# Atividade Avaliativa Wireshark Data: 26/02/2025

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# Ex(1):

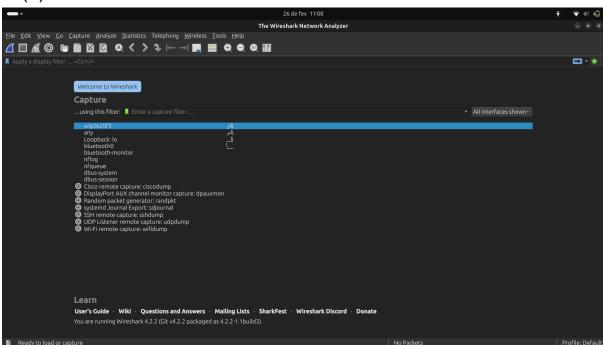
```
mateus@mateus-82MD:~$ ifconfig
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 ::1 prefixlen 128 scopeid 0x10<host>
       loop txqueuelen 1000 (Loopback Local)
       RX packets 5262 bytes 982451 (982.4 KB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 5262 bytes 982451 (982.4 KB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
wlp0s20f3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 10.250.2.60 netmask 255.255.0.0 broadcast 10.250.255.255
       inet6 fe80::c36f:b297:5241:9fec prefixlen 64 scopeid 0x20<link>
       ether e4:fd:45:95:e5:b1 txqueuelen 1000 (Ethernet)
       RX packets 664905 bytes 704410888 (704.4 MB)
       RX errors 0 dropped 8 overruns 0 frame 0
       TX packets 149067 bytes 22448527 (22.4 MB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

# Ex(1.5): Ping do LocalHost

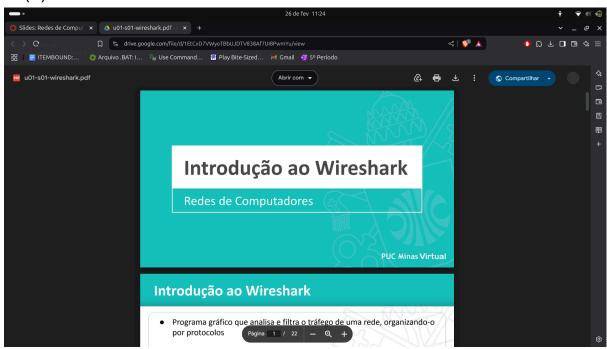
#### Ping no roteador local:

```
F1 ~
                                                                   Q = - ×
                                mateus@mateus-82MD: ~
PING 10.250.01 (10.250.0.1) 56(84) bytes of data.
64 bytes from 10.250.0.1: icmp_seq=1 ttl=255 time=3.57 ms
64 bytes from 10.250.0.1: icmp seq=2 ttl=255 time=8.82 ms
64 bytes from 10.250.0.1: icmp seq=3 ttl=255 time=11.9 ms
64 bytes from 10.250.0.1: icmp seq=4 ttl=255 time=5.15 ms
64 bytes from 10.250.0.1: icmp_seq=5 ttl=255 time=15.0 ms
64 bytes from 10.250.0.1: icmp seq=6 ttl=255 time=7.29 ms
64 bytes from 10.250.0.1: icmp seq=7 ttl=255 time=45.7 ms
^C
--- 10.250.01 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6008ms
rtt min/avg/max/mdev = 3.570/13.922/45.748/13.480 ms
mateus@mateus-82MD:~$ ping 10.250.0.1
PING 10.250.0.1 (10.250.0.1) 56(84) bytes of data.
64 bytes from 10.250.0.1: icmp seq=1 ttl=255 time=3.79 ms
64 bytes from 10.250.0.1: icmp seq=2 ttl=255 time=7.47 ms
64 bytes from 10.250.0.1: icmp seq=3 ttl=255 time=6.26 ms
64 bytes from 10.250.0.1: icmp seq=4 ttl=255 time=4.41 ms
64 bytes from 10.250.0.1: icmp seq=5 ttl=255 time=5.50 ms
^C
--- 10.250.0.1 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4007ms
rtt min/avg/max/mdev = 3.791/5.487/7.472/1.308 ms
```

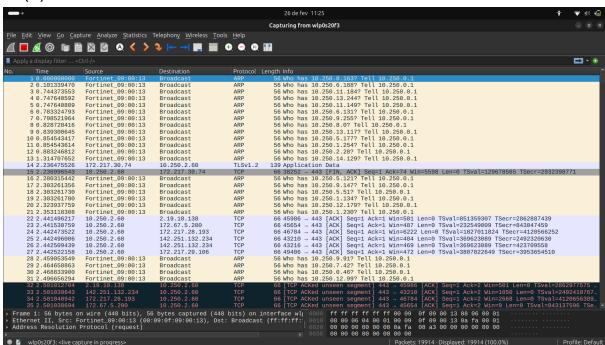
# Ex(2):



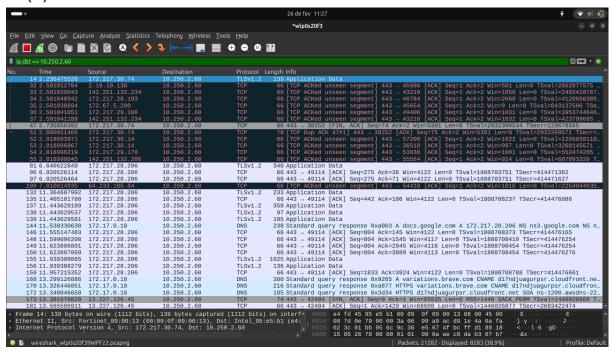
#### Ex(3):



# Ex(4):

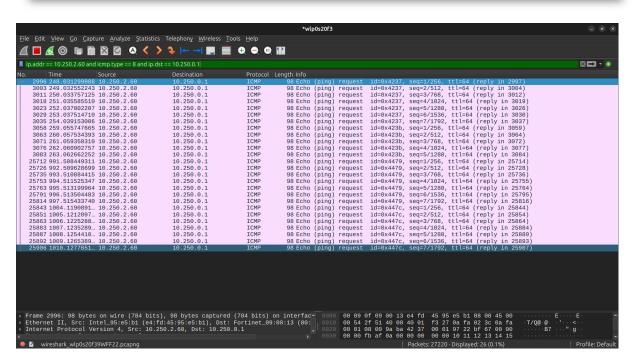


#### Ex(5):



#### Ex(6):

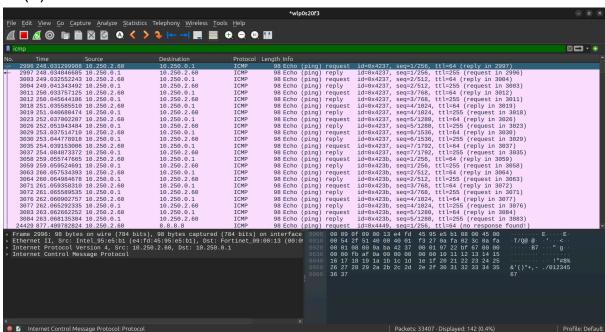
```
mateus@mateus-82MD:-$ ping 10.250.0.1
PING 10.250.0.1 (10.250.0.1) 56(84) bytes of data.
64 bytes from 10.250.0.1: icmp_seq=1 ttl=255 time=8.78 ms
64 bytes from 10.250.0.1: icmp_seq=2 ttl=255 time=19.2 ms
64 bytes from 10.250.0.1: icmp_seq=3 ttl=255 time=8.01 ms
64 bytes from 10.250.0.1: icmp_seq=4 ttl=255 time=4.62 ms
64 bytes from 10.250.0.1: icmp_seq=5 ttl=255 time=7.35 ms
64 bytes from 10.250.0.1: icmp_seq=6 ttl=255 time=7.96 ms
64 bytes from 10.250.0.1: icmp_seq=6 ttl=255 time=7.96 ms
64 bytes from 10.250.0.1: icmp_seq=7 ttl=255 time=4.44 ms
^C
--- 10.250.0.1 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6009ms
rtt min/avg/max/mdev = 4.441/8.621/19.186/4.591 ms
mateus@mateus-82MD:-$
```



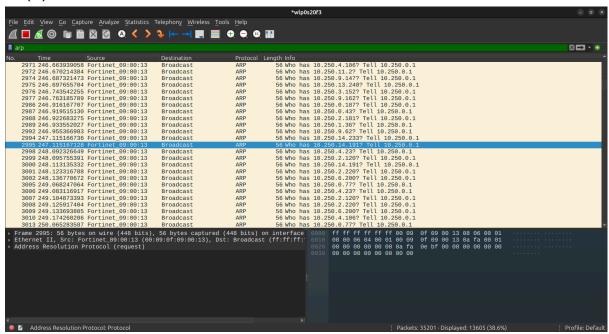
## Exercício (1): Ping em 10.250.2.60:

Pode-se reduzir o comando de filtragem com sucesso, para ip.addr == meu\_ip and ip.dst == 10.250.2.60, devido ao fato de que na aplicação em questão estamos apenas consultando a conexão entre a máquina pessoal e o roteador, portanto, há apenas requisições de ping

# Ex(8):



# Ex(9):



# Exercício (3): ARP

Se executarmos o primeiro comando (arp.opcode == 1), podemos ver as mensagens que o roteador envia para identificar o ip de uma determinada máquina, por meio de um broadcast, para todas as máquinas conectadas. Por outro lado, no segundo comando (arp.opcode == 2), podemos ver as mensagens que a máquina local envia para a rede, se identificando como dono do ip solicitado no primeiro comando.