



Laboratorio No. 3 - Escaneo de Puertos

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Objetivo

- Reconocer los dispositivos que se encuentran en una Red.
- Identificar que puertos y servicios están disponibles

1. Identifique sus datos de red

- Dirección IP

```
IPv4 Address . . . . . : 192.168.1.7
```

- DNS

```
Media State . . . . . : Media disconnected  
Connection-specific DNS Suffix . :
```

- Gateway.

```
Default Gateway . . . . . : fe80::763a:efff:feb5:7970%9  
192.168.1.1
```

2. Ejecute el comando Netstat : netstat -na

- Identifique que puertos están:

- escuchando por conexiones.

| Proto | Local Address | Foreign Address | State |
|-------|-----------------|-----------------|-----------|
| TCP | 0.0.0.0:135 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:445 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:2382 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:5040 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:6646 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:7680 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:8391 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:8733 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49664 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49665 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49666 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49667 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49668 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49675 | 0.0.0.0:0 | LISTENING |
| TCP | 0.0.0.0:49676 | 0.0.0.0:0 | LISTENING |
| TCP | 127.0.0.1:3213 | 0.0.0.0:0 | LISTENING |
| TCP | 127.0.0.1:5354 | 0.0.0.0:0 | LISTENING |
| TCP | 127.0.0.1:6463 | 0.0.0.0:0 | LISTENING |
| TCP | 127.0.0.1:49670 | 0.0.0.0:0 | LISTENING |

- Conexiones activas y cerradas



| | | | |
|-----|-------------------|---------------------|-------------|
| TCP | 127.0.0.1:53198 | 127.0.0.1:56276 | TIME_WAIT |
| TCP | 127.0.0.1:53204 | 127.0.0.1:56276 | CLOSE_WAIT |
| TCP | 127.0.0.1:53205 | 127.0.0.1:56276 | ESTABLISHED |
| TCP | 127.0.0.1:56087 | 127.0.0.1:65001 | ESTABLISHED |
| TCP | 127.0.0.1:56276 | 0.0.0.0:0 | LISTENING |
| TCP | 127.0.0.1:56276 | 127.0.0.1:53197 | TIME_WAIT |
| TCP | 127.0.0.1:56276 | 127.0.0.1:53204 | FIN_WAIT_2 |
| TCP | 127.0.0.1:56276 | 127.0.0.1:53205 | ESTABLISHED |
| TCP | 127.0.0.1:56276 | 127.0.0.1:56290 | ESTABLISHED |
| TCP | 127.0.0.1:56276 | 127.0.0.1:62131 | TIME_WAIT |
| TCP | 127.0.0.1:56290 | 127.0.0.1:56276 | ESTABLISHED |
| TCP | 127.0.0.1:62132 | 127.0.0.1:56276 | TIME_WAIT |
| TCP | 127.0.0.1:65001 | 0.0.0.0:0 | LISTENING |
| TCP | 127.0.0.1:65001 | 127.0.0.1:56087 | ESTABLISHED |
| TCP | 192.168.1.7:139 | 0.0.0.0:0 | LISTENING |
| TCP | 192.168.1.7:49257 | 52.109.16.5:443 | TIME_WAIT |
| TCP | 192.168.1.7:49398 | 8.28.7.81:443 | ESTABLISHED |
| TCP | 192.168.1.7:49747 | 52.114.133.198:443 | ESTABLISHED |
| TCP | 192.168.1.7:50124 | 184.84.152.252:443 | ESTABLISHED |
| TCP | 192.168.1.7:50251 | 162.159.129.233:443 | ESTABLISHED |
| TCP | 192.168.1.7:50982 | 162.159.129.233:443 | TIME_WAIT |
| TCP | 192.168.1.7:51112 | 13.107.6.254:443 | ESTABLISHED |
| TCP | 192.168.1.7:51114 | 131.253.33.254:443 | ESTABLISHED |
| TCP | 192.168.1.7:51115 | 162.159.135.232:443 | ESTABLISHED |
| TCP | 192.168.1.7:51117 | 162.159.135.234:443 | ESTABLISHED |
| TCP | 192.168.1.7:51129 | 162.159.129.235:443 | ESTABLISHED |
| TCP | 192.168.1.7:51174 | 192.65.229.43:443 | ESTABLISHED |
| TCP | 192.168.1.7:51177 | 104.36.113.17:443 | ESTABLISHED |
| TCP | 192.168.1.7:51182 | 107.178.244.119:443 | ESTABLISHED |
| TCP | 192.168.1.7:51460 | 104.36.113.17:443 | ESTABLISHED |
| TCP | 192.168.1.7:52712 | 52.226.139.180:443 | ESTABLISHED |
| TCP | 192.168.1.7:52721 | 54.85.80.8:443 | ESTABLISHED |
| TCP | 192.168.1.7:53192 | 35.186.220.184:443 | ESTABLISHED |
| TCP | 192.168.1.7:53206 | 52.109.12.118:443 | ESTABLISHED |
| TCP | 192.168.1.7:53258 | 172.217.3.130:443 | TIME_WAIT |
| TCP | 192.168.1.7:53464 | 52.10.200.18:8883 | ESTABLISHED |
| TCP | 192.168.1.7:53572 | 52.109.16.5:443 | TIME_WAIT |
| TCP | 192.168.1.7:53582 | 104.94.108.49:443 | ESTABLISHED |
| TCP | 192.168.1.7:54199 | 185.184.8.65:443 | ESTABLISHED |
| TCP | 192.168.1.7:54254 | 23.210.142.147:443 | ESTABLISHED |
| TCP | 192.168.1.7:55160 | 35.186.253.211:443 | ESTABLISHED |
| TCP | 192.168.1.7:56398 | 184.84.152.252:443 | ESTABLISHED |
| TCP | 192.168.1.7:56614 | 107.178.244.119:443 | TIME_WAIT |
| TCP | 192.168.1.7:57195 | 151.101.205.44:443 | ESTABLISHED |
| TCP | 192.168.1.7:57299 | 35.211.233.246:443 | ESTABLISHED |
| TCP | 192.168.1.7:57447 | 184.25.52.223:443 | ESTABLISHED |
| TCP | 192.168.1.7:57613 | 185.199.109.153:443 | ESTABLISHED |

iii. Conexiones cerradas.

b. Puede identificar que aplicación esta asociada a cada puerto?

Se puede utilizar el netstat -ab para poder obtener información de que app se está utilizando y en que puerto.



```
C:\WINDOWS\system32>netstat -ab

Active Connections

Proto Local Address           Foreign Address         State
TCP    0.0.0.0:135              LAPTOP-GSMNLECH:0      LISTENING
[RpcSs]
TCP    0.0.0.0:445              LAPTOP-GSMNLECH:0      LISTENING
Can not obtain ownership information
TCP    0.0.0.0:2382             LAPTOP-GSMNLECH:0      LISTENING
[sqlbrowser.exe]
TCP    0.0.0.0:5040             LAPTOP-GSMNLECH:0      LISTENING
CDPSvc
[svchost.exe]
TCP    0.0.0.0:6646             LAPTOP-GSMNLECH:0      LISTENING
[WMSSHOST.EXE]
TCP    0.0.0.0:7680             LAPTOP-GSMNLECH:0      LISTENING
Can not obtain ownership information
TCP    0.0.0.0:8391             LAPTOP-GSMNLECH:0      LISTENING
Can not obtain ownership information
TCP    0.0.0.0:8733             LAPTOP-GSMNLECH:0      LISTENING
[HPJumpStartBridge.exe]
TCP    0.0.0.0:49664            LAPTOP-GSMNLECH:0      LISTENING
[lsass.exe]
TCP    0.0.0.0:49665            LAPTOP-GSMNLECH:0      LISTENING
Can not obtain ownership information
TCP    127.0.0.1:49670          LAPTOP-GSMNLECH:0      LISTENING
[CuelLAccessService.exe]
TCP    127.0.0.1:56087          LAPTOP-GSMNLECH:65001  ESTABLISHED
[nvcontainer.exe]
TCP    127.0.0.1:56276          LAPTOP-GSMNLECH:0      LISTENING
[NVIDIA Web Helper.exe]
TCP    127.0.0.1:56276          LAPTOP-GSMNLECH:56290  ESTABLISHED
[NVIDIA Web Helper.exe]
TCP    127.0.0.1:56290          LAPTOP-GSMNLECH:56276  ESTABLISHED
[NVIDIA Share.exe]
TCP    127.0.0.1:65001          LAPTOP-GSMNLECH:0      LISTENING
[nvcontainer.exe]
TCP    127.0.0.1:65001          LAPTOP-GSMNLECH:56087  ESTABLISHED
[nvcontainer.exe]
TCP    192.168.1.7:139          LAPTOP-GSMNLECH:0      LISTENING
Can not obtain ownership information
TCP    192.168.1.7:49222        126:https               ESTABLISHED
[chrome.exe]
TCP    192.168.1.7:49677        8.28.7.81:https          ESTABLISHED
[chrome.exe]
TCP    192.168.1.7:50092        104.18.100.194:https     ESTABLISHED
[chrome.exe]
TCP    192.168.1.7:50953        static:https             ESTABLISHED
[chrome.exe]
```

3. Ejecute el programa CurrPorts: <https://www.nirsoft.net/utis/cports.html>
 - a. Identifique que servicios están ejecutando en su computador personal.

| Process Name | Process | Protocol | Local Port | Local IP | Remote | Remote Address | Remote Port | State | Send Bytes | Received Bytes | Test Protocol | Resolved P. | Process Path | Process Name | This Description |
|--------------|------------|----------|------------|----------------|--------|----------------|----------------------|-------------|------------|----------------|---------------|-------------|---|---------------|------------------|
| chrome.exe | chrome.exe | TCP | 5253 | 192.168.1.7 | 443 | https | 192.168.1.7:5253 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 5174 | 192.168.1.7 | 443 | https | 192.168.1.7:5174 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 5182 | 192.168.1.7 | 443 | https | 192.168.1.7:5182 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 5252 | 192.168.1.7 | 443 | https | 192.168.1.7:5252 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 54789 | 192.168.1.7 | 443 | https | 192.168.1.7:54789 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 54234 | 192.168.1.7 | 443 | https | 192.168.1.7:54234 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 54086 | 192.168.1.7 | 443 | https | 192.168.1.7:54086 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 57195 | 192.168.1.7 | 443 | https | 192.168.1.7:57195 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 57467 | 192.168.1.7 | 443 | https | 192.168.1.7:57467 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 57513 | 192.168.1.7 | 443 | https | 192.168.1.7:57513 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 58208 | 192.168.1.7 | 443 | https | 192.168.1.7:58208 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 58209 | 192.168.1.7 | 443 | https | 192.168.1.7:58209 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 59545 | 192.168.1.7 | 443 | https | 192.168.1.7:59545 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 59885 | 192.168.1.7 | 443 | https | 192.168.1.7:59885 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 60468 | 192.168.1.7 | 443 | https | 192.168.1.7:60468 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 61864 | 192.168.1.7 | 443 | https | 192.168.1.7:61864 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 62081 | 192.168.1.7 | 443 | https | 192.168.1.7:62081 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 62619 | 192.168.1.7 | 443 | https | 192.168.1.7:62619 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 63212 | 192.168.1.7 | 443 | https | 192.168.1.7:63212 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 62637 | 192.168.1.7 | 443 | https | 192.168.1.7:62637 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | UDP | 5353 | | | | | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | UDP | 5353 | | | | | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 48742 | 2000:00:119::6 | 443 | https | 2000:00:119::6:48742 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 51884 | 2000:00:119::6 | 443 | https | 2000:00:119::6:51884 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 52103 | 2000:00:119::6 | 443 | https | 2000:00:119::6:52103 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 54461 | 2000:00:119::6 | 443 | https | 2000:00:119::6:54461 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 54478 | 2000:00:119::6 | 443 | https | 2000:00:119::6:54478 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 59615 | 2000:00:119::6 | 443 | https | 2000:00:119::6:59615 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 62186 | 2000:00:119::6 | 443 | https | 2000:00:119::6:62186 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 62027 | 2000:00:119::6 | 5228 | https | 2000:00:119::6:62027 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | TCP | 63420 | 2000:00:119::6 | 443 | https | 2000:00:119::6:63420 | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | UDP | 5353 | | | | | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |
| chrome.exe | chrome.exe | UDP | 5353 | | | | | Established | | | | | C:\Program Files\Google\Chrome\Application\chrome.exe | Google Chrome | Google Chrome |



b. Identifique los puertos y las aplicaciones asociadas.

| Process Na... | Proces... | Protocol | Local Port |
|------------------|-----------|----------|------------|
| chrome.exe | 14772 | TCP | 51174 |
| chrome.exe | 14772 | TCP | 54199 |
| chrome.exe | 14772 | TCP | 57195 |
| chrome.exe | 14772 | TCP | 57613 |
| chrome.exe | 14772 | TCP | 59039 |
| chrome.exe | 14772 | TCP | 59545 |
| chrome.exe | 14772 | TCP | 60448 |
| chrome.exe | 14772 | UDP | 5353 |
| chrome.exe | 25936 | UDP | 5353 |
| chrome.exe | 14772 | TCP | 49742 |
| chrome.exe | 14772 | TCP | 59478 |
| chrome.exe | 14772 | TCP | 59615 |
| chrome.exe | 14772 | TCP | 60597 |
| chrome.exe | 14772 | UDP | 5353 |
| chrome.exe | 25936 | UDP | 5353 |
| chrome.exe | 14772 | UDP | 62725 |
| chrome.exe | 14772 | UDP | 62725 |
| Discord.exe | 21760 | TCP | 6463 |
| Discord.exe | 24236 | TCP | 51115 |
| Discord.exe | 24236 | TCP | 51117 |
| Discord.exe | 24236 | TCP | 51129 |
| Discord.exe | 24236 | TCP | 63037 |
| Discord.exe | 24236 | TCP | 51120 |
| Discord.exe | 24236 | TCP | 51121 |
| Discord.exe | 21760 | UDP | 52528 |
| Discord.exe | 24236 | TCP | 60218 |
| Discord.exe | 21760 | UDP | 60435 |
| Discord.exe | 21760 | UDP | 57273 |
| nvcontainer.exe | 5284 | UDP | 10031 |
| nvcontainer.exe | 28424 | UDP | 51549 |
| nvcontainer.exe | 5012 | UDP | 55085 |
| nvcontainer.exe | 5012 | UDP | 5353 |
| nvcontainer.exe | 5012 | UDP | 55086 |
| NVIDIA Share.... | 15104 | TCP | 56290 |
| NVIDIA Share.... | 15104 | TCP | 49969 |
| NVIDIA Share.... | 15104 | TCP | 49982 |
| NVIDIA Share.... | 15104 | TCP | 49983 |
| NVIDIA Web H... | 23604 | TCP | 56276 |
| NVIDIA Web H... | 23604 | TCP | 56276 |
| NVIDIA Web H... | 23604 | UDP | 10030 |
| NVIDIA Web H... | 23604 | TCP | 56276 |
| NVIDIA Web H... | 23604 | TCP | 56276 |

c.Cuál es la principal diferencia entre netstat y curports?

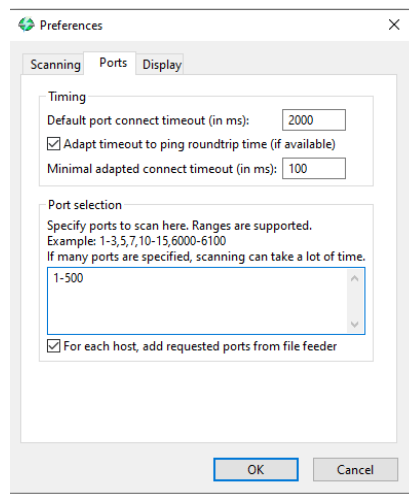
**Netstat es un modo estándar que informa sobre todas las conexiones de red activas, y curports es un software de monitoreo de red que muestra la lista de todos los puertos TCP/IP y UDP abiertos actualmente en su computadora local. **



4. Ejecute el programa Angry IP Scanner
 - a. Haga un barrido de la red en la que se encuentra.

| IP | Ping | Hostname | Ports [3+] |
|---------------|-------|-----------------|------------|
| 192.168.56.1 | 0 ms | LAPTOP-GSMNLECH | [n/a] |
| 192.168.56.2 | [n/a] | [n/s] | [n/s] |
| 192.168.56.3 | [n/a] | [n/s] | [n/s] |
| 192.168.56.4 | [n/a] | [n/s] | [n/s] |
| 192.168.56.5 | [n/a] | [n/s] | [n/s] |
| 192.168.56.6 | [n/a] | [n/s] | [n/s] |
| 192.168.56.7 | [n/a] | [n/s] | [n/s] |
| 192.168.56.8 | [n/a] | [n/s] | [n/s] |
| 192.168.56.9 | [n/a] | [n/s] | [n/s] |
| 192.168.56.10 | [n/a] | [n/s] | [n/s] |
| 192.168.56.11 | [n/a] | [n/s] | [n/s] |
| 192.168.56.12 | [n/a] | [n/s] | [n/s] |
| 192.168.56.13 | [n/a] | [n/s] | [n/s] |
| 192.168.56.14 | [n/a] | [n/s] | [n/s] |
| 192.168.56.15 | [n/a] | [n/s] | [n/s] |
| 192.168.56.16 | [n/a] | [n/s] | [n/s] |
| 192.168.56.17 | [n/a] | [n/s] | [n/s] |
| 192.168.56.18 | [n/a] | [n/s] | [n/s] |
| 192.168.56.19 | [n/a] | [n/s] | [n/s] |
| 192.168.56.20 | [n/a] | [n/s] | [n/s] |
| 192.168.56.21 | [n/a] | [n/s] | [n/s] |
| 192.168.56.22 | [n/a] | [n/s] | [n/s] |
| 192.168.56.23 | [n/a] | [n/s] | [n/s] |
| 192.168.56.24 | [n/a] | [n/s] | [n/s] |
| 192.168.56.25 | [n/a] | [n/s] | [n/s] |
| 192.168.56.26 | [n/a] | [n/s] | [n/s] |
| 192.168.56.27 | [n/a] | [n/s] | [n/s] |
| 192.168.56.28 | [n/a] | [n/s] | [n/s] |
| 192.168.56.29 | [n/a] | [n/s] | [n/s] |
| 192.168.56.30 | [n/a] | [n/s] | [n/s] |
| 192.168.56.31 | [n/a] | [n/s] | [n/s] |
| 192.168.56.32 | [n/a] | [n/s] | [n/s] |
| 192.168.56.33 | [n/a] | [n/s] | [n/s] |

- b. Modifique el parámetro de puertos, coloque rango desde 1 hasta 500





IP Range - Angry IP Scanner

Scan Go to Commands Favorites Tools Help

IP Range: 192.168.56.0 to 192.168.56.255 IP Range

Hostname: LAPTOP-GSMNLECH IP↑ Netmask

Start

| IP | Ping | Hostname | Ports [500+] |
|---------------|-------|-----------------|--------------|
| 192.168.56.1 | 0 ms | LAPTOP-GSMNLECH | 135,139,445 |
| 192.168.56.2 | [n/a] | [n/s] | [n/s] |
| 192.168.56.3 | [n/a] | [n/s] | [n/s] |
| 192.168.56.4 | [n/a] | [n/s] | [n/s] |
| 192.168.56.5 | [n/a] | [n/s] | [n/s] |
| 192.168.56.6 | [n/a] | [n/s] | [n/s] |
| 192.168.56.7 | [n/a] | [n/s] | [n/s] |
| 192.168.56.8 | [n/a] | [n/s] | [n/s] |
| 192.168.56.9 | [n/a] | [n/s] | [n/s] |
| 192.168.56.10 | [n/a] | [n/s] | [n/s] |
| 192.168.56.11 | [n/a] | [n/s] | [n/s] |
| 192.168.56.12 | [n/a] | [n/s] | [n/s] |
| 192.168.56.13 | [n/a] | [n/s] | [n/s] |
| 192.168.56.14 | [n/a] | [n/s] | [n/s] |
| 192.168.56.15 | [n/a] | [n/s] | [n/s] |
| 192.168.56.16 | [n/a] | [n/s] | [n/s] |
| 192.168.56.17 | [n/a] | [n/s] | [n/s] |
| 192.168.56.18 | [n/a] | [n/s] | [n/s] |
| 192.168.56.19 | [n/a] | [n/s] | [n/s] |
| 192.168.56.20 | [n/a] | [n/s] | [n/s] |
| 192.168.56.21 | [n/a] | [n/s] | [n/s] |
| 192.168.56.22 | [n/a] | [n/s] | [n/s] |
| 192.168.56.23 | [n/a] | [n/s] | [n/s] |
| 192.168.56.24 | [n/a] | [n/s] | [n/s] |
| 192.168.56.25 | [n/a] | [n/s] | [n/s] |

100% - IP Range - Angry IP Scanner

Scan Go to Commands Favorites Tools Help

IP Range: 192.168.1.1 to 192.168.1.20 IP Range

Hostname: LAPTOP-GSMNLECH IP↑ Netmask

Stop!

| IP | Ping | Hostname | Ports [500+] |
|--------------|-------|-----------------|--------------|
| 192.168.1.1 | 4 ms | [n/a] | 80 |
| 192.168.1.2 | [n/a] | [n/s] | [n/s] |
| 192.168.1.3 | [n/a] | [n/s] | [n/s] |
| 192.168.1.4 | 2 ms | [n/a] | 80 |
| 192.168.1.5 | [n/a] | [n/s] | [n/s] |
| 192.168.1.6 | [n/a] | [n/s] | [n/s] |
| 192.168.1.7 | 0 ms | LAPTOP-GSMNLECH | 135,139,445 |
| 192.168.1.8 | [n/a] | [n/s] | [n/s] |
| 192.168.1.9 | 6 ms | [n/a] | [n/a] |
| 192.168.1.10 | | | |
| 192.168.1.11 | 0 ms | LAPTOP-G4MH829T | 135,139,445 |
| 192.168.1.12 | [n/a] | [n/s] | [n/s] |
| 192.168.1.13 | 13 ms | [n/a] | [n/a] |
| 192.168.1.14 | 4 ms | [n/a] | [n/a] |
| 192.168.1.15 | [n/a] | [n/s] | [n/s] |
| 192.168.1.16 | [n/a] | [n/s] | [n/s] |
| 192.168.1.17 | [n/a] | [n/s] | [n/s] |
| 192.168.1.18 | [n/a] | [n/s] | [n/s] |
| 192.168.1.19 | [n/a] | [n/s] | [n/s] |
| 192.168.1.20 | [n/a] | [n/s] | [n/s] |



- c. Seleccione 1 dirección IP de las que encontró, y haga el barrido nuevamente.
 - a. Que puede determinar con la aplicación.

| IP | Ping | Hostname | Ports [500+] |
|--------------|------|-----------------|--------------|
| 192.168.56.1 | 0 ms | LAPTOP-GSMNLECH | 135,139,445 |

- b. Logro realizar el escaneo.
Si
 - c. Realice el escaneo en una red fuera de la universidad y analice los resultados.

5. Ejecute NMAP

- a. Haga un escaneo de puertos a una IP que está en la red

```
alexander@avR:~/Desktop$ nmap 192.168.1.13
Starting Nmap 7.80 ( https://nmap.org ) at 2021-08-28 11:49 CST
Nmap scan report for 192.168.1.13
Host is up (0.0076s latency).
All 1000 scanned ports on 192.168.1.13 are closed

Nmap done: 1 IP address (1 host up) scanned in 21.18 seconds
alexander@avR:~/Desktop$
```

- b.Cuál es la principal diferencia entre nmap y Angry.

Angry es un programa en el cual se puede hacer un escaneo de puertos, en el caso de nmap se puede hacer de la misma forma ya que tiene un programa en el cual se puede escanear los puertos, la diferencia es que nmap también se puede escanear con comandos desde la terminal.

- c. Logro realizar el escaneo.
Si, sin ningún problema
 - d. Realice el escaneo en una red fuera de la universidad y analice los resultados.