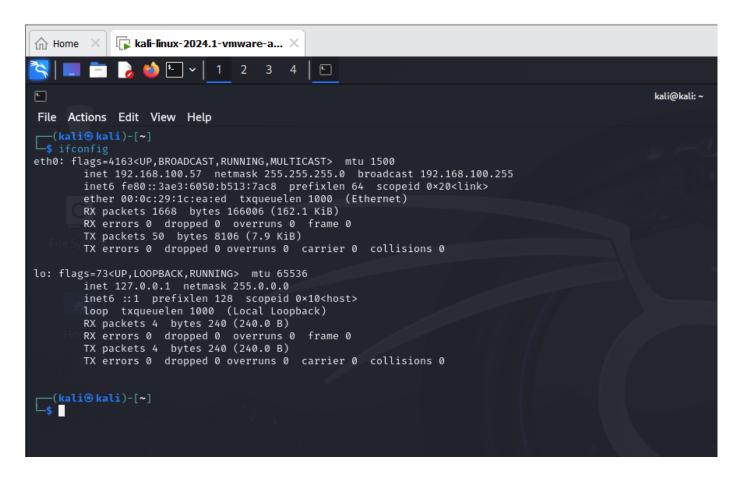
Check Point Networking 2.0

• First step you will use the following tools to identify the different IP address of the kali linux, windows and debian OS:

ipconfig

```
Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::e116:46b8:8c6:354f%11
  IPv4 Address. . . . . . . . . : 192.168.10.1
  Subnet Mask . . . . . . . . : 255.255.255.0
  Default Gateway . . . . . . . :
Ethernet adapter VMware Network Adapter VMnet8:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::2493:b05:4fdd:bf72%21
  IPv4 Address. . . . . . . . . : 192.168.186.1
  Default Gateway . . . . . . . :
Wireless LAN adapter Wi-Fi:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::2cf1:bf45:3815:bc2e%20
  IPv4 Address. . . . . . . . . : 192.168.100.251
  Default Gateway . . . . . . . : 192.168.100.1
Ethernet adapter Bluetooth Network Connection:
  Media State . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
 :\Users\HP ELITEBOOK 840 G3>
```

ifconfig



Using nmap identify the different ports running on The different machines

```
–(kali⊕kali)-[~]
└$ nmap gomycode.com
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-09-17 08:19 EDT
Nmap scan report for gomycode.com (35.207.134.165)
Host is up (0.13s latency).
rDNS record for 35.207.134.165: 165.134.207.35.bc.googleusercontent.com
Not shown: 984 filtered tcp ports (no-response)
         STATE SERVICE
PORT
21/tcp
          open
                 ftp
25/tcp
          open
                 smtp
80/tcp
          open
                 http
110/tcp
         open
                 pop3
143/tcp
          open
                 imap
443/tcp
         open
                 https
465/tcp
          open
                 smtps
587/tcp
          open
                 submission
993/tcp
         open
                 imaps
995/tcp
          open pop3s
2525/tcp open
3306/tcp open
                ms-v-worlds
                 mysql
5432/tcp open
                 postgresql
34571/tcp closed unknown
34572/tcp closed unknown
34573/tcp closed unknown
Nmap done: 1 IP address (1 host up) scanned in 6.94 seconds
  -(kali⊕kali)-[~]
```

using nslookup try to identify the FQND of the following IP: 3.33.130.190
 https://i.imgur.com/5XVWXxQ.png

WINDOWS OUTPUT

```
C:\Users\HP ELITEBOOK 840 G3>nslookup 3.33.130.190
DNS request timed out.
    timeout was 2 seconds.
Server: UnKnown
Address: 41.223.65.1
        a2aa9ff50de748dbe.awsglobalaccelerator.com
Address: 3.33.130.190
C:\Users\HP ELITEBOOK 840 G3>nslookup https://i.imgur.com/5XVWXxQ.png
DNS request timed out.
    timeout was 2 seconds.
Server: UnKnown
Address: 41.223.65.1
DNS request timed out.
   timeout was 2 seconds.
*** Request to UnKnown timed-out
C:\Users\HP ELITEBOOK 840 G3>
```

LINUX OUTPUT

```
–(kali⊕kali)-[~]
$ nslookup 3.33.130.190
190.130.33.3.in-addr.arpa
                                        name = a2aa9ff50de748dbe.awsglobalaccelerator.com.
Authoritative answers can be found from:
130.33.3.in-addr.arpa nameserver = ns-439.awsdns-54.com.
130.33.3.in-addr.arpa nameserver = ns-1987.awsdns-56.co.uk.
130.33.3.in-addr.arpa nameserver = ns-521.awsdns-01.net.
130.33.3.in-addr.arpa nameserver = ns-1072.awsdns-06.org.
ns-1072.awsdns-06.org internet address = 205.251.196.48
ns-1987.awsdns-56.co.uk internet address = 205.251.199.195
ns-439.awsdns-54.com internet address = 205.251.193.183
ns-521.awsdns-01.net internet address = 205.251.194.9
ns-1072.awsdns-06.org has AAAA address 2600:9000:5304:3000::1
ns-1987.awsdns-56.co.uk has AAAA address 2600:9000:5307:c300::1
ns-439.awsdns-54.com has AAAA address 2600:9000:5301:b700::1 ns-521.awsdns-01.net has AAAA address 2600:9000:5302:900::1
   –(kali⊛kali)-[~]
$ nslookup https://i.imgur.com/5XVWXxQ.png
             41.223.65.1
Server:
Address:
                   41.223.65.1#53
** server can't find https://i.imgur.com/5XVWXxQ.png: NXDOMAIN
```

verify the communication with the following ip: 172.16.103.134 (use ping)

WINDOWS OUTPUT

```
C:\Users\HP ELITEBOOK 840 G3>ping 172.16.103.134

Pinging 172.16.103.134 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.16.103.134:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\HP ELITEBOOK 840 G3>
```

LINUX OUTPUT

let's try to identify it's FQND : use dig https://i.imgur.com/RgGC5vn.png

let's re-verify by pinging : debianGomycode.gomycode.com

```
C:\Users\HP ELITEBOOK 840 G3>ping debianGomycode.gomycode.com
Ping request could not find host debianGomycode.gomycode.com. Please check the name and try again.
C:\Users\HP ELITEBOOK 840 G3>
```