INSTITUTO TECNOLOGICO DE CANCUN

Nombre De La Materia: Fundamentos De Telecomunicaciones

Nombre De La Unidad: Sistemas de comunicación

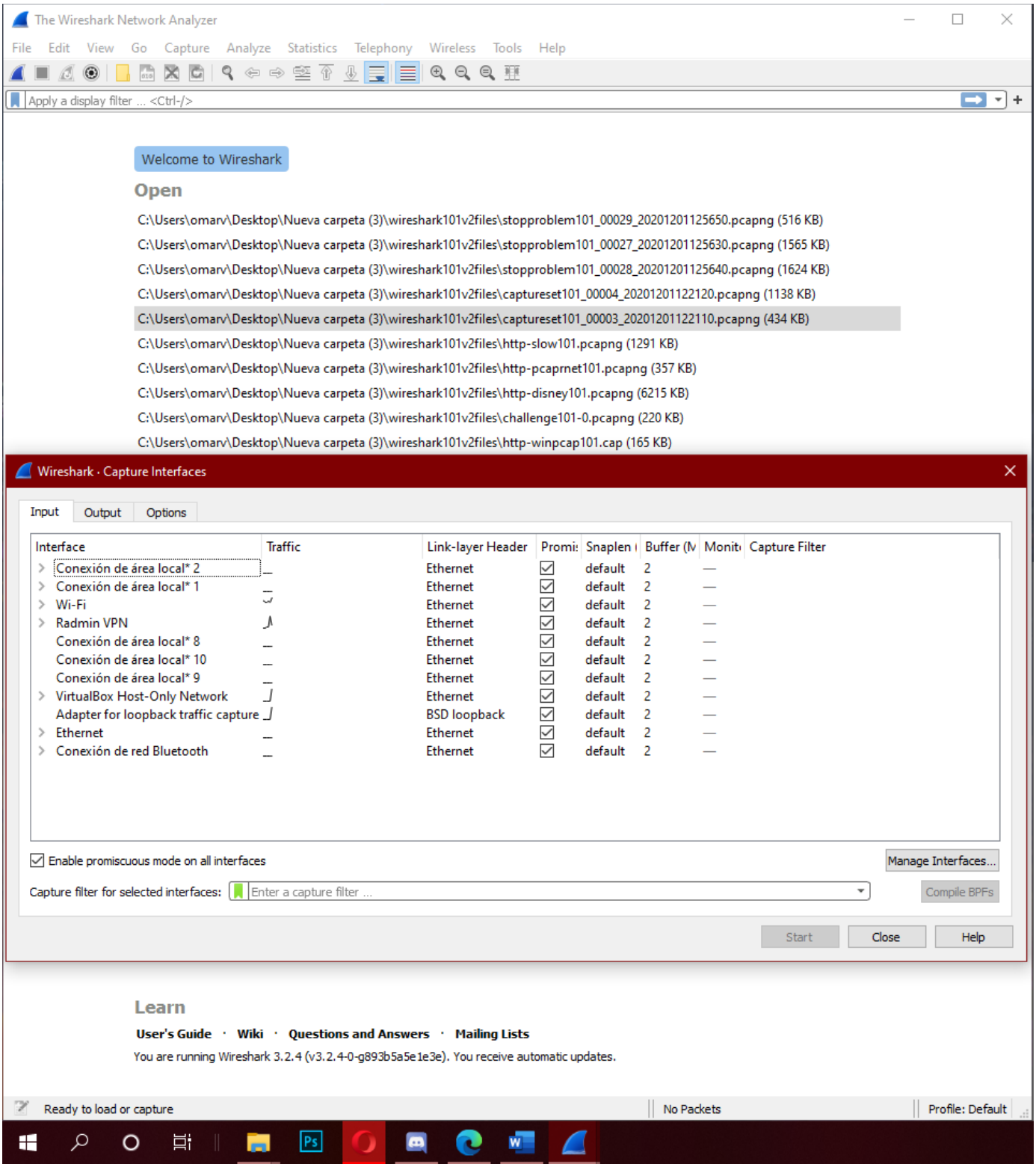
N.º De Actividad: Laboratorio 11

Nombre Del Alumno: Vazquez Canto Andres Omar

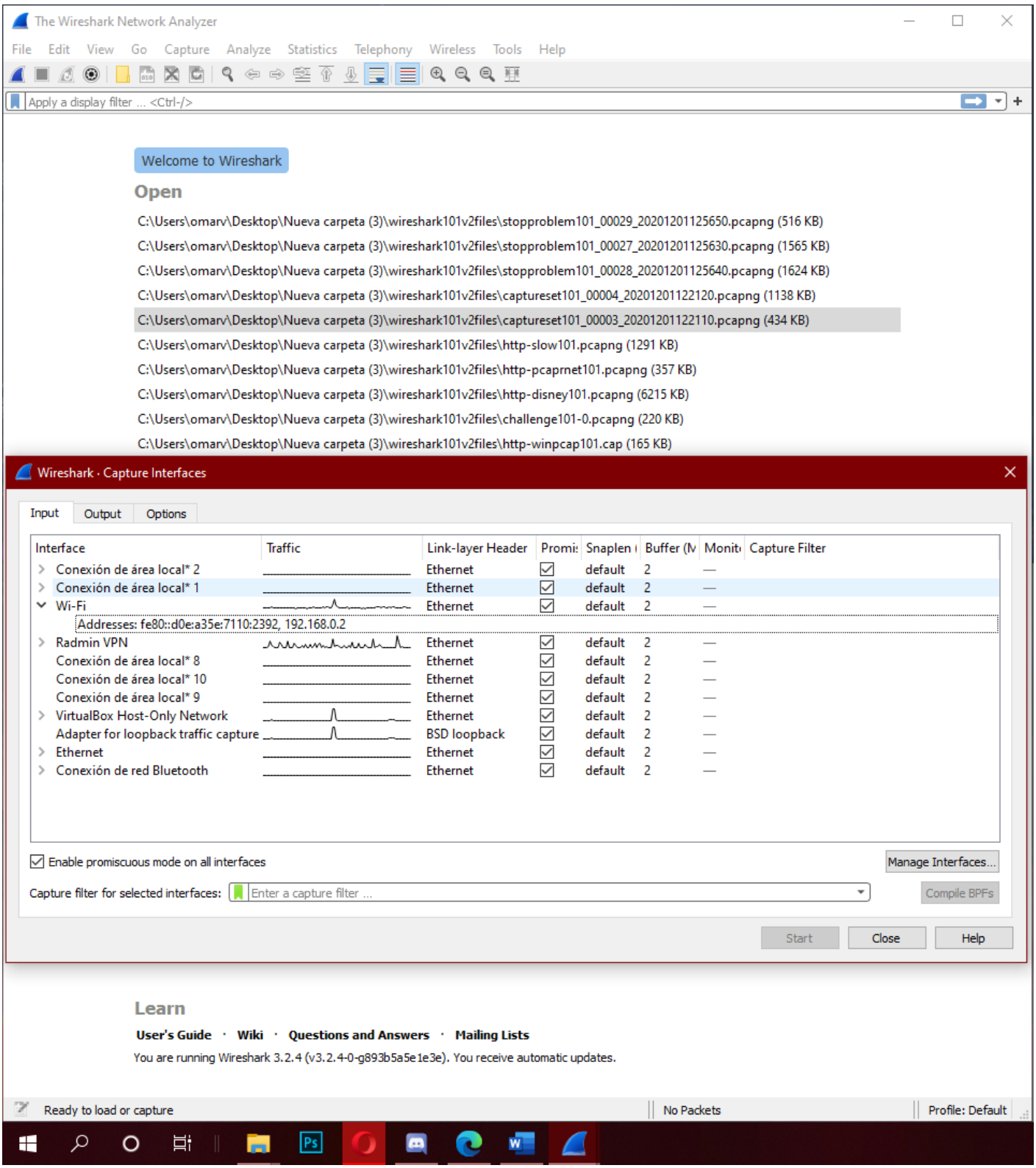
N.º De Control: 17530439

Lab11- Capture Only Traffic to or from Your IP Address

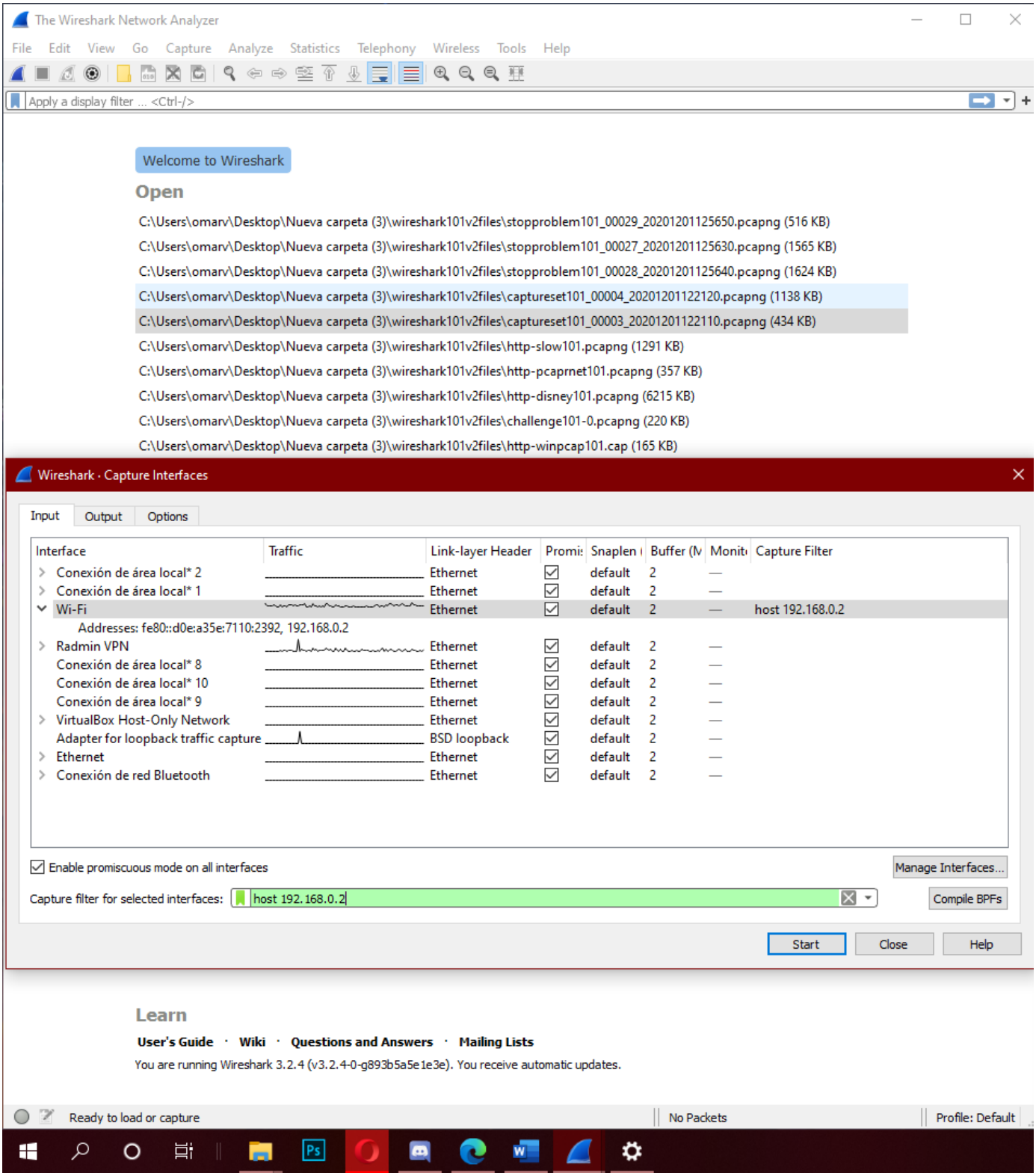
Paso 1:



Paso 2:


The Wireshark Network Analyzer
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Welcome to Wireshark
Open
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00029_20201201125650.pcapng (516 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00027_20201201125630.pcapng (1565 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00028_20201201125640.pcapng (1624 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\captureset101_00004_20201201122120.pcapng (1138 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\captureset101_00003_20201201122110.pcapng (434 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-slow101.pcapng (1291 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-pcaprnet101.pcapng (357 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-disney101.pcapng (6215 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\challenge101-0.pcapng (220 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-winpcap101.cap (165 KB)
Wireshark · Capture Interfaces
Input Output Options
Interface Traffic Link-layer Header Promi: Snaplen Buffer (M Monit Capture Filter
Conexión de área local* 2 Ethernet default 2
Conexión de área local* 1 Ethernet default 2
Wi-Fi Ethernet default 2
Addresses: fe80::d0e:a35e:7110:2392, 192.168.0.2
Radmin VPN Ethernet default 2
Conexión de área local* 8 Ethernet default 2
Conexión de área local* 10 Ethernet default 2
Conexión de área local* 9 Ethernet default 2
VirtualBox Host-Only Network Ethernet default 2
Adapter for loopback traffic capture BSD loopback default 2
Ethernet Ethernet default 2
Conexión de red Bluetooth Ethernet default 2
Enable promiscuous mode on all interfaces
Manage Interfaces...
Capture filter for selected interfaces: Enter a capture filter ...
Compile BPFs
Start Close Help
Learn
User's Guide · Wiki · Questions and Answers · Mailing Lists
You are running Wireshark 3.2.4 (v3.2.4-0-g893b5a5e1e3e). You receive automatic updates.
Ready to load or capture
No Packets
Profile: Default

Paso 3:


The Wireshark Network Analyzer
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
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Welcome to Wireshark
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C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00029_20201201125650.pcapng (516 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00027_20201201125630.pcapng (1565 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00028_20201201125640.pcapng (1624 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\captureset101_00004_20201201122120.pcapng (1138 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\captureset101_00003_20201201122110.pcapng (434 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-slow101.pcapng (1291 KB)
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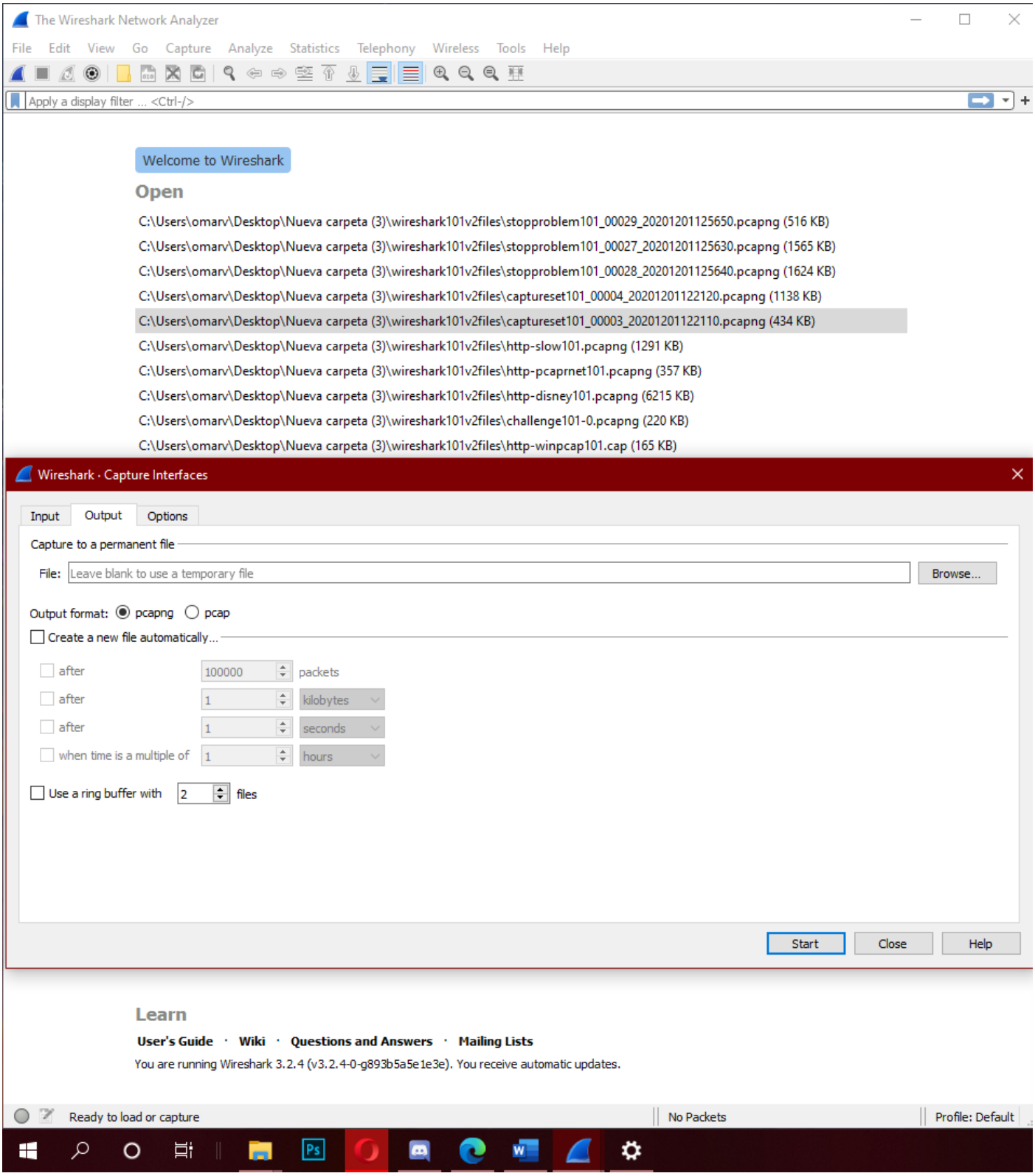
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-winpcap101.cap (165 KB)
Wireshark · Capture Interfaces
Input Output Options
Interface Traffic Link-layer Header Promi: Snaplen (Buffer (M Monit Capture Filter
Conexión de área local* 2 Ethernet default 2
Conexión de área local* 1 Ethernet default 2
Wi-Fi Ethernet default 2 host 192.168.0.2
Addresses: fe80::d0e:a35e:7110:2392, 192.168.0.2
Radmin VPN Ethernet default 2
Conexión de área local* 8 Ethernet default 2
Conexión de área local* 10 Ethernet default 2
Conexión de área local* 9 Ethernet default 2
VirtualBox Host-Only Network Ethernet default 2
Adapter for loopback traffic capture BSD loopback default 2
Ethernet Ethernet default 2
Conexión de red Bluetooth Ethernet default 2
Enable promiscuous mode on all interfaces
Manage Interfaces...
Capture filter for selected interfaces: host 192.168.0.2
Compile BPFs
Start Close Help
Learn
User's Guide · Wiki · Questions and Answers · Mailing Lists
You are running Wireshark 3.2.4 (v3.2.4-0-g893b5a5e1e3e). You receive automatic updates.
Ready to load or capture
No Packets
Profile: Default

Paso 4:


The Wireshark Network Analyzer
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Welcome to Wireshark
Open
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00029_20201201125650.pcapng (516 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00027_20201201125630.pcapng (1565 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\stopproblem101_00028_20201201125640.pcapng (1624 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\captureset101_00004_20201201122120.pcapng (1138 KB)
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\captureset101_00003_20201201122110.pcapng (434 KB)
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C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-pcaprnet101.pcapng (357 KB)
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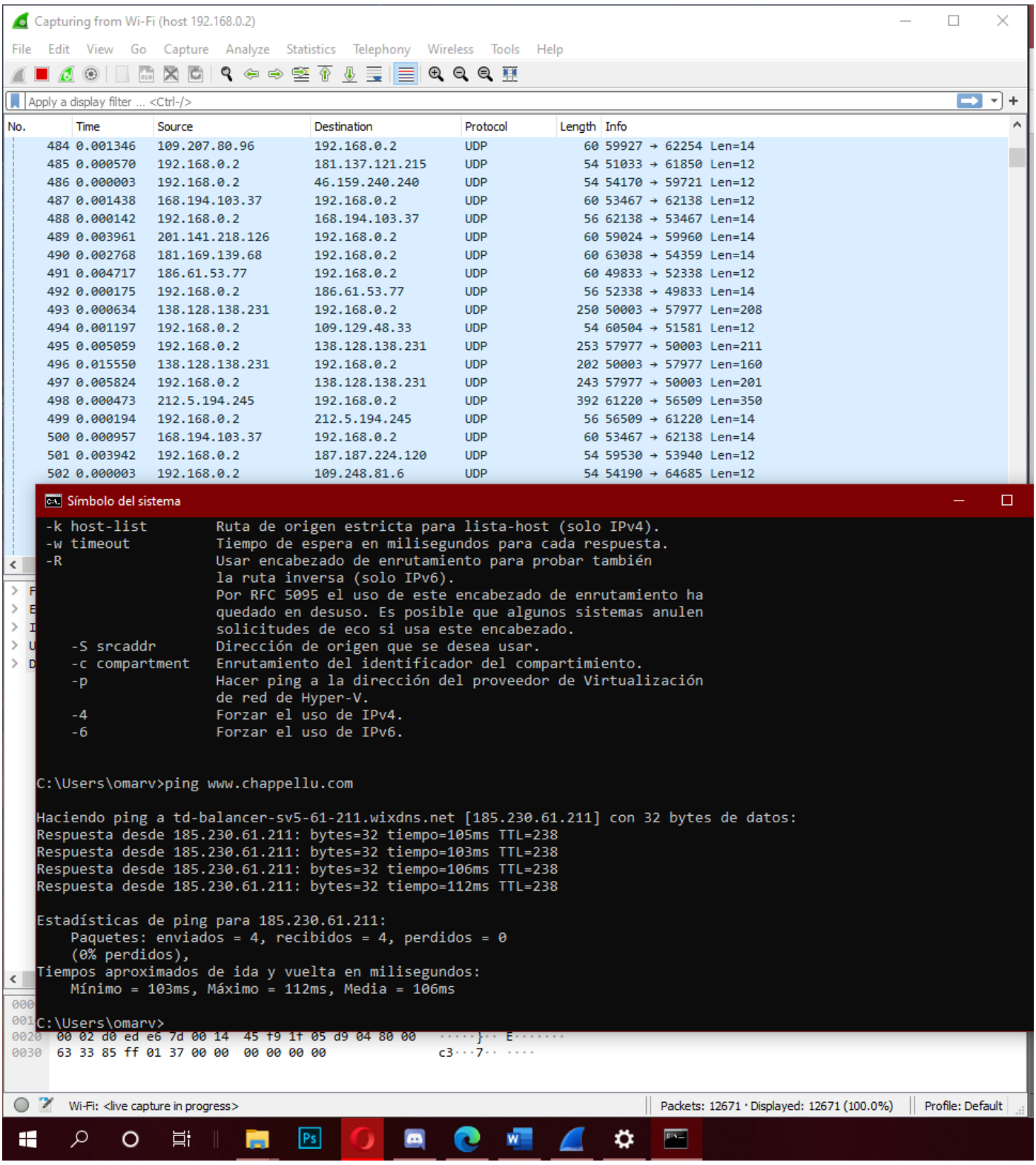
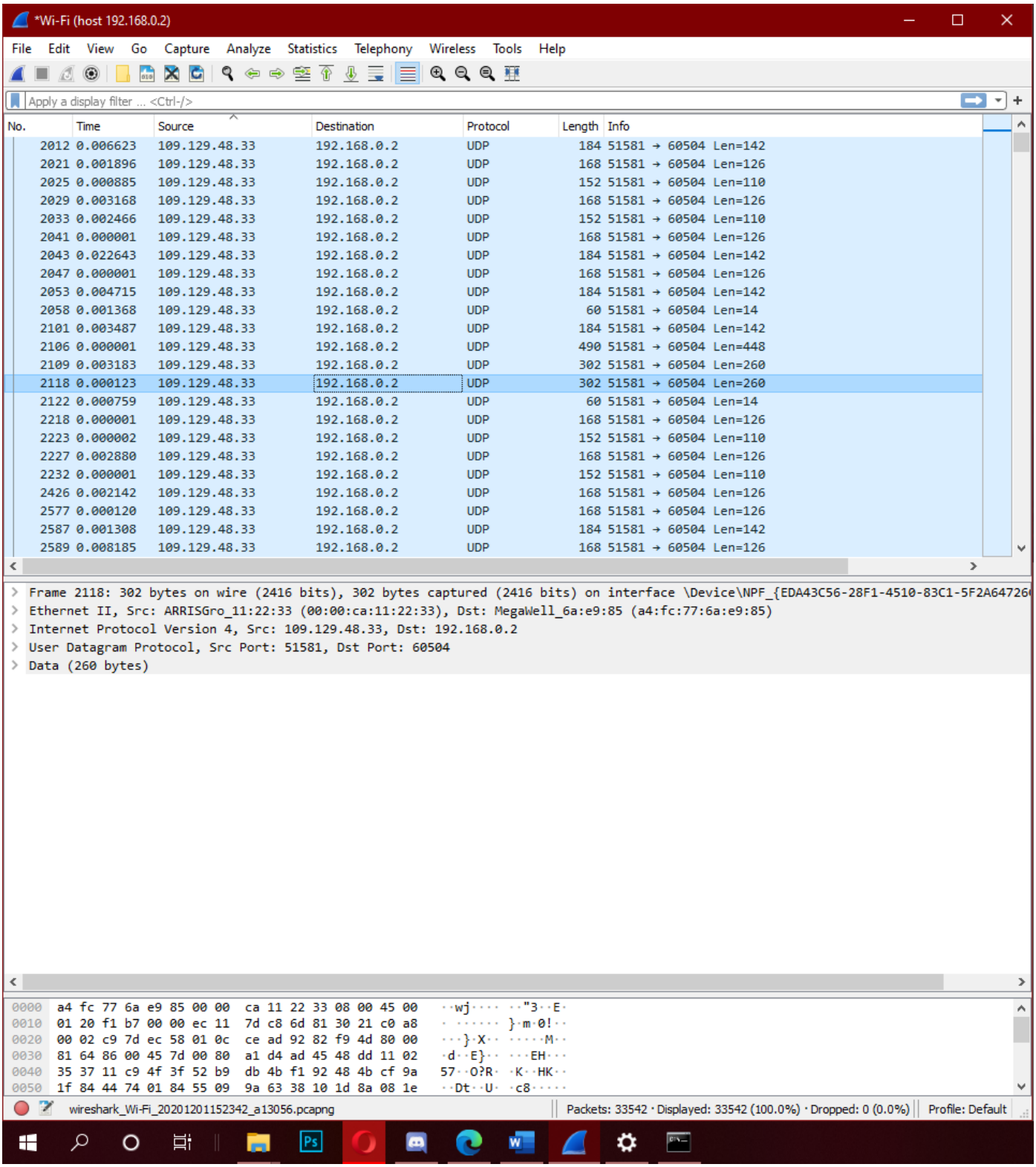
C:\Users\omarv\Desktop\Nueva carpeta (3)\wireshark101v2files\http-winpcap101.cap (165 KB)
Wireshark · Capture Interfaces
Input Output Options
Capture to a permanent file
File: Leave blank to use a temporary file
Browse...
Output format: pcapng pcap
Create a new file automatically...
after 100000 packets
after 1 kilobytes
after 1 seconds
when time is a multiple of 1 hours
Use a ring buffer with 2 files
Start Close Help
Learn
User's Guide · Wiki · Questions and Answers · Mailing Lists
You are running Wireshark 3.2.4 (v3.2.4-0-g893b5a5e1e3e). You receive automatic updates.
Ready to load or capture
No Packets
Profile: Default

Paso 5:


Capturing from Wi-Fi (host 192.168.0.2)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
484 0.001346 109.207.80.96 192.168.0.2 UDP 60 59927 → 62254 Len=14
485 0.000570 192.168.0.2 181.137.121.215 UDP 54 51033 → 61850 Len=12
486 0.000003 192.168.0.2 46.159.240.240 UDP 54 54170 → 59721 Len=12
487 0.001438 168.194.103.37 192.168.0.2 UDP 60 53467 → 62138 Len=12
488 0.000142 192.168.0.2 168.194.103.37 UDP 56 62138 → 53467 Len=14
489 0.003961 201.141.218.126 192.168.0.2 UDP 60 59024 → 59960 Len=14
490 0.002768 181.169.139.68 192.168.0.2 UDP 60 63038 → 54359 Len=14
491 0.004717 186.61.53.77 192.168.0.2 UDP 60 49833 → 52338 Len=12
492 0.000175 192.168.0.2 186.61.53.77 UDP 56 52338 → 49833 Len=14
493 0.000634 138.128.138.231 192.168.0.2 UDP 250 50003 → 57977 Len=208
494 0.001197 192.168.0.2 109.129.48.33 UDP 54 60504 → 51581 Len=12
495 0.005059 192.168.0.2 138.128.138.231 UDP 253 57977 → 50003 Len=211
496 0.015550 138.128.138.231 192.168.0.2 UDP 202 50003 → 57977 Len=160
497 0.005824 192.168.0.2 138.128.138.231 UDP 243 57977 → 50003 Len=201
498 0.000473 212.5.194.245 192.168.0.2 UDP 392 61220 → 56509 Len=350
499 0.000194 192.168.0.2 212.5.194.245 UDP 56 56509 → 61220 Len=14
500 0.000957 168.194.103.37 192.168.0.2 UDP 60 53467 → 62138 Len=14
501 0.003942 192.168.0.2 187.187.224.120 UDP 54 59530 → 53940 Len=12
502 0.000003 192.168.0.2 109.248.81.6 UDP 54 54190 → 64685 Len=12
Símbolo del sistema
-k host-list Ruta de origen estricta para lista-host (solo IPv4).
-w timeout Tiempo de espera en milisegundos para cada respuesta.
-R Usar encabezado de enrutamiento para probar también
la ruta inversa (solo IPv6).
Por RFC 5095 el uso de este encabezado de enrutamiento ha
quedado en desuso. Es posible que algunos sistemas anulen
solicitudes de eco si usa este encabezado.
-S srcaddr Dirección de origen que se desea usar.
-c compartment Enrutamiento del identificador del compartimiento.
-p Hacer ping a la dirección del proveedor de Virtualización
de red de Hyper-V.
-4 Forzar el uso de IPv4.
-6 Forzar el uso de IPv6.
C:\Users\omarv>ping www.chappellu.com
Haciendo ping a td-balancer-sv5-61-211.wixdns.net [185.230.61.211] con 32 bytes de datos:
Respuesta desde 185.230.61.211: bytes=32 tiempo=105ms TTL=238
Respuesta desde 185.230.61.211: bytes=32 tiempo=103ms TTL=238
Respuesta desde 185.230.61.211: bytes=32 tiempo=106ms TTL=238
Respuesta desde 185.230.61.211: bytes=32 tiempo=112ms TTL=238
Estadísticas de ping para 185.230.61.211:
Paquetes: enviados = 4, recibidos = 4, perdidos = 0
(0% perdidos),
Tiempos aproximados de ida y vuelta en milisegundos:
Mínimo = 103ms, Máximo = 112ms, Media = 106ms
C:\Users\omarv>
0020 00 02 d0 ed e6 7d 00 14 45 f9 1f 05 d9 04 80 00
0030 63 33 85 ff 01 37 00 00 00 00 00 00
Wi-Fi: <live capture in progress>
Packets: 12671 · Displayed: 12671 (100.0%)
Profile: Default

Paso 6:


*Wi-Fi (host 192.168.0.2)
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
2012 0.006623 109.129.48.33 192.168.0.2 UDP 184 51581 → 60504 Len=142
2021 0.001896 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2025 0.000885 109.129.48.33 192.168.0.2 UDP 152 51581 → 60504 Len=110
2029 0.003168 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2033 0.002466 109.129.48.33 192.168.0.2 UDP 152 51581 → 60504 Len=110
2041 0.000001 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2043 0.022643 109.129.48.33 192.168.0.2 UDP 184 51581 → 60504 Len=142
2047 0.000001 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2053 0.004715 109.129.48.33 192.168.0.2 UDP 184 51581 → 60504 Len=142
2058 0.001368 109.129.48.33 192.168.0.2 UDP 60 51581 → 60504 Len=14
2101 0.003487 109.129.48.33 192.168.0.2 UDP 184 51581 → 60504 Len=142
2106 0.000001 109.129.48.33 192.168.0.2 UDP 490 51581 → 60504 Len=448
2109 0.003183 109.129.48.33 192.168.0.2 UDP 302 51581 → 60504 Len=260
2118 0.000123 109.129.48.33 192.168.0.2 UDP 302 51581 → 60504 Len=260
2122 0.000759 109.129.48.33 192.168.0.2 UDP 60 51581 → 60504 Len=14
2218 0.000001 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2223 0.000002 109.129.48.33 192.168.0.2 UDP 152 51581 → 60504 Len=110
2227 0.002880 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2232 0.000001 109.129.48.33 192.168.0.2 UDP 152 51581 → 60504 Len=110
2426 0.002142 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2577 0.000120 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
2587 0.001308 109.129.48.33 192.168.0.2 UDP 184 51581 → 60504 Len=142
2589 0.008185 109.129.48.33 192.168.0.2 UDP 168 51581 → 60504 Len=126
Frame 2118: 302 bytes on wire (2416 bits), 302 bytes captured (2416 bits) on interface \Device\NPF_{EDA43C56-28F1-4510-83C1-5F2A64726
Ethernet II, Src: ARRISGro_11:22:33 (00:00:ca:11:22:33), Dst: MegaWell_6a:e9:85 (a4:fc:77:6a:e9:85)
Internet Protocol Version 4, Src: 109.129.48.33, Dst: 192.168.0.2
User Datagram Protocol, Src Port: 51581, Dst Port: 60504
Data (260 bytes)
0000 a4 fc 77 6a e9 85 00 00 ca 11 22 33 08 00 45 00
0010 01 20 f1 b7 00 00 ec 11 7d c8 6d 81 30 21 c0 a8
0020 00 02 c9 7d ec 58 01 0c ce ad 92 82 f9 4d 80 00
0030 81 64 86 00 45 7d 00 80 a1 d4 ad 45 48 dd 11 02
0040 35 37 11 c9 4f 3f 52 b9 db 4b f1 92 48 4b cf 9a
0050 1f 84 44 74 01 84 55 09 9a 63 38 10 1d 8a 08 1e
wireshark_Wi-Fi_20201201152342_a13056.pcapng
Packets: 33542 · Displayed: 33542 (100.0%) · Dropped: 0 (0.0%)
Profile: Default