Week 1 - Task 3: Local Network Scanning

Tool 1: Nmap

- IP 192.168.0.105 (CLASS C) so, subnet is 192.168.0.0/24

- Subnet scanned: 192.168.0.0/24

- Command used: sudo nmap -sn 192.168.0.0/24

- Devices found:

    o 192.168.0.1 – TP-Link Technologies

    o 192.168.0.101 – Unknown

    o 192.168.0.104 – Hewlett Packard

    o 192.168.0.105 – My Kali Linux

Tool 2: Netdiscover

- Command used: sudo netdiscover -r 192.168.0.0/24

- Devices and vendors found (See ScreenShot For Detailed view)

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RAW OUTPUT :

┌──(virus㉿virus)-[~]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

    inet 192.168.0.105 netmask 255.255.255.0 broadcast 192.168.0.255

    inet6 fe80::a00:27ff:fe45:d497 prefixlen 64 scopeid 0x20<link>

    ether 08:00:27:45:d4:97 txqueuelen 1000 (Ethernet)

    RX packets 437 bytes 46756 (45.6 KiB)

    RX errors 0 dropped 1 overruns 0 frame 0

    TX packets 802 bytes 50562 (49.3 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 0x10<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

┌──(virus㊉virus)-[~]

└─$ sudo nmap -sn 192.168.0.0/24

Starting Nmap 7.95 (https://nmap.org) at 2025-07-25 11:02 EDT

Nmap scan report for 192.168.0.1

Host is up (0.00091s latency).

MAC Address: C4:6E:1F:8D:6F:30 (TP-Link Technologies)

Nmap scan report for 192.168.0.101

Host is up (0.065s latency).

MAC Address: 52:29:D1:73:B9:C1 (Unknown)

Nmap scan report for 192.168.0.104

Host is up (0.00045s latency).

MAC Address: EC:8E:B5:FA:28:36 (Hewlett Packard)

Nmap scan report for 192.168.0.105

Host is up.

Nmap done: 256 IP addresses (4 hosts up) scanned in 2.67 seconds

Currently scanning: Finished! | Screen View: Unique Hosts

3 Captured ARP Req/Rep packets, from 2 hosts. Total size: 180

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 IP          At MAC Address    Count    Len  MAC Vendor / Hostname
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 192.168.0.1    c4:6e:1f:8d:6f:30    2    120  TP-LINK TECHNOLOGIES CO.,LTD.
 192.168.0.104  ec:8e:b5:fa:28:36    1     60  Hewlett Packard
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