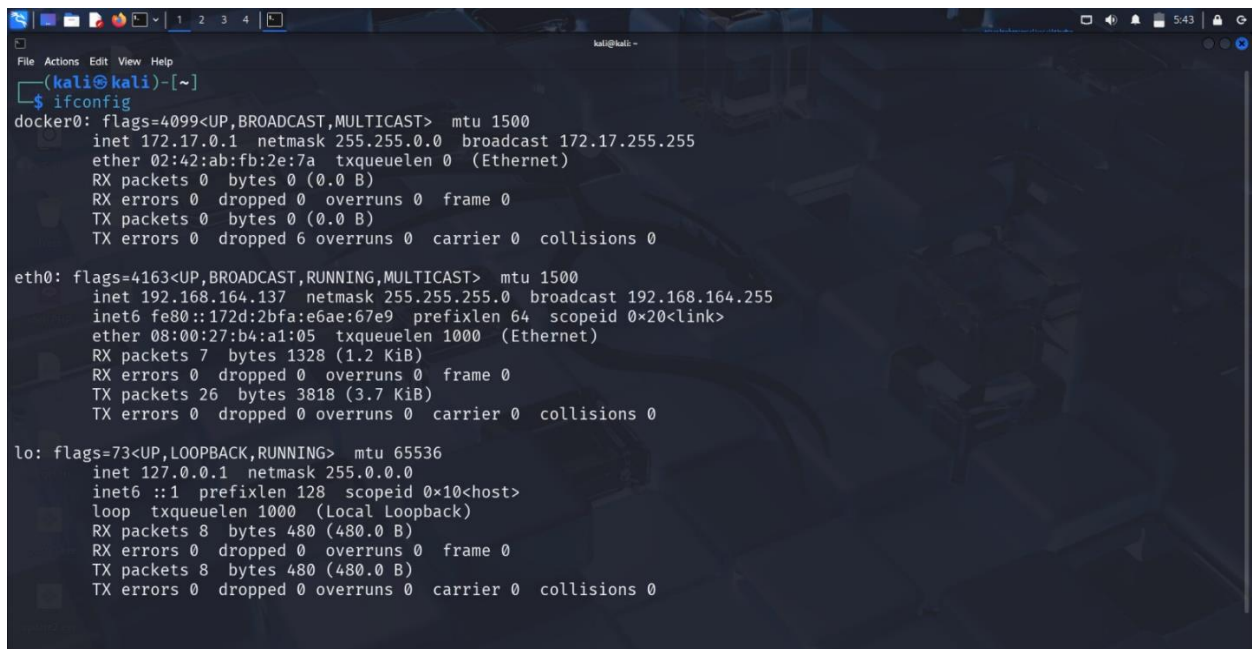


To find the IP Address Kali linux ,type the command ifconfig in terminal.



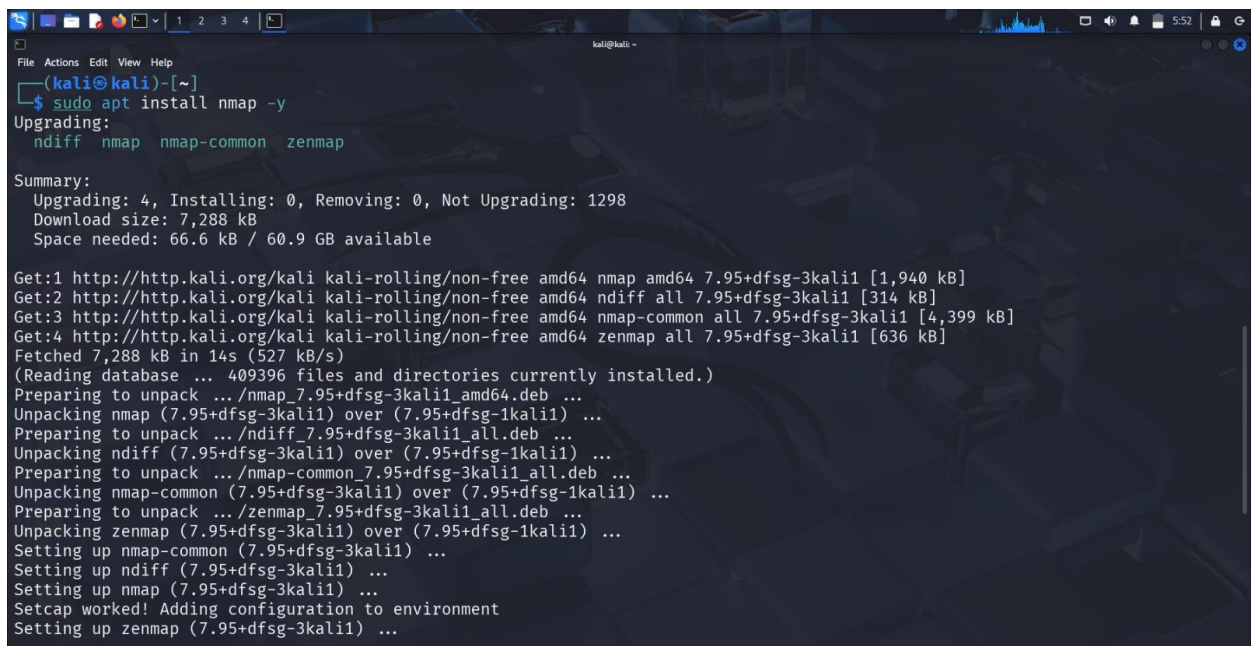
```
(kali@kali)~$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
        inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
        ether 02:42:ab:fb:2e:7a txqueuelen 0 (Ethernet)
        RX packets 0 bytes 0 (0.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 0 bytes 0 (0.0 B)
        TX errors 0 dropped 6 overruns 0 carrier 0 collisions 0

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.164.137 netmask 255.255.255.0 broadcast 192.168.164.255
        inet6 fe80::172d:2bfa:e6ae:67e9 prefixlen 64 scopeid 0<link>
        ether 08:00:27:b4:a1:05 txqueuelen 1000 (Ethernet)
        RX packets 7 bytes 1328 (1.2 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 26 bytes 3818 (3.7 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0<host>
        loop txqueuelen 1000 (Local Loopback)
        RX packets 8 bytes 480 (480.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 8 bytes 480 (480.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

We can see range of IP 192.168.164.0/24

Install nmap

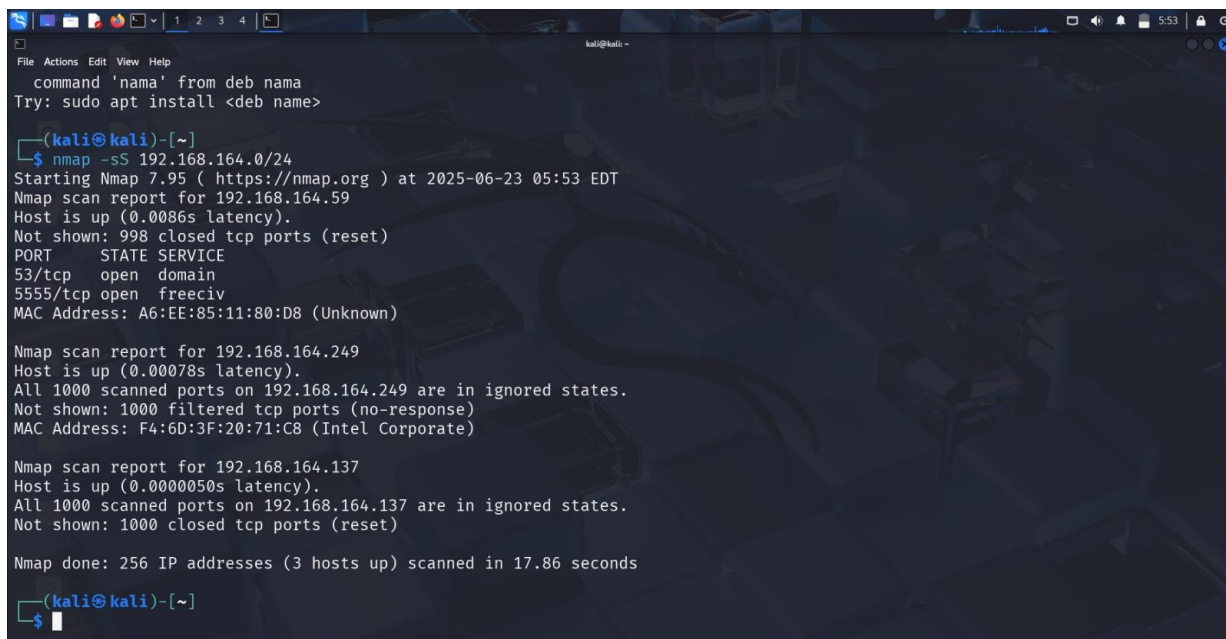


```
(kali@kali)~$ sudo apt install nmap -y
Upgrading:
  ndiff nmap nmap-common zenmap

Summary:
  Upgrading: 4, Installing: 0, Removing: 0, Not Upgrading: 1298
  Download size: 7,288 kB
  Space needed: 66.6 kB / 60.9 GB available

Get:1 http://http.kali.org/kali kali-rolling/non-free amd64 nmap amd64 7.95+dfsg-3kali1 [1,940 kB]
Get:2 http://http.kali.org/kali kali-rolling/non-free amd64 ndiff all 7.95+dfsg-3kali1 [314 kB]
Get:3 http://http.kali.org/kali kali-rolling/non-free amd64 nmap-common all 7.95+dfsg-3kali1 [4,399 kB]
Get:4 http://http.kali.org/kali kali-rolling/non-free amd64 zenmap all 7.95+dfsg-3kali1 [636 kB]
Fetched 7,288 kB in 14s (527 kB/s)
(Reading database ... 409396 files and directories currently installed.)
Preparing to unpack .../nmap_7.95+dfsg-3kali1_amd64.deb ...
Unpacking nmap (7.95+dfsg-3kali1) over (7.95+dfsg-1kali1) ...
Preparing to unpack .../ndiff_7.95+dfsg-3kali1_all.deb ...
Unpacking ndiff (7.95+dfsg-3kali1) over (7.95+dfsg-1kali1) ...
Preparing to unpack .../nmap-common_7.95+dfsg-3kali1_all.deb ...
Unpacking nmap-common (7.95+dfsg-3kali1) over (7.95+dfsg-1kali1) ...
Preparing to unpack .../zenmap_7.95+dfsg-3kali1_all.deb ...
Unpacking zenmap (7.95+dfsg-3kali1) over (7.95+dfsg-1kali1) ...
Setting up nmap-common (7.95+dfsg-3kali1) ...
Setting up ndiff (7.95+dfsg-3kali1) ...
Setting up nmap (7.95+dfsg-3kali1) ...
Setcap worked! Adding configuration to environment
Setting up zenmap (7.95+dfsg-3kali1) ...
```

Scan by using the command Nmap -sS 192.168.164.0/24



```
(kali@kali)-[~]
$ nmap -sS 192.168.164.0/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-06-23 05:53 EDT
Nmap scan report for 192.168.164.59
Host is up (0.0086s latency).
Not shown: 998 closed tcp ports (reset)
PORT      STATE SERVICE
53/tcp    open  domain
5555/tcp  open  freeciv
MAC Address: A6:EE:85:11:80:D8 (Unknown)

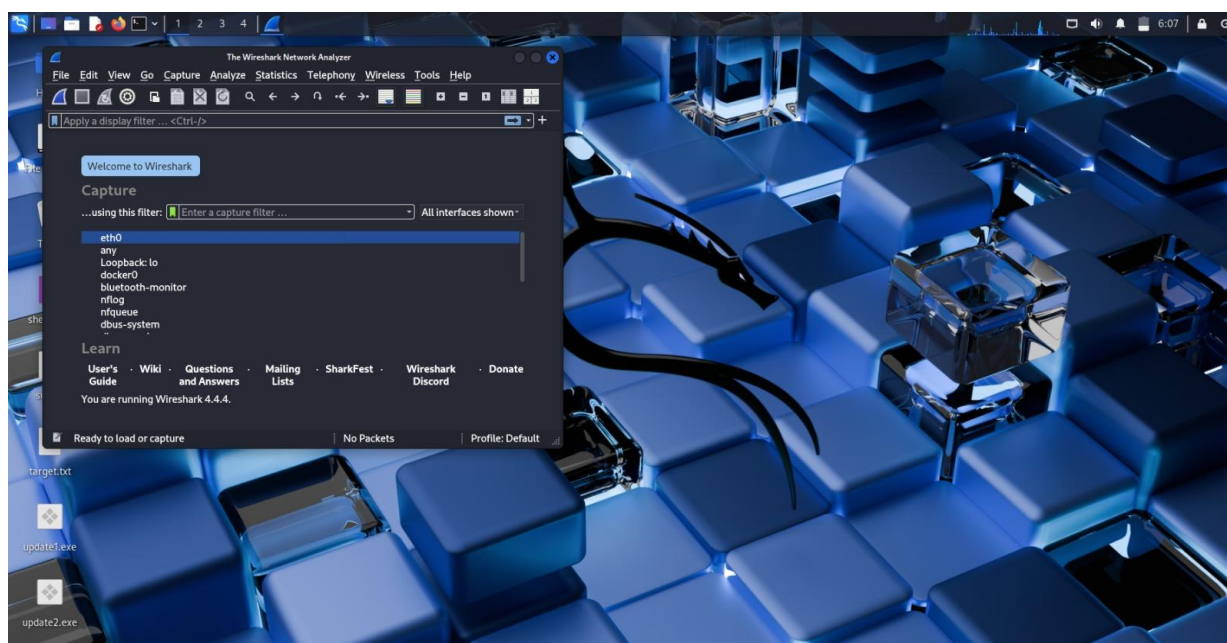
Nmap scan report for 192.168.164.249
Host is up (0.00078s latency).
All 1000 scanned ports on 192.168.164.249 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
MAC Address: F4:6D:3F:20:71:C8 (Intel Corporate)

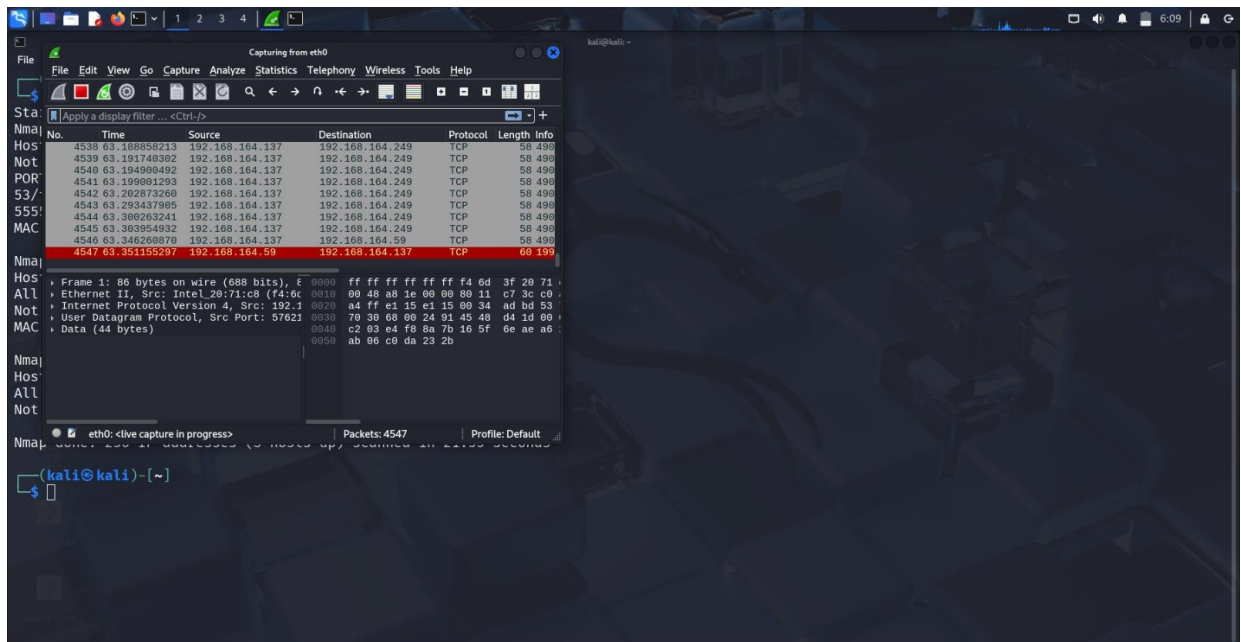
Nmap scan report for 192.168.164.137
Host is up (0.000050s latency).
All 1000 scanned ports on 192.168.164.137 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (3 hosts up) scanned in 17.86 seconds

(kali@kali)-[~]
```

In wireshark choose eth0





Transfer the downloaded files to windows11

