

Checking for Open Ports

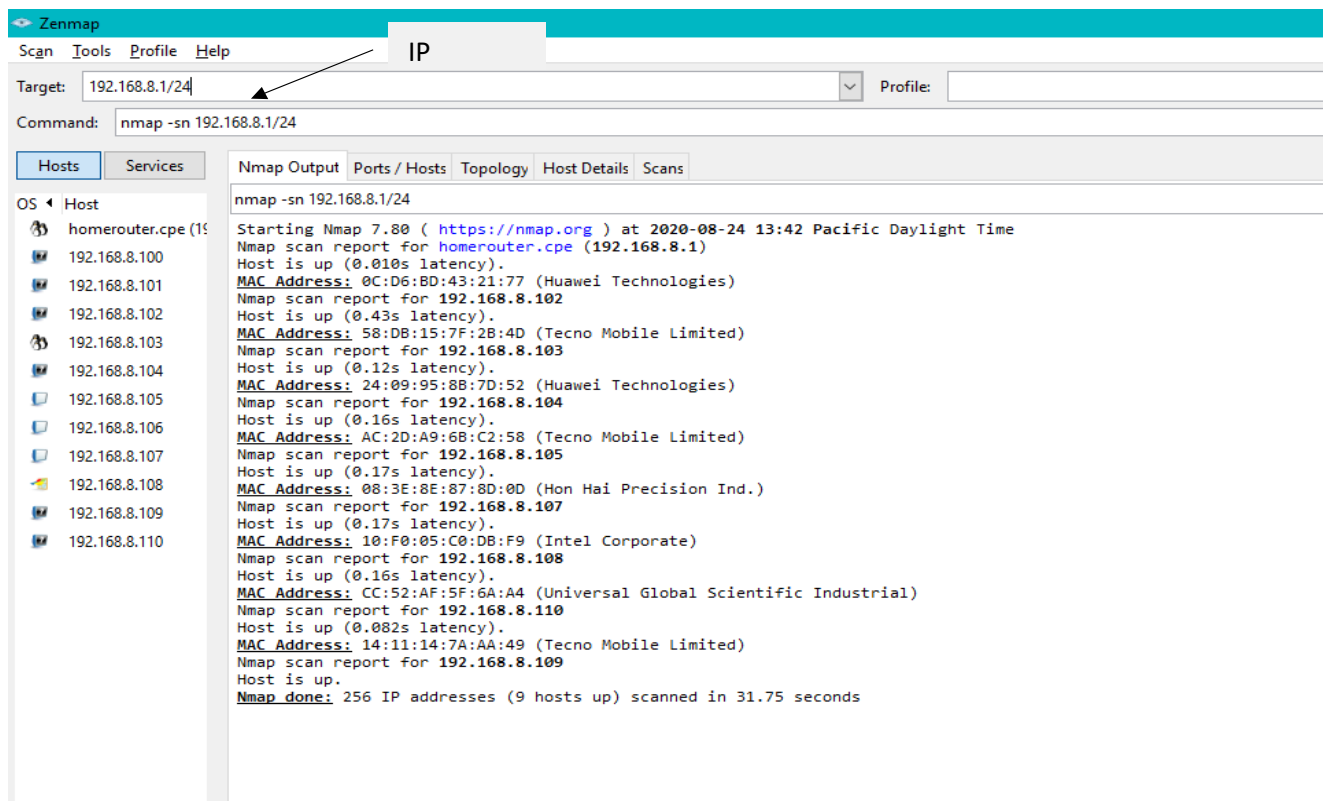
SSDP Scanning

Simple Service Discovery Protocol (SSDP) is a protocol used for discovery of network services without the assistance of server-based configuration like Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) and static network host configuration. SSDP protocol can discover Plug & Play devices, with UPnP (Universal Plug and Play). SSDP protocol is compatible with IPv4 and IPv6.

Scanning Tool

1. Nmap

Another way to ping a host is by performing a ping using nmap. Using Windows or Linux command prompt, enter the following command: -

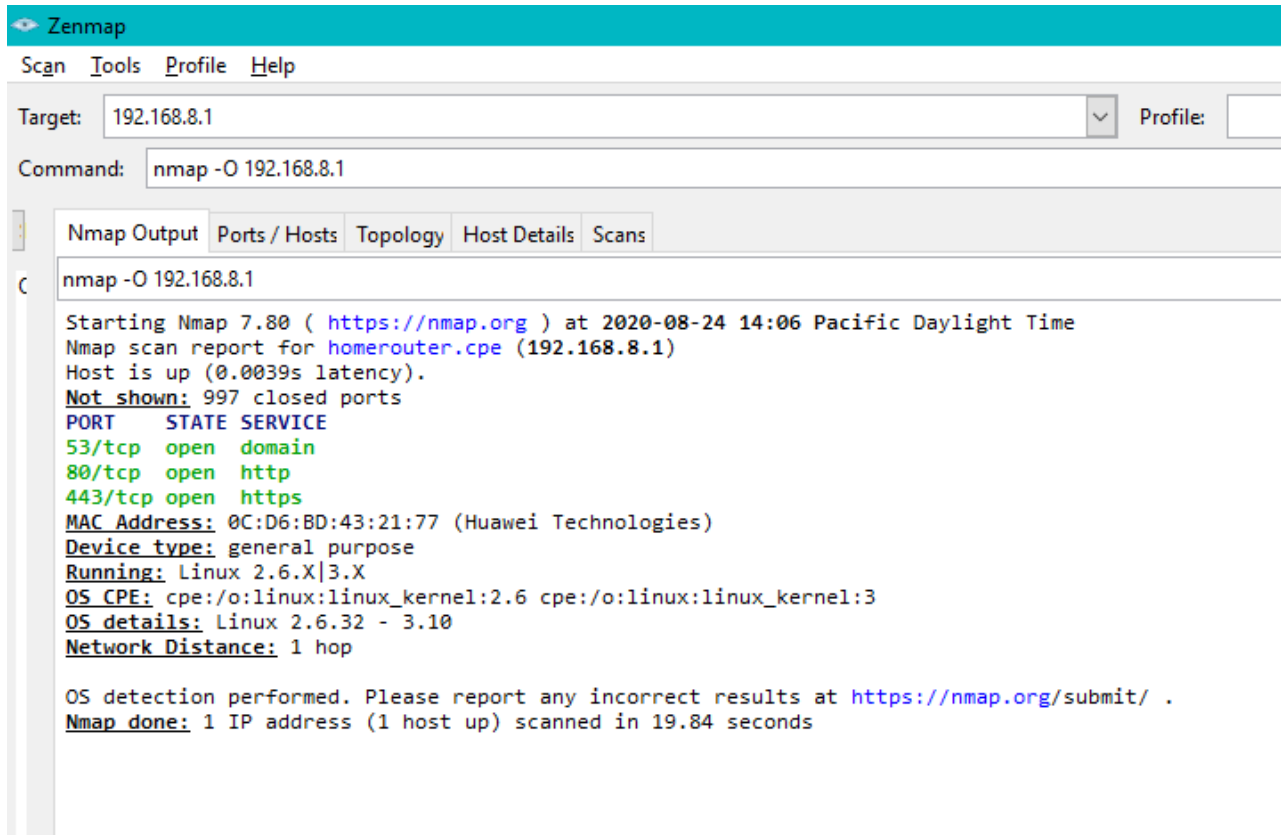


Nmap ping Sweep

Now, scanning for Operating System details of target host 10.10.50.210.

We can scan for all host using command **nmap -O 10.10.50.***

e.g: Command: nmap -O 10.10.50.210



```
nmap -O 192.168.8.1

Starting Nmap 7.80 ( https://nmap.org ) at 2020-08-24 14:06 Pacific Daylight Time
Nmap scan report for homerouter.cpe (192.168.8.1)
Host is up (0.0039s latency).
Not shown: 997 closed ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
443/tcp   open  https
MAC Address: 0C:D6:BD:43:21:77 (Huawei Technologies)
Device type: general purpose
Running: Linux 2.6.X|3.X
OS CPE: cpe:/o:linux:linux_kernel:2.6 cpe:/o:linux:linux_kernel:3
OS details: Linux 2.6.32 - 3.10
Network Distance: 1 hop

OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 19.84 seconds
```