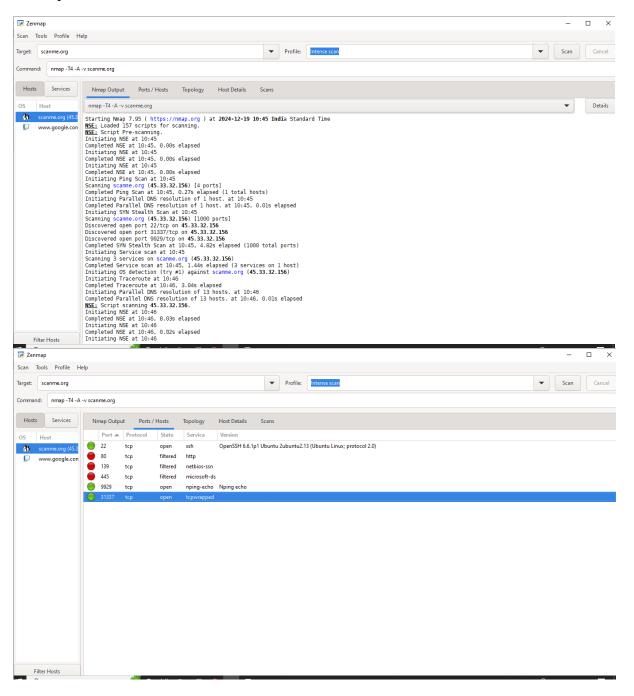
PRACTICAL NO 4

AIM: Port Scanning with NMap

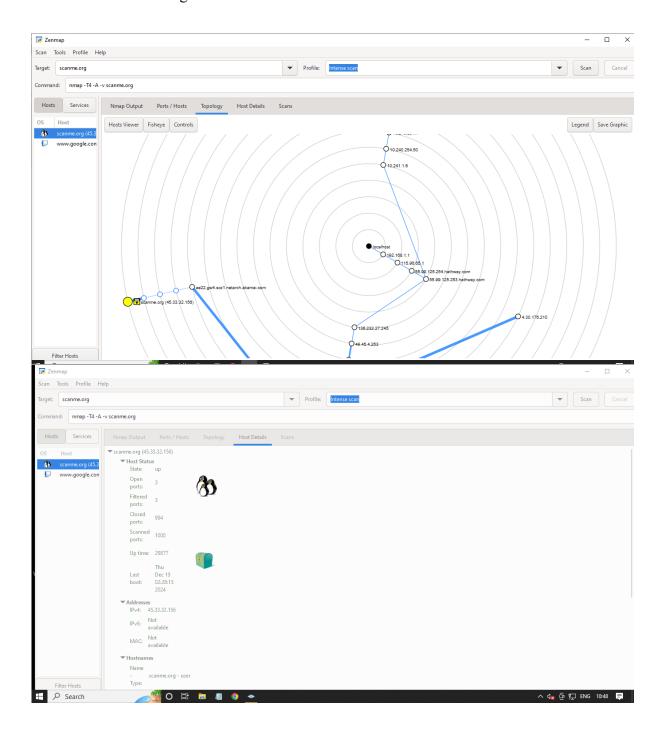
- O Use NMap to perform an ACK scan to determine if a port is filtered, unfiltered, or open.
- Perform SYN, FIN, NULL, and XMAS scans to identify open ports and their characteristics.
- Analyze the scan results to gather information about the target system's network services.

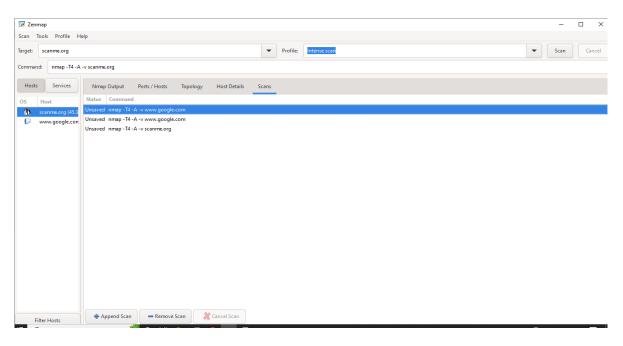
Zenmap:-



TYCS / Ethical Hacking

Practical 4





CMD:-

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32\rmap on the composition of the composition o
```

1. nmap -sA -T4 www.google.com OR nmap -sA - T4 scanme.nmap.org

```
C:\Windows\system32>nmap -sA -T4 scanme.nmap.org
Starting Nmap 7.70 ( https://nmap.org ) at 2019-01-10 19:04 India Standard Time
Nmap scan report for scanme.nmap.org (45.33.32.156)
Host is up (0.25s latency).
Not shown: 998 unfiltered ports
PORT STATE SERVICE
139/tcp filtered netbios-ssn
445/tcp filtered microsoft-ds
Nmap done: 1 IP address (1 host up) scanned in 19.01 seconds
```

2. nmap –p22,113,139 scname.nmap.org

```
C:\Windows\system32>nmap -p21,17,99 scanme.nmap.org
Starting Nmap 7.70 ( https://nmap.org ) at 2019-01-10 19:05 India Standard Time
Nmap scan report for scanme.nmap.org (45.33.32.156)
Host is up (0.26s latency).

PORT STATE SERVICE
17/tcp closed gotd
21/tcp closed ftp
99/tcp closed metagram

Nmap done: 1 IP address (1 host up) scanned in 6.83 seconds
```

3. nmap –sF –T4 www.google.com

```
C:\Windows\System32\cmd.exe

C:\Windows\System32\cmd.exe

C:\Windows\System32\cmd.exe

C:\Windows\System32\cmd.exe

C:\Windows\System32\cmd.exe

C:\Windows\System32\cmd.exe

C:\Windows\System32\cmd.exe

Starting Nmap -sF -T4 www.google.com
Starting Nmap for 172.06 india Standard Time
Nmap scan report for www.google.com (172.217.26.228)
Host is up (0.0074s latency).
rDNS record for 172.217.26.228: bom05s09-in-f4.1e100.net
All 1000 scanned ports on www.google.com (172.217.26.228) are open|filtered

Nmap done: 1 IP address (1 host up) scanned in 10.33 seconds
```

4. nmap –sN –p21 scanme.nmap.org

```
C:\Windows\system32\cmd.exe

C:\Windows\system32\cmd.exe

C:\Windows\system32\cmd.exe

C:\Windows\system32\cmd.exe

C:\Windows\system32\cmd.exe

C:\Windows\system32\cmd.exe

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| C:\Windows\system32\cmd.exe
| C:\Windows
```

5. nmap –sX –T4 scanme.nmap.org

```
C:\Windows\System32>nmap -sX -T4 scanme.nmap.org
Starting Nmap 7.70 ( https://nmap.org ) at 2019-01-10 19:07 India Standard Time
Nmap scan report for scanme.nmap.org (45.33.32.156)
Host is up (0.25s latency).
All 1000 scanned ports on scanme.nmap.org (45.33.32.156) are open|filtered
Nmap done: 1 IP address (1 host up) scanned in 23.64 seconds
```