

EXERCÍCIOS REDES 1

WIRESHARK

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Exercício 1 (ipconfig):

```
C:\Users\gabri>ipconfig

Configuração de IP do Windows

Adaptador Ethernet vEthernet (WSL (Hyper-V firewall)):
```

Sufixo DNS específico de conexão.	:	
Endereço IPv6 de link local	:	fe80::975b:2ada:d02a:57db%41
Endereço IPv4.	:	172.24.192.1
Máscara de Sub-rede	:	255.255.240.0
Gateway Padrão.	:	

```
Adaptador de Rede sem Fio Conexão Local* 1:
```

Estado da mídia.	:	mídia desconectada
Sufixo DNS específico de conexão.	:	

```
Adaptador de Rede sem Fio Conexão Local* 2:
```

Estado da mídia.	:	mídia desconectada
Sufixo DNS específico de conexão.	:	

```
Adaptador de Rede sem Fio Wi-Fi:
```

Estado da mídia.	:	mídia desconectada
Sufixo DNS específico de conexão.	:	

```
Adaptador Ethernet Conexão de Rede Bluetooth:
```

Estado da mídia.	:	mídia desconectada
Sufixo DNS específico de conexão.	:	

```
C:\Users\gabri>
```

Exercício 1.5 (ping):

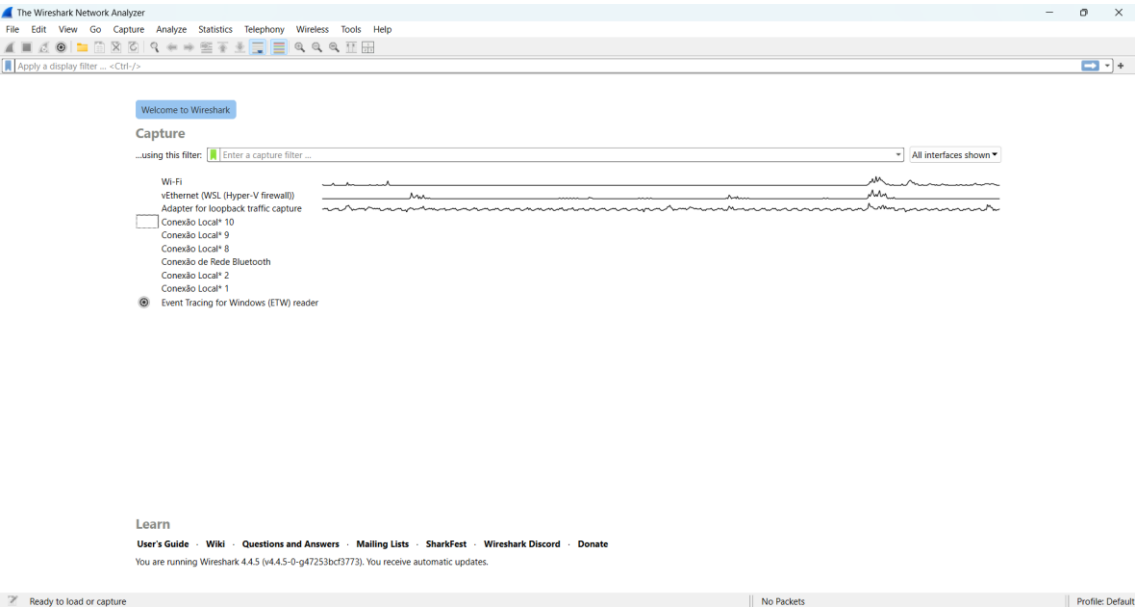
```
C:\Users\gabri>ping 127.0.0.1

Disparando 127.0.0.1 com 32 bytes de dados:
Resposta de 127.0.0.1: bytes=32 tempo<1ms TTL=128
Resposta de 127.0.0.1: bytes=32 tempo<1ms TTL=128
Resposta de 127.0.0.1: bytes=32 tempo<1ms TTL=128
Resposta de 127.0.0.1: bytes=32 tempo<1ms TTL=128

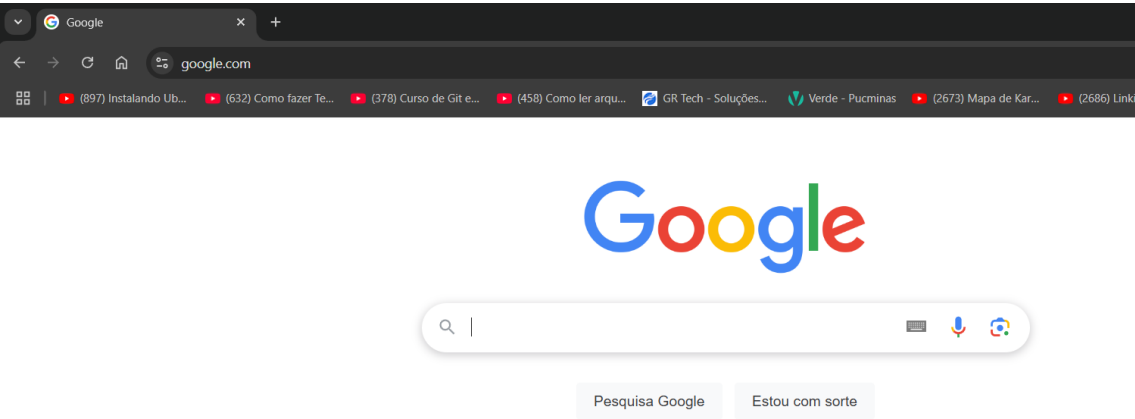
Estatísticas do Ping para 127.0.0.1:
    Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de
        perda),
    Aproximar um número redondo de vezes em milissegundos:
        Mínimo = 0ms, Máximo = 0ms, Média = 0ms

C:\Users\gabri>
```

Exercício 2 (Tela inicial):



Exercício 3 (navegador):



Exercício 4 (wireshark):

The screenshot shows the Wireshark interface with a packet list on the left and a packet details pane on the right. The packet list shows various protocols including TCP, TLSv1.3, and DNS. The packet details pane shows the structure of a packet, including the Ethernet II header, Internet Protocol (IP) header, and the application data payload.

No.	Time	Source	Destination	Protocol	Length	Info
1671	73.448223	10.250.0.196	52.104.139.40	TCP	1514	62483 → 443 [ACK] Seq=8925 Ack=20591 Win=65280 Len=1460 [TCP PDU reassembled in 1672]
1672	73.448223	10.250.0.196	52.104.139.40	TLSv1.3	1479	Application Data
1673	73.643798	172.172.255.218	10.250.0.196	TCP	56	443 → 59552 [ACK] Seq=1117 Ack=198 Win=7750 Len=0
1674	73.676922	52.104.139.40	10.250.0.196	TCP	56	443 → 62483 [ACK] Seq=20591 Ack=11810 Win=4194560 Len=0
1675	73.747518	52.104.139.40	10.250.0.196	TCP	1514	443 → 62483 [ACK] Seq=20591 Ack=11810 Win=4194560 Len=1460 [TCP PDU reassembled in 1678]
1676	73.747518	52.104.139.40	10.250.0.196	TCP	1514	443 → 62483 [ACK] Seq=22051 Ack=11810 Win=4194560 Len=1460 [TCP PDU reassembled in 1678]
1677	73.747518	52.104.139.40	10.250.0.196	TCP	1514	443 → 62483 [ACK] Seq=23511 Ack=11810 Win=4194560 Len=1460 [TCP PDU reassembled in 1678]
1678	73.747518	52.104.139.40	10.250.0.196	TLSv1.3	537	Application Data
1679	73.747805	10.250.0.196	52.104.139.40	TCP	56	62483 → 443 [ACK] Seq=11810 Ack=23511 Win=65280 Len=0
1680	73.748191	10.250.0.196	52.104.139.40	TCP	56	62483 → 443 [ACK] Seq=11810 Ack=25454 Win=65280 Len=0
1681	75.415044	162.159.130.234	10.250.0.196	TLSv1.2	95	Application Data
1682	75.466680	10.250.0.196	162.159.130.234	TCP	54	59288 → 443 [ACK] Seq=52 Ack=1675 Win=255 Len=0
1683	77.031352	162.159.130.234	10.250.0.196	TLSv1.2	159	Application Data
1684	77.075902	10.250.0.196	162.159.130.234	TCP	54	59288 → 443 [ACK] Seq=52 Ack=1780 Win=254 Len=0
1685	77.080818	10.250.0.196	64.233.186.188	TCP	55	[TCP Keep-Alive] 59567 → 5228 [ACK] Seq=1 Ack=1 Win=253 Len=1
1686	77.929679	64.233.186.188	10.250.0.196	TCP	66	[TCP Keep-Alive ACK] 5228 → 59567 [ACK] Seq=1 Ack=2 Win=1046 Len=0 SLE=1 SRE=2
1687	78.952121	10.250.0.196	162.159.130.234	TLSv1.2	105	Application Data
1688	79.058444	162.159.130.234	10.250.0.196	TCP	56	443 → 59288 [ACK] Seq=1780 Ack=103 Len=10 Len=0
1689	79.192334	162.159.130.234	10.250.0.196	TLSv1.2	93	Application Data
1690	79.192521	20.52.64.200	10.250.0.196	TCP	56	443 → 62370 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
1691	79.241984	10.250.0.196	162.159.130.234	TCP	54	59288 → 443 [ACK] Seq=103 Ack=1819 Win=254 Len=0
1692	80.708523	10.250.0.196	172.17.0.18	DNS	91	Standard query 0xc0bf A teams.events.data.microsoft.com
1693	80.708985	10.250.0.196	172.17.0.18	DNS	91	Standard query 0x180f HTTPS teams.events.data.microsoft.com
1694	80.728321	172.17.0.18	10.250.0.196	DNS	546	Standard query response 0xc0bf A teams.events.data.microsoft.com CNAME teams-events-data.trafficmanager.net CNAME onedcolprdcus13...
1695	80.728321	172.17.0.18	10.250.0.196	DNS	258	Standard query response 0x180f HTTPS teams.events.data.microsoft.com CNAME teams-events-data.trafficmanager.net CNAME onedcolprdcu...
1696	80.729901	10.250.0.196	52.182.143.211	TCP	66	58934 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
1697	80.985761	10.250.0.196	52.182.143.211	TCP	66	58936 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM

Frame 1: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface \Device\NPF... (5683C740-54...)
Ethernet II, Src: Fortinet 09:00:13 (00:09:0f:09:00:13), Dst: CloudNetwork_c3:fd:ff (00:41:0e:c3:fd:ff)
Address Resolution Protocol (request)

Exercício 5 (filtro ping):

The screenshot shows the Wireshark interface with a packet list on the left and a packet details pane on the right. The packet list shows various protocols including TCP, TLSv1.3, and DNS. The packet details pane shows the structure of a packet, including the Ethernet II header, Internet Protocol (IP) header, and the application data payload.

No.	Time	Source	Destination	Protocol	Length	Info
38998	360.067122	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
38999	360.067122	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39001	360.067406	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data, Application Data
39002	360.067406	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data, Application Data
39004	360.067914	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39005	360.067914	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39007	360.069077	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39008	360.069077	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39009	360.069077	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39010	360.069175	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39011	360.069175	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data, Application Data
39012	360.069215	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39018	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39019	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39020	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data, Application Data
39021	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39022	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39023	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39024	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39025	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39026	360.130870	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39031	360.143471	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39032	360.143471	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data, Application Data
39033	360.143471	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39034	360.143471	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39035	360.143471	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data
39036	360.143471	172.217.29.37	10.250.0.196	TLSv1.3	1466	Application Data

... 0101 = Header Length: 20 bytes (5)
> Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 1452
Identification: 0x334f (13135)
> 000. = Flags: 0x0
... 0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 123
Protocol: TCP (6)
Header Checksum: 0x0000 (0) (checksum is disabled)

Exercício 6 (filtro ping and icmp):

Wireshark capture showing ICMP Echo (ping) requests and replies between 10.250.0.196 and 10.250.0.1. The filter is `ip.addr == 10.250.0.196 and icmp.type == 8 and ip.dst == 10.250.0.1`.

No.	Time	Source	Destination	Protocol	Length	Info
49382	467.579845	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=25/6400, ttl=128 (reply in 49401)
49552	468.594503	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=26/6656, ttl=128 (reply in 49553)
49564	469.681739	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=27/6912, ttl=128 (reply in 49565)
49574	470.608960	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=28/7168, ttl=128 (reply in 49575)
57780	587.656392	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=29/7424, ttl=128 (reply in 57865)
58125	588.663417	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=30/7680, ttl=128 (reply in 58126)
58129	589.668755	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=31/7936, ttl=128 (reply in 58131)
58133	590.687924	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=32/8192, ttl=128 (reply in 58134)
65871	647.711750	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=33/8448, ttl=128 (reply in 65925)
65978	649.751804	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=34/8704, ttl=128 (reply in 65990)
66352	650.766782	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=35/8960, ttl=128 (reply in 66376)
66705	651.778331	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=36/9216, ttl=128 (reply in 66706)
66727	652.660182	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=37/9472, ttl=128 (reply in 66728)
66732	653.668429	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=38/9728, ttl=128 (reply in 66733)
66736	654.674865	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=39/9984, ttl=128 (reply in 66737)
66750	655.686000	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=40/10240, ttl=128 (reply in 66751)
66970	656.850844	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=41/10496, ttl=128 (reply in 67059)
67374	657.863571	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=42/10752, ttl=128 (reply in 67443)
67524	658.883605	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=43/11008, ttl=128 (reply in 67593)
67746	659.897738	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=44/11264, ttl=128 (reply in 67747)
68035	660.418435	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=45/11520, ttl=128 (reply in 68113)
68326	661.430808	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=46/11776, ttl=128 (reply in 68327)
68352	662.438337	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=47/12032, ttl=128 (reply in 68353)
68377	663.443963	10.250.0.196	10.250.0.1	ICMP	74	Echo (ping) request id=0x0001, seq=48/12288, ttl=128 (reply in 68378)

Packet details for packet 49382 (ICMP Echo (ping) request):

- Header Length: 20 bytes (5)
- Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
- Total Length: 60
- Identification: 0x2d58 (11608)
- Flags: 0x0
- Time to Live: 128
- Protocol: ICMP (1)

Bytes 42-72: Data (data.data)

Packets: 68449 · Displayed: 24 (0.0%)

Exercício 1:

Remover o filtro `icmp.type == 8`, porque o tipo não faz diferença nessa consulta.

Exercício 2:

Só aparece os pacotes que tem o protocolo icmp.

Exercício 7:

Só aparece os pacotes que tem o protocolo arp.

Exercício 3:

Capturing from Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

arp.opcode == 1

No.	Time	Source	Destination	Protocol	Length	Info
1082.	10.27.289960	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1102.	10.27.643846	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1106.	11.14.674907	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1109.	11.14.794406	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1157.	11.85.088247	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1202.	12.22.295553	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1237.	12.51.994803	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1283.	12.86.885241	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1312.	13.16.495749	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1338.	13.46.203774	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1384.	13.75.809807	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1421.	14.05.637980	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1458.	14.35.301997	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1506.	14.64.912137	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1533.	14.94.583850	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1569.	15.24.186194	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1607.	15.49.945698	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1635.	15.75.710197	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1674.	16.01.551936	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1706.	16.27.309703	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1723.	16.53.073421	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1743.	16.78.837333	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1755.	17.04.674461	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1784.	17.30.435904	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1805.	17.56.277228	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1820.	17.82.117552	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1
1837.	18.07.897383	Fortinet_09:00:13	CloudNetwork_c3:fd:ff	ARP	56	Who has 10.250.0.196? Tell 10.250.0.1

> Frame 156950: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface \Device\NPF_{5683C...} Ethernet II, Src: Fortinet_09:00:13 (00:09:0f:09:00:13), Dst: CloudNetwork_c3:fd:ff (00:41:0e:c3:fd:ff)

> Address Resolution Protocol (request)

wireshark-Wi-Fi0GME22.pcapng

Packets: 183862 - Displayed: 55 (0.0%)

Profile: Default

Capturing from Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

arp.opcode == 2

No.	Time	Source	Destination	Protocol	Length	Info
1102.	10.27.461894	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1106.	11.14.674982	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1109.	11.14.794458	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1157.	11.85.088379	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1202.	12.22.295588	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1237.	12.51.994860	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1283.	12.86.885293	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1312.	13.16.495794	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1338.	13.46.203855	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1384.	13.75.809881	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1421.	14.05.638067	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1458.	14.35.302049	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1506.	14.64.912189	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1533.	14.94.583891	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1569.	15.24.186235	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1607.	15.49.945764	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1635.	15.75.710271	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1674.	16.01.551999	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1706.	16.27.309756	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1723.	16.53.073473	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1743.	16.78.837378	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1755.	17.04.674535	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1784.	17.30.435947	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1805.	17.56.277310	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1820.	17.82.117602	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1837.	18.07.897468	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff
1868.	18.47.781313	CloudNetwork_c3:fd:ff	Fortinet_09:00:13	ARP	42	10.250.0.196 is at 00:41:0e:c3:fd:ff

> Frame 183736: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{5683C...} Ethernet II, Src: CloudNetwork_c3:fd:ff (00:41:0e:c3:fd:ff), Dst: Fortinet_09:00:13 (00:09:0f:09:00:13)

> Address Resolution Protocol (reply)

wireshark-Wi-Fi0GME22.pcapng

Packets: 188177 - Displayed: 56 (0.0%)

Profile: Default

A tabela source e a tabela Destination se invertem ao mudar o filtro arp.opcode.