Cyber Security Internship Task 1 - Port Scanning Using Nmap

↓ Tools Used

- Nmap: For scanning open ports and performing TCP SYN scan

↓ Objective

To perform basic network reconnaissance by scanning the local network for open ports using Nmap and understand the potential risks associated with exposed network services.

↓ Steps Performed

1. Identified Local IP Range

Used the command

- On Linux: ifconfig

Found my local IP: `192.168.84.226`, so the range is: `192.168.84.226/24`

2. Ran TCP SYN Scan

Command:

(nmap -sS 192.168.84.226/24)

↓ Open Port

PORT	STATE	SERVICE
1. 5000/tcp	open	upnp
2. 7000/tcp	open	afs3-fileserver
3. 49152/TCP.	Open	unknown

kali [Running]

kali@kali: ~   21:47 | ⏻

File   Actions   Edit   View   Help

```
           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


  ┌──(kali㉿kali)-[~]
  └─$ nmap -sS 192.168.84.226
Starting Nmap 7.95 ( https://nmap.org ) at 2025-05-26 20:51 IST
Nmap scan report for 192.168.84.226
Host is up (0.00s latency).
All 1000 scanned ports on 192.168.84.226 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 0.16 seconds

  ┌──(kali㉿kali)-[~]
  └─$ nmap -sS 192.168.84.226/24
Starting Nmap 7.95 ( https://nmap.org ) at 2025-05-26 20:52 IST
Nmap scan report for 192.168.84.60
Host is up (0.00025s latency).
Not shown: 997 closed tcp ports (reset)
PORT      STATE SERVICE
5000/tcp  open  upnp
7000/tcp  open  afs3-fileserver
49152/tcp open  unknown
MAC Address: EE:F5:2C:2F:84:5B (Unknown)

Nmap scan report for 192.168.84.81
Host is up (0.0066s latency).
Not shown: 999 closed tcp ports (reset)
PORT    STATE SERVICE
53/tcp open  domain
MAC Address: 86:2B:A9:0F:DB:27 (Unknown)

Nmap scan report for 192.168.84.226
Host is up (0.00s latency).
All 1000 scanned ports on 192.168.84.226 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (3 hosts up) scanned in 13.93 seconds

  ┌──(kali㉿kali)-[~]
  └─$ ▮
```