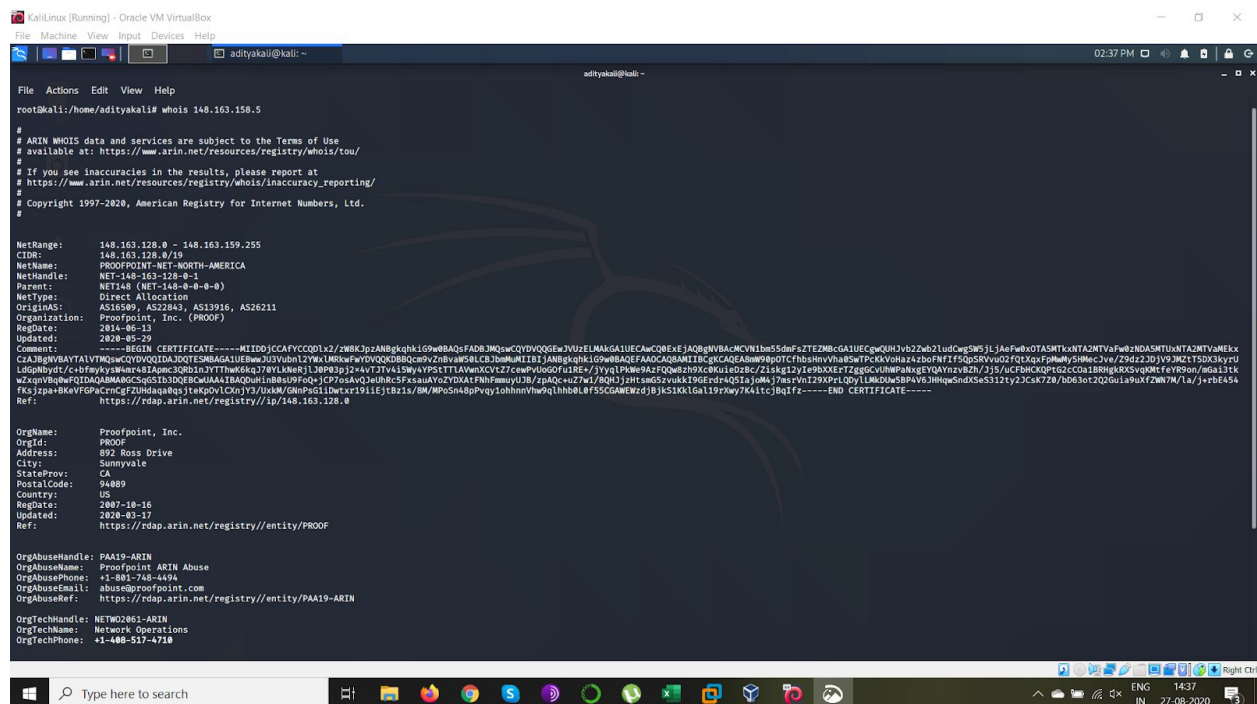


Q1) and Q2) Mail servers and locations for ibm.com



Mail servers and locations of wipro.com

```
KaliLinux (Running) - Oracle VM VirtualBox
File Machine View Input Devices Help
adityakali@kali: ~
02:40 PM

File Actions Edit View Help
root@kali:/home/adityakali# whois 104.47.126.36

#
# ARIN WHOIS data and services are subject to the Terms of Use
# available at: https://www.arin.net/resources/registry/whois/tou/
#
# If you see inaccuracies in the results, please report at
# https://www.arin.net/resources/registry/whois/inaccuracy_reporting/
#
# Copyright 1997-2020, American Registry for Internet Numbers, Ltd.
#

NetRange: 104.40.0.0 - 104.47.255.255
CIDR: 104.40.0.0/13
NetName: MSFT
NetHandle: NET-104-40-0-0-1
Parent: NET104 (NET-104-0-0-0-0)
NetType: Direct Assignment
OriginAS:
Organization: Microsoft Corporation (MSFT)
RegDate: 2014-05-07
Updated: 2014-05-07
Ref: https://rdap.arin.net/registry/ip/104.40.0.0

OrgName: Microsoft Corporation
OrgId: MSFT
Address: One Microsoft Way
City: Redmond
StateProv: WA
PostalCode: 98072
Country: US
RegDate: 1998-07-10
Updated: 2017-01-28
Comment: To report suspected security issues specific to traffic emanating from Microsoft online services, including the distribution of malicious content or other illicit or illegal material through a Microsoft online service, please submit reports to:
Comment: * https://cert.microsoft.com.
Comment:
Comment: For SPAM and other abuse issues, such as Microsoft Accounts, please contact:
Comment: * abuse@microsoft.com.
Comment:
Comment: To report security vulnerabilities in Microsoft products and services, please contact:
Comment: * secure@microsoft.com.
Comment:
Comment: For legal and law enforcement-related requests, please contact:
Comment: * msndcc@microsoft.com.
Comment:
Comment: For routing, peering or DNS issues, please contact:
Comment: * IOC@microsoft.com
```

Q3) Open ports for 203.163.246.23

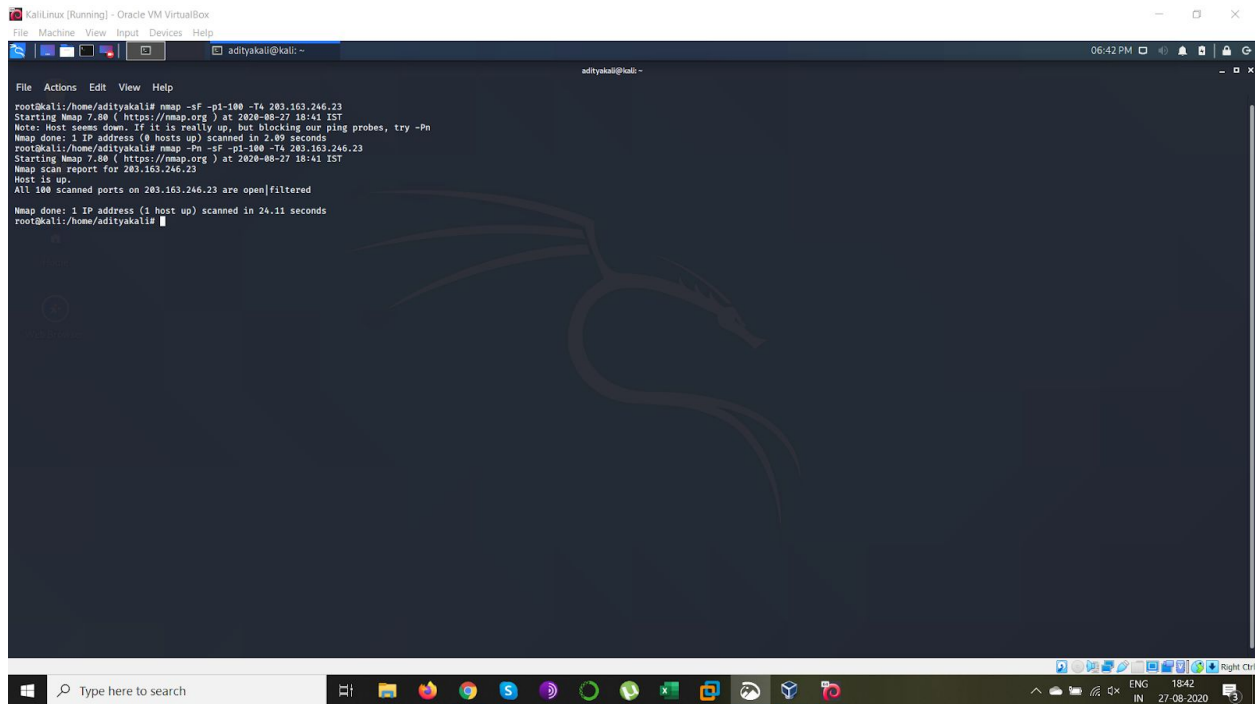
Test for nmap command

```
KaliLinux (Running) - Oracle VM VirtualBox
File Machine View Input Devices Help
adityakali@kali: ~
02:30 PM

File Actions Edit View Help
root@kali:/home/adityakali# nmap scanme.nmap.org
Starting Nmap 7.80 ( https://nmap.org ) at 2020-08-27 14:29 IST
Nmap scan report for scanme.nmap.org (45.33.32.156)
Host is up (0.27s latency).
Other addresses for scanme.nmap.org (not scanned): 2600:3c01::f03c:91ff:fe18:bb2f
Not shown: 995 closed ports
PORT      STATE SERVICE
22/tcp    open  ssh
80/tcp    open  http
1720/tcp  filtered h323q931
9929/tcp  open  nping-echo
31337/tcp  open  Elite

Nmap done: 1 IP address (1 host up) scanned in 24.56 seconds
root@kali:/home/adityakali#
```

Scanned open ports for 203.163.246.23 using -Pn to pass the firewall, but the result is showing all the possible ports are filtered. I tried to use all possible commands.



```
KaliLinux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
adityakali@kali:~$ root@kali:/home/adityakali# nmap -sf -pi-100 -T4 203.163.246.23
Starting Nmap 7.80 ( https://nmap.org ) at 2020-08-27 18:41 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 2.89 seconds
root@kali:/home/adityakali# nmap -Pn -sf -pi-100 -T4 203.163.246.23
Starting Nmap 7.80 ( https://nmap.org ) at 2020-08-27 18:41 IST
Nmap scan report for 203.163.246.23
Host is up.
All 100 scanned ports on 203.163.246.23 are open|filtered
Nmap done: 1 IP address (1 host up) scanned in 24.11 seconds
root@kali:/home/adityakali#
```

Q4) Install Nessus in VM and scan for vulnerabilities

I am not able to access Pen Tester due to VMWare problems and get Nessus pro because I don't have a business mail. So I installed Nessus Essentials in my Kali and scanned my Kali system. The scan results are below.

