Cyber Security Essential

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Assignment Day-4

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

: Ibm.com

: Wipro.com

Answers

1.Ibm.com

2. Wipro.com

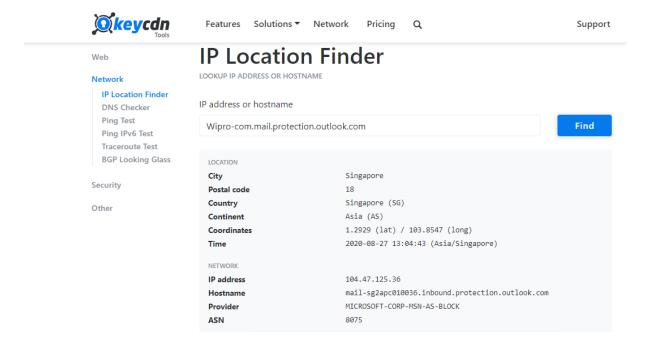
Question 2: Find the locations, where these email servers are hosted.

Answers

1. Ibm.com



2.Wipro.com



Question 3: Scan and find out port numbers open 203.163.246.23

Answers

Scan and find out port numbers open 203.163.246.23

Open Kali-pc
Right click on the screen and
Open Terminal

Type:

sudo su -

Enter password

Enter - nmap -Pn -sS

203.163.246.23

```
bpg@kali-pc-001:~/Desktop$

File Actions Edit View Help

bpgakali-pc-001:~/Desktop$ sudo su -
[sudo] password for bpg:
root@kali-pc-001:~# nmap -Pn -sS 203.163.246.23
Starting Nmap 7.80 ( https://nmap.org ) at 2020-08-26 05:12 PDT
Stats: 0:02:21 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth
Scan
SYN Stealth Scan Timing: About 63.00% done; ETC: 05:15 (0:01:15 remaining)
Nmap scan report for 203.163.246.23
Host is up.
All 1000 scanned ports on 203.163.246.23 are filtered

Nmap done: 1 IP address (1 host up) scanned in 215.64 seconds
root@kali-pc-001:~#
```

As it is coming filtered due to firewall protection we try some other ways of breaking the firewall

Enter: -sS -v -v -Pn

203.163.246.23

For me it is still coming filtered so I'll further use the following command

Enter: nmap -6 203.163.246.23

Again it is coming filtered for me so I'll further use the following command

Enter: nmap -p 22,25,135 -Pn -v -b 203.163.246.23

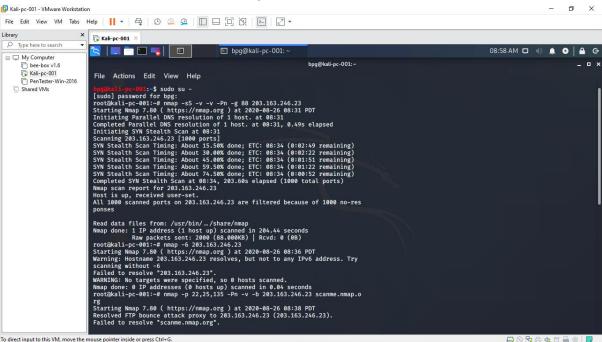
-V -D 203.163.246.23

scanme.nmap.org

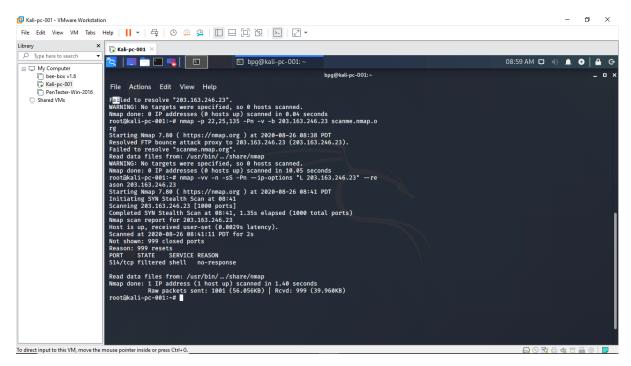
Again it is coming filtered for me so I'll further use the following command

Enter: nmap -vv -n -s5 -Pn -ip-options "L 203.163.246.23 "
--reason 203.163.246.23

Now I get only on



e port open a



s shown below

So out of the 1000 ports in the given ip address I get only 1 port open which is 514/tcp

Hence I conclude that only one port is open from the scanned port

Question4: Install Nessus in a VM and scan your laptop/desktop for CVE

Answer

Steps to Download

Steps1-open our browser

Steps2-now search for Nessus

Stesp3-click on download & wait

for the download complete

Step4-after completion of

download now open Nessus

& start scanning your

desktop/laptop

