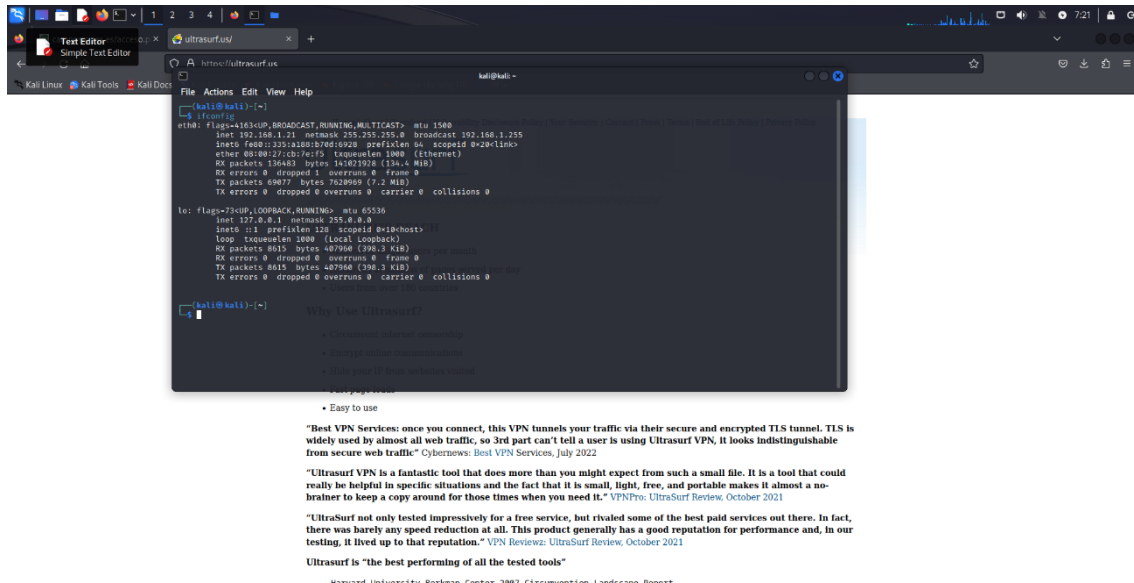


Pingsweeper en casa

Siguiendo los pasos aprendidos en clase haremos un escaneo de la red de casa y los equipos conectados a la misma. El primer paso es usar el comando: `ifconfig` para averiguar la dirección IP.



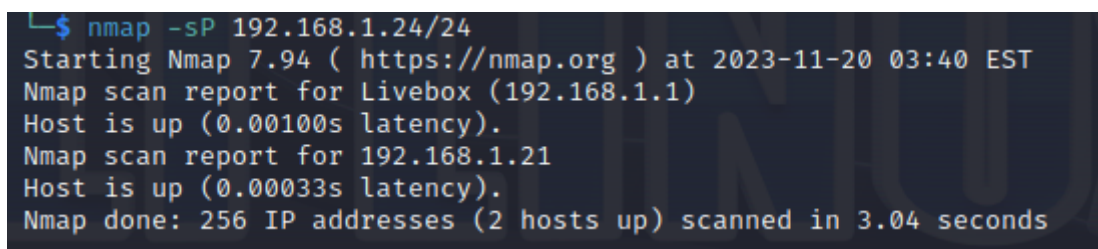
The screenshot shows a Kali Linux desktop environment. In the foreground, a terminal window displays the output of the `ifconfig` command. It shows the configuration for the `eth0` interface (IP: 192.168.1.21) and the `lo` loopback interface (IP: 127.0.0.1). In the background, a web browser window displays the 'Why Use UltraSurf?' page, which includes testimonials and a list of features like 'Easy to use'.

```
kali@kali:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.21 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::333:320b:7654:9228 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:cb:7e:f5 txqueuelen 1000 (Ethernet)
    RX packets 18649 bytes 14702192 (14.1 MiB)
    RX errors 0 dropped 1 overruns 0 frame 0
    TX packets 6987 bytes 7629569 (7.2 MiB)
    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 8615 bytes 407966 (398.3 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8615 bytes 407966 (398.3 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

kali@kali:~$
```

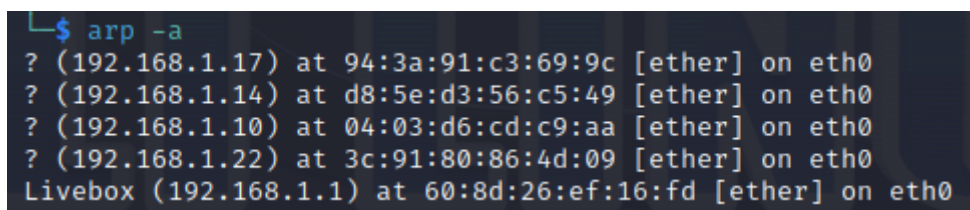
Una vez conocemos la dirección IP, el segundo paso es el comando: `nmap -sP (IP encontrada) /24`. Vemos que, actualmente, hay 2 dispositivos conectados en nuestra red doméstica. Usando el comando `arp -a` obtenemos las direcciones y MACs de los dispositivos.



The screenshot shows a terminal window with the output of the `nmap -sP 192.168.1.24/24` command. It reports that the scan was successful, finding 2 hosts up (192.168.1.1 and 192.168.1.21) out of 256 IP addresses scanned in 3.04 seconds.

```
$ nmap -sP 192.168.1.24/24
Starting Nmap 7.94 ( https://nmap.org ) at 2023-11-20 03:40 EST
Nmap scan report for Livebox (192.168.1.1)
Host is up (0.00100s latency).
Nmap scan report for 192.168.1.21
Host is up (0.00033s latency).
Nmap done: 256 IP addresses (2 hosts up) scanned in 3.04 seconds
```

Usando el comando `arp -a` obtenemos las direcciones y MACs de los dispositivos.



The screenshot shows a terminal window with the output of the `arp -a` command. It lists the IP addresses and MAC addresses of the devices on the network, including the Livebox (192.168.1.1) and several other devices.

```
$ arp -a
? (192.168.1.17) at 94:3a:91:c3:69:9c [ether] on eth0
? (192.168.1.14) at d8:5e:d3:56:c5:49 [ether] on eth0
? (192.168.1.10) at 04:03:d6:cd:c9:aa [ether] on eth0
? (192.168.1.22) at 3c:91:80:86:4d:09 [ether] on eth0
Livebox (192.168.1.1) at 60:8d:26:ef:16:fd [ether] on eth0
```

