Modulo # 3 – Laboratorio # 5 : Captura de Conexiones IP

1. Ver la configuracion IP.

```
mikey@blooms:-

➤ ifconfig
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6::1 prefixlen 128 scopeid 0x10<nost>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 244 bytes 18589 (18.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 244 bytes 18589 (18.1 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlo1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.12 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::8d16:6a70:ce6b:4e50 prefixlen 64 scopeid 0x20link> ether 80:b6:55:47:8e:7a txqueuelen 1000 (Ethernet)
    RX packets 264021 bytes 297148816 (283.3 MiB)
    RX errors 0 dropped 41 overruns 0 frame 0
    TX packets 88578 bytes 19965794 (19.0 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

2. Ahora haremos un ping.

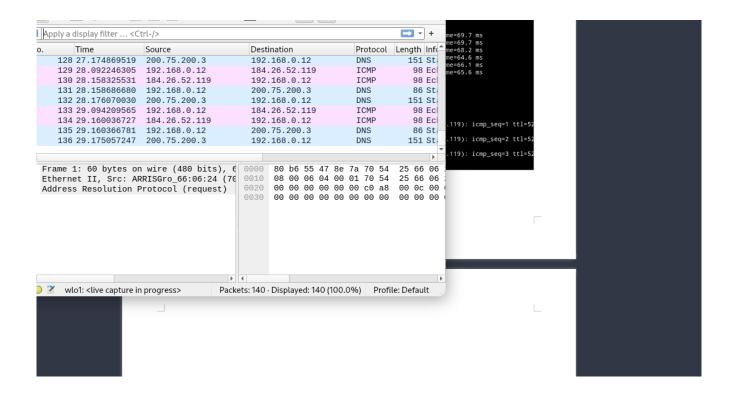
```
ether 80:b6:55:47:8e:7a txqueuelen 1000 (Ethernet)
RX packets 264021 bytes 297148816 (283.3 MiB)
RX errors 0 dropped 41 overruns 0 frame 0
TX packets 88578 bytes 19965794 (19.0 MiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

-> ping 192.168.0.20
PING 192.168.0.21 icmp_seq=1 Destination Host Unreachable
From 192.168.0.12 icmp_seq=2 Destination Host Unreachable
From 192.168.0.12 icmp_seq=3 Destination Host Unreachable
From 192.168.0.12 icmp_seq=4 Destination Host Unreachable
From 192.168.0.12 icmp_seq=6 Destination Host Unreachable
AC
--- 192.168.0.20 ping statistics ---
7 packets transmitted, 0 received, +6 errors, 100% packet loss, time 6131ms
pipe 4
-> ping 192.168.0.12
PING 192.168.0.12 (192.168.0.12) 56(84) bytes of data.
64 bytes from 192.168.0.12: icmp_seq=1 ttl=64 time=0.028 ms
64 bytes from 192.168.0.12: icmp_seq=3 ttl=64 time=0.048 ms
64 bytes from 192.168.0.12: icmp_seq=3 ttl=64 time=0.028 ms
```

3. Ahora veremos que captura Wireshark.

```
□ +
Apply a display filter ... <Ctrl-/>
      Time
                     Source
                                          Destination
                                                               Protocol Length Infc
                     192.168.0.12
  1838 74.445665431 fe80::f4:c951:a1c1:... ff02::fb
                                                               MDNS
                                                                         297 St
  1839 74.445667325 192.168.0.5
                                          224.0.0.251
                                                               MDNS
                                                                         277 St
  1840 75.367297434 192.168.0.5
                                          224.0.0.251
                                                               MDNS
                                                                         277 St
  1841 75.367301129
                     fe80::f4:c951:a1c1:... ff02::fb
                                                                         297 St
  1842 77.415157114 fe80::f4:c951:a1c1:... ff02::fb
                                                               MDNS
                                                                         297 St
  1843 81.408957092 fe80::f4:c951:a1c1:... ff02::fb
                                                               MDNS
                                                                         297 St
  1844 83.662434562 fe80::5a5d:29e0:3e0... ff02::fb
                                                               MDNS
                                                                         102 St
  1845 83.662434868 fe80::5a5d:29e0:3e0... ff02::fb
                                                               MDNS
                                                                         446 St
Frame 1: 2962 bytes on wire (23696 bits 000
                                              80 b6 55 47 8e 7a 70 54
                                                                        25 66 06*
                                                                       eb 2a 82
8c f7 87
                                              0b 84 80 ee 40 00 2c 06
Ethernet II, Src: ARRISGro_66:06:24 (76 0010
Internet Protocol Version 4, Src: 130.8
                                              00 0c 01 bb a2 b6 84 67
                                              01 f5 e2 d1 00 00 01 01
55 3b 17 03 03 25 61 dc
Transmission Control Protocol, Src Port
                                                                       08 0a 17
                                                                       80 aa a2
                                         0050
                                              79 ef 4e cd 67 89 27
                                              cc 50 3c d7 64 17 c9 1f
                                                                       5c 86 c1
                                         0070
                                              cf 01 1e 5a fb 9d c5 71
                                                                       25 d1 b7
                                              6d 88 61 97 2a f2 f6 8d
                                                                       33 62 11
                                              12 5c d4 ba 14 f7 b7 67
                                              28 9e 98 d7 a5 e2 0a 7b
                                                                       b2 5b e€
                                              6h e3 62 4a 65 6e 2a 4d
wlo1: <live capture in progress>
                                  Packets: 1845 · Displayed: 1845 (100.0%) Profile: Default
64 bytes from 192.168.0.12: icmp_seq=46 ttl=64 time=0.046 ms
64 bytes from 192.168.0.12: icmp_seq=47 ttl=64 time=0.019 ms
64 bytes from 192.168.0.12: icmp_seq=48 ttl=64 time=0.047 ms
64 bytes from 192.168.0.12: icmp_seq=49 ttl=64 time=0.026 ms
64 bytes from 192.168.0.12: icmp_seq=50 ttl=64 time=0.023 ms
```

```
凲
                                                       pina www.cisco.com
^C
 -- 192.168.0.12 ping statistics ---
101 packets transmitted, 101 received, 0% packet loss, time 102385ms
rtt min/avg/max/mdev = 0.018/0.037/0.081/0.013 ms
 ping www.google.com
PING www.google.com (172.217.3.68) 56(84) bytes of data.
64 bytes from mia07s54-in-f4.1e100.net (172.217.3.68): icmp_seq=1 ttl=115 time=69.7 ms 64 bytes from mia07s54-in-f4.1e100.net (172.217.3.68): icmp_seq=2 ttl=115 time=69.7 ms 64 bytes from mia07s54-in-f4.1e100.net (172.217.3.68): icmp_seq=3 ttl=115 time=68.2 ms 64 bytes from mia07s54-in-f4.1e100.net (172.217.3.68): icmp_seq=4 ttl=115 time=64.6 ms
64 bytes from mia07s54-in-f4.1e100.net (172.217.3.68): icmp_seq=5 ttl=115 time=66.1 ms
64 bytes from mia07s54-in-f4.1e100.net (172.217.3.68): icmp_seq=6 ttl=115 time=65.6 ms
^C
--- www.google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5006ms
rtt min/avg/max/mdev = 64.628/67.335/69.735/1.994 ms
 ping www.cisco.com
PING e2867.dsca.akamaiedge.net (184.26.52.119) 56(84) bytes of data.
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=1 ttl=52
 time=76.7 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=2 ttl=52
 time=68.6 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=3 ttl=52
 time=64.9 ms
```



```
ping www.yahoo.com
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=13 ttl=9
2 time=68.0 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=14 ttl=5
2 time=70.8 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=15 ttl=5
2 time=64.4 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=16 ttl=5
2 time=65.7 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=17 ttl=5
2 time=64.7 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=18 ttl=5
2 time=67.4 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=19 ttl=5
2 time=64.6 ms
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=20 ttl=5
64 bytes from a184-26-52-119.deploy.static.akamaitechnologies.com (184.26.52.119): icmp_seq=21 ttl=5
2 time=67.3 ms
^C
--- e2867.dsca.akamaiedge.net ping statistics ---
21 packets transmitted, 21 received, 0% packet loss, time 20025ms
rtt min/avg/max/mdev = 64.358/67.359/76.701/2.990 ms
 ping www.yahoo.com
PING me-ycpi-cf-www.g06.yahoodns.net (68.180.135.251) 56(84) bytes of data.
```

