

INSTITUTO TECNOLÓGICO DE CANCUN



Nombre De La Materia: Fundamentos De Telecomunicaciones

Nombre De La Unidad: Sistemas de comunicación

N.º De Actividad: Laboratorio 5

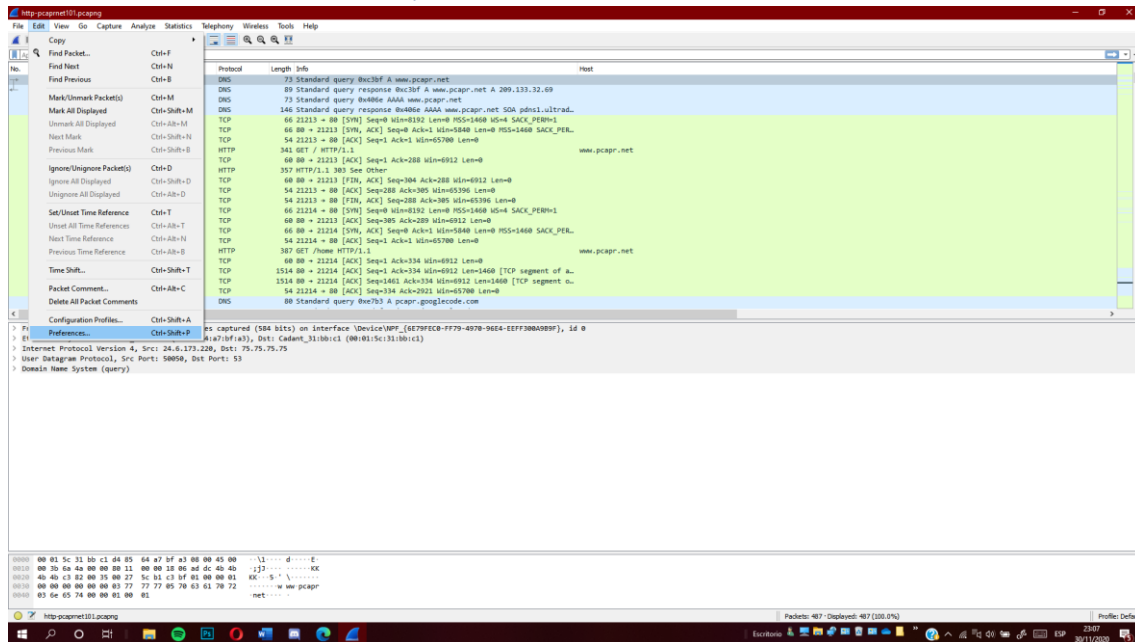
Nombre Del Alumno: Vazquez Canto Andres Omar

N.º De Control: 17530439

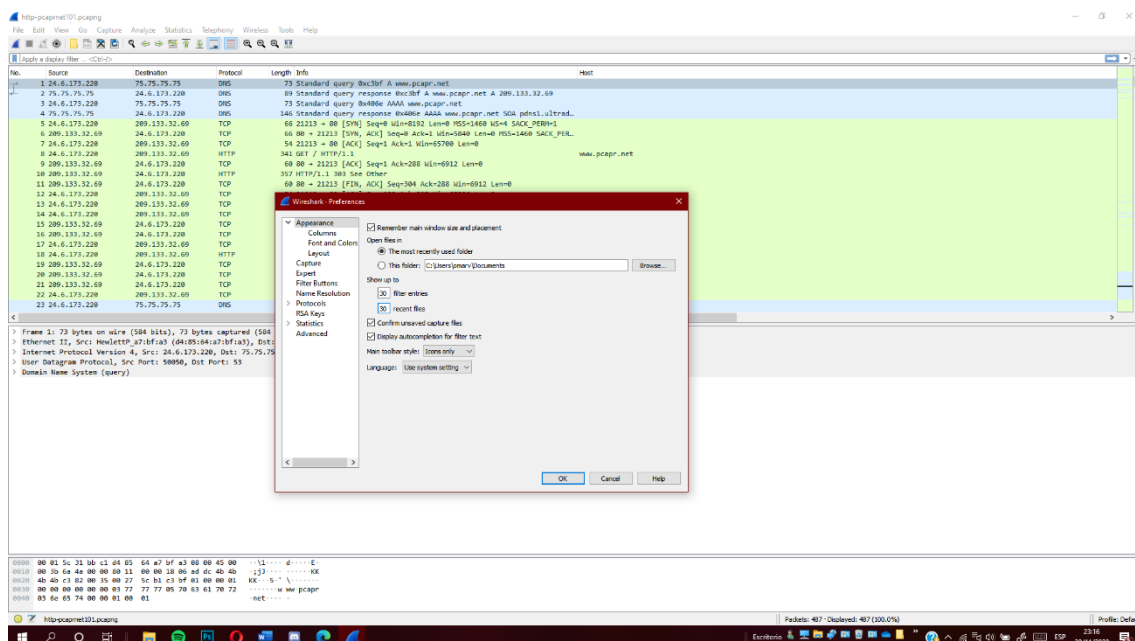
Lab 5: set key wireshark preferences

Paso 1: Abrir http-pcaprnet/101.pcapng

Paso 2: Seleccionar Edit/Preferences



Paso 3:



Paso 4: darle ok

Paso 5:

The screenshot shows the Wireshark network protocol analyzer interface. The main packet list displays 23 captured packets. The first packet is an Ethernet II frame from source 24.6.173.220 to destination 75.75.75.75, containing a DNS standard query. A right-click context menu is open over the 'Ethernet II' field of the first packet. The menu options include 'Expand Subtrees', 'Collapse Subtrees', 'Expand All', 'Collapse All', 'Apply as Column', 'Apply as Filter', 'Prepare as Filter', 'Conversation Filter', 'Colorize with Filter', 'Follow', 'Copy', 'Show Packet Bytes...', 'Export Packet Bytes...', 'Wiki Protocol Page', 'Filter Field Reference', 'Protocol Preferences', 'Decode As...', 'Go to Linked Packet', and 'Show Linked Packet in New Window'. The 'Protocol Preferences' option is highlighted. A secondary dialog box, 'Ethernet II (eth), 14 bytes', is open, showing various configuration options. The 'Assume short frames which include a trailer contain padding' checkbox is checked. Other options include 'Fixed ethernet trailer length: 0...', 'Assume packets have FCS', 'Validate the Ethernet checksum if possible', 'Attempt to interpret as FireWall-1 monitor file', 'Skip bytes 1-6 if identical to 7-12', 'CCSDS Length in header matches payload size', 'CCSDS Version # is zero', 'CCSDS Secondary Header Flag is set', 'CCSDS Spare bit is cleared', 'Ethernet UDP port: 0...', and 'Disable Ethernet...'. The bottom status bar shows 'Ethernet (eth), 14 bytes'.

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220	75.75.75.75	DNS	73	Standard query 0xc3bf A www.pcapr.net
2	75.75.75.75	24.6.173.220	DNS	89	Standard query response 0xc3bf A www.pcapr.net A 209.133.32.6
3	24.6.173.220	75.75.75.75	DNS	73	Standard query 0x406e AAAA www.pcapr.net
4	75.75.75.75	24.6.173.220	DNS	146	Standard query response 0x406e AAAA www.pcapr.net SOA pdns1.u
5	24.6.173.220	209.133.32.69	TCP	66	21213 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
6	209.133.32.69	24.6.173.220	TCP	66	80 → 21213 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SAC
7	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8	24.6.173.220	209.133.32.69	HTTP	341	GET / HTTP/1.1
9	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=1 Ack=288 Win=6912 Len=0
10	209.133.32.69	24.6.173.220	HTTP	357	HTTP/1.1 303 See Other
11	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [FIN, ACK] Seq=304 Ack=288 Win=6912 Len=0
12	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=288 Ack=305 Win=65396 Len=0
13	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [FIN, ACK] Seq=288 Ack=305 Win=65396 Len=0
14	24.6.173.220	209.133.32.69	TCP	66	21214 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
15	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=305 Ack=289 Win=6912 Len=0
16	209.133.32.69	24.6.173.220	TCP	66	80 → 21214 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SAC
17	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
18	24.6.173.220	209.133.32.69	HTTP	387	GET /home HTTP/1.1
19	209.133.32.69	24.6.173.220	TCP	60	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=0
20	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=1460 [TCP segment
21	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1461 Ack=334 Win=6912 Len=1460 [TCP segm
22	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=334 Ack=2921 Win=65700 Len=0
23	24.6.173.220	75.75.75.75	DNS	80	Standard query 0xe7b3 A pcapr.googlecode.com

Paso 6:

http-pcapnet101.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220	75.75.75.75	DNS	73	Standard query 0xc3bf A www.pcapr.net
2	75.75.75.75	24.6.173.220	DNS	89	Standard query response 0xc3bf A www.pcapr.net A 209.133.32.6
3	24.6.173.220	75.75.75.75	DNS	73	Standard query 0x406e AAAA www.pcapr.net
4	75.75.75.75	24.6.173.220	DNS	146	Standard query response 0x406e AAAA www.pcapr.net SOA pdns1.u
5	24.6.173.220	209.133.32.69	TCP	66	21213 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
6	209.133.32.69	24.6.173.220	TCP	66	80 → 21213 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SAC
7	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8	24.6.173.220	209.133.32.69	HTTP	341	GET / HTTP/1.1
9	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=1 Ack=288 Win=6912 Len=0
10	209.133.32.69	24.6.173.220	HTTP	357	HTTP/1.1 303 See Other
11	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [FIN, ACK] Seq=304 Ack=288 Win=6912 Len=0
12	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=288 Ack=305 Win=65396 Len=0
13	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [FIN, ACK] Seq=288 Ack=305 Win=65396 Len=0
14	24.6.173.220	209.133.32.69	TCP	66	21214 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
15	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=305 Ack=289 Win=6912 Len=0
16	209.133.32.69	24.6.173.220	TCP	66	80 → 21214 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SAC
17	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
18	24.6.173.220	209.133.32.69	HTTP	387	GET /home HTTP/1.1
19	209.133.32.69	24.6.173.220	TCP	60	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=0
20	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=1460 [TCP segment
21	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1461 Ack=334 Win=6912 Len=1460 [TCP segm
22	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=334 Ack=2921 Win=65700 Len=0
23	24.6.173.220	75.75.75.75	DNS	80	Standard query 0xe7b3 A pcapr.googlecode.com

> Frame 1: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface \Device\NPF_{6E79FEC0-FF79-4970-96E4-EEFF300A9B9F},
 > Ethernet II, Src: HewlettP_a7:bf:a3 (d4:85:64:a7:bf:a3), Dst: Cadant_31:bb:c1 (00:01:5c:31:bb:c1)
 > Internet Protocol Version 4, Src: 24.6.173.220, Dst: 75.75.75.75
 > User Datagram Protocol, Src Port: 5060, Dst Port: 80
 > Domain Name System (query)

Expand Subtrees
 Collapse Subtrees
 Expand All
 Collapse All
 Apply as Column Ctrl+Shift+I
 Apply as Filter
 Prepare as Filter
 Conversation Filter
 Colorize with Filter
 Follow
 Copy
 Show Packet Bytes... Ctrl+Shift+O
 Export Packet Bytes... Ctrl+Shift+X
 Wiki Protocol Page
 Filter Field Reference
 Protocol Preferences
 Decode As...
 Go to Linked Packet
 Show Linked Packet in New Window

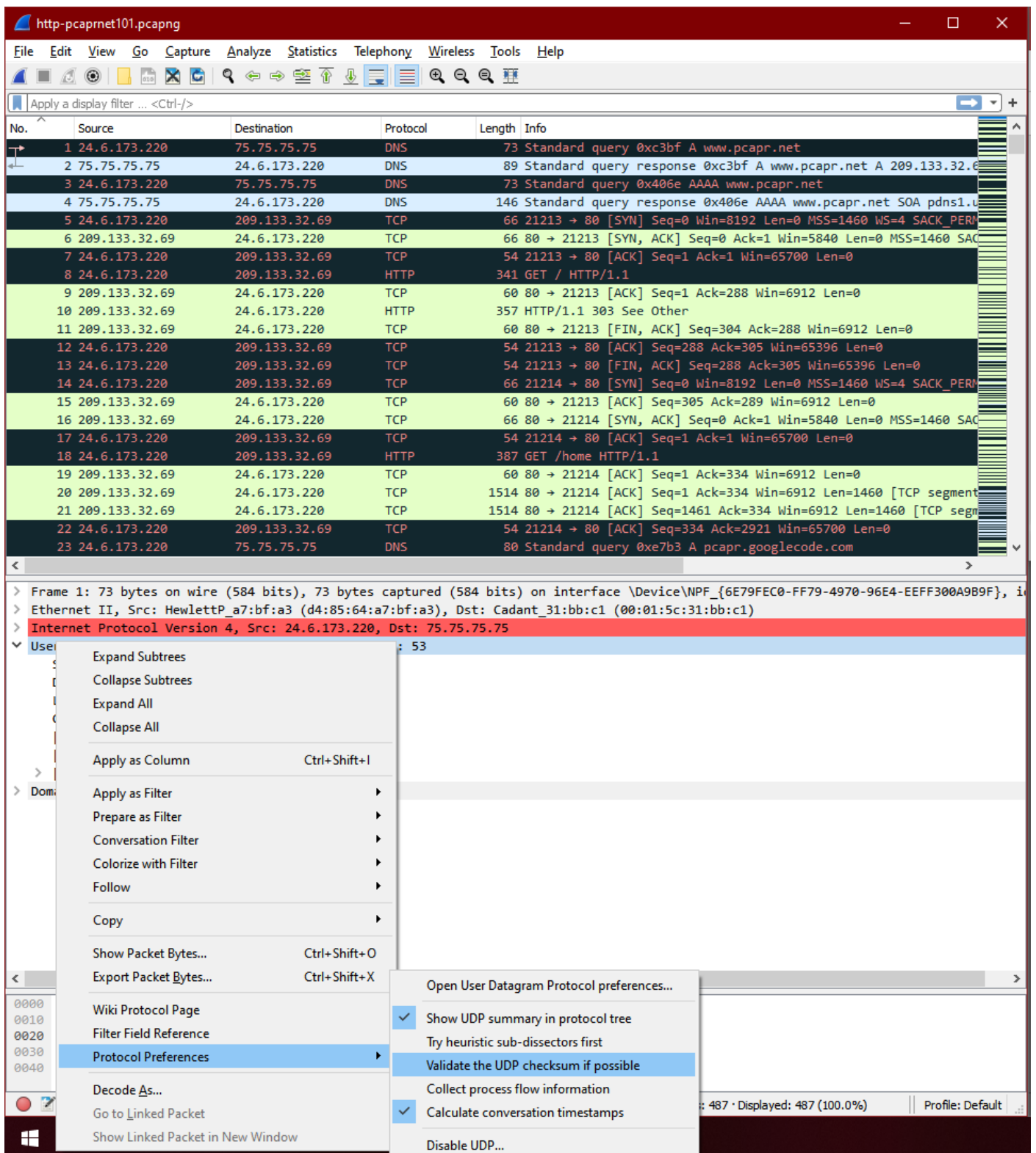
Open Internet Protocol Version 4 preferences...

- ☒ Decode IPv4 TOS field as DiffServ field
- ☒ Reassemble fragmented IPv4 datagrams
- ☒ Show IPv4 summary in protocol tree
- ☒ Validate the IPv4 checksum if possible
- ☒ Support packet-capture from IP TSO-enabled hardware
- ☒ Enable IPv4 geolocation
- ☐ Interpret Reserved flag as Security flag (RFC 3514)
- ☐ Try heuristic sub-dissectors first
- IPv4 UDP port: 0...
- ☐ Disable IPv4...

0000 00 01 5c 31 bb c1 d4 85 64 a7 bf
 0010 00 3b 6a 4a 00 00 80 11 00 00 18
 0020 4b 4b c3 82 00 35 00 27 5c b1 c3
 0030 00 00 00 00 00 00 03 77 77 77 05
 0040 03 6e 65 74 00 00 01 00 01

Internet Protocol Version 4 (p), 20 byte(s)

Paso 7:



http-pcapnet101.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220	75.75.75.75	DNS	73	Standard query 0xc3bf A www.pcapr.net
2	75.75.75.75	24.6.173.220	DNS	89	Standard query response 0xc3bf A www.pcapr.net A 209.133.32.69
3	24.6.173.220	75.75.75.75	DNS	73	Standard query 0x406e AAAA www.pcapr.net
4	75.75.75.75	24.6.173.220	DNS	146	Standard query response 0x406e AAAA www.pcapr.net SOA pdns1.u
5	24.6.173.220	209.133.32.69	TCP	66	21213 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
6	209.133.32.69	24.6.173.220	TCP	66	80 → 21213 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK
7	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8	24.6.173.220	209.133.32.69	HTTP	341	GET / HTTP/1.1
9	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=1 Ack=288 Win=6912 Len=0
10	209.133.32.69	24.6.173.220	HTTP	357	HTTP/1.1 303 See Other
11	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [FIN, ACK] Seq=304 Ack=288 Win=6912 Len=0
12	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=288 Ack=305 Win=65396 Len=0
13	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [FIN, ACK] Seq=288 Ack=305 Win=65396 Len=0
14	24.6.173.220	209.133.32.69	TCP	66	21214 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
15	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=305 Ack=289 Win=6912 Len=0
16	209.133.32.69	24.6.173.220	TCP	66	80 → 21214 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK
17	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
18	24.6.173.220	209.133.32.69	HTTP	387	GET /home HTTP/1.1
19	209.133.32.69	24.6.173.220	TCP	60	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=0
20	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=1460 [TCP segment
21	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1461 Ack=334 Win=6912 Len=1460 [TCP segm
22	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=334 Ack=2921 Win=65700 Len=0
23	24.6.173.220	75.75.75.75	DNS	80	Standard query 0xe7b3 A pcapr.googlecode.com

> Frame 1: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface \Device\NPF_{6E79FEC0-FF79-4970-96E4-EEFF300A9B9F}, interface 0
 > Ethernet II, Src: HewlettP_a7:bf:a3 (d4:85:64:a7:bf:a3), Dst: Cadant_31:bb:c1 (00:01:5c:31:bb:c1)
 > Internet Protocol Version 4, Src: 24.6.173.220, Dst: 75.75.75.75

Useful → Expand Subtrees
 Collapse Subtrees
 Expand All
 Collapse All
 Apply as Column Ctrl+Shift+I
 Apply as Filter
 Prepare as Filter
 Conversation Filter
 Colorize with Filter
 Follow
 Copy
 Show Packet Bytes... Ctrl+Shift+O
 Export Packet Bytes... Ctrl+Shift+X
 Wiki Protocol Page
 Filter Field Reference
 Protocol Preferences
 Decode As...
 Go to Linked Packet
 Show Linked Packet in New Window

Open User Datagram Protocol preferences...
☒ Show UDP summary in protocol tree
☐ Try heuristic sub-dissectors first
☒ Validate the UDP checksum if possible
☐ Collect process flow information
☒ Calculate conversation timestamps
☐ Disable UDP...

487 · Displayed: 487 (100.0%) Profile: Default

Paso 8:

http-pcapnet101.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220	75.75.75.75	DNS	73	Standard query 0xc3bf A www.pcapr.net
2	75.75.75.75	24.6.173.220	DNS	89	Standard query response 0xc3bf A www.pcapr.net A 209.133.32.6
3	24.6.173.220	75.75.75.75	DNS	73	Standard query 0x406e AAAA www.pcapr.net
4	75.75.75.75	24.6.173.220	DNS	146	Standard query response 0x406e AAAA www.pcapr.net SOA pdns1.u
5	24.6.173.220	209.133.32.69	TCP	66	21213 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
6	209.133.32.69	24.6.173.220	TCP	66	80 → 21213 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SAC
7	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8	24.6.173.220	209.133.32.69	HTTP	341	GET / HTTP/1.1
9	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=1 Ack=288 Win=6912 Len=0
10	209.133.32.69	24.6.173.220	HTTP	357	HTTP/1.1 303 See Other
11	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [FIN, ACK] Seq=304 Ack=288 Win=6912 Len=0
12	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=288 Ack=305 Win=65396 Len=0
13	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [FIN, ACK] Seq=288 Ack=305 Win=65396 Len=0
14	24.6.173.220	209.133.32.69	TCP	66	21214 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM
15	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=305 Ack=289 Win=6912 Len=0
16	209.133.32.69	24.6.173.220	TCP	66	80 → 21214 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SAC
17	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
18	24.6.173.220	209.133.32.69	HTTP	387	GET /home HTTP/1.1
19	209.133.32.69	24.6.173.220	TCP	60	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=0
20	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=1460 [TCP segment
21	209.133.32.69	24.6.173.220	TCP	1514	80 → 21214 [ACK] Seq=1461 Ack=334 Win=6912 Len=1460 [TCP segm
22	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=334 Ack=2921 Win=65700 Len=0
23	24.6.173.220	75.75.75.75	DNS	80	Standard query 0xe7b3 A pcapr.googlecode.com

> Frame 5: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{6E79FEC0-FF79-4970-96E4-EEFF300A9B9F}, in
 > Ethernet II, Src: HewlettP_a7:bf:a3 (d4:85:64:a7:bf:a3), Dst: Cadant_31:bb:c1 (00:01:5c:31:bb:c1)
 > Internet Protocol Version 4, Src: 24.6.173.220, Dst: 209.133.32.69
 > Transmission Control Protocol, Src Port: 21213, Dst Port: 80, Seq: 0, Len: 0

Expand Subtrees
 Collapse Subtrees
 Expand All
 Collapse All
 Apply as Column Ctrl+Shift+I
 Apply as Filter
 Prepare as Filter
 Conversation Filter
 Colorize with Filter
 Follow
 Copy
 Show Packet Bytes... Ctrl+Shift+O
 Export Packet Bytes... Ctrl+Shift+X
 Wiki Protocol Page
 Filter Field Reference
 Protocol Preferences
 Decode As...
 Go to Linked Packet
 Show Linked Packet in New Window

Open Transmission Control Protocol preferences...

- ☒ Show TCP summary in protocol tree
- ☒ Validate the TCP checksum if possible
- ☒ Allow subdissector to reassemble TCP streams
- Reassemble out-of-order segments
- ☒ Analyze TCP sequence numbers
- ☒ Relative sequence numbers
- Scaling factor to use when not available from capture
- ☒ Track number of bytes in flight
- ☒ Calculate conversation timestamps
- Try heuristic sub-dissectors first
- Ignore TCP Timestamps in summary
- ☒ Do not call subdissectors for error packets
- ☒ TCP Experimental Options with a Magic Number
- Display process information via IPFIX
- TCP UDP port: 0...
- Disable TCP...

0000 00 01 5c 31 b
 0010 00 34 6a 4c 4
 0020 20 45 52 dd 6
 0030 20 00 b7 d3 6
 0040 04 02

Transmission Co

Profile: Default

Paso 9:

The image shows the Wireshark network protocol analyzer interface. The main window displays a packet capture of an HTTP session. The 'Protocol' column is selected, and the 'Protocol Preferences' menu is open, showing options for TCP analysis.

Packet List:

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220		Standard query	0xc3bf	A www.pcapr.net
2	75.75.75.75		Standard query response	0xc3bf	A www.pcapr.net A 209.133.32.6
3	24.6.173.220		Standard query	0x406e	AAAA www.pcapr.net
4	75.75.75.75		Standard query response	0x406e	AAAA www.pcapr.net SOA pdns1.u
5	24.6.173.220		TCP	80	[SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
6	209.133.32.69		TCP	21213	[SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK_PERM=1
7	24.6.173.220		TCP	80	[ACK] Seq=1 Ack=1 Win=65700 Len=0
8	24.6.173.220		HTTP	1.1	GET / HTTP/1.1
9	209.133.32.69		TCP	21213	[ACK] Seq=1 Ack=288 Win=6912 Len=0
10	209.133.32.69		HTTP	1.1	303 See Other
11	209.133.32.69		TCP	21213	[FIN, ACK] Seq=304 Ack=288 Win=6912 Len=0
12	24.6.173.220		TCP	80	[ACK] Seq=288 Ack=305 Win=65396 Len=0
13	24.6.173.220		TCP	80	[FIN, ACK] Seq=288 Ack=305 Win=65396 Len=0
14	24.6.173.220		TCP	80	[SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
15	209.133.32.69		TCP	21213	[ACK] Seq=305 Ack=289 Win=6912 Len=0
16	209.133.32.69		TCP	21214	[SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK_PERM=1
17	24.6.173.220		TCP	80	[ACK] Seq=1 Ack=1 Win=65700 Len=0
18	24.6.173.220		HTTP	1.1	GET /home HTTP/1.1
19	209.133.32.69		TCP	21214	[ACK] Seq=1 Ack=334 Win=6912 Len=0
20	209.133.32.69		HTTP	1.1	200 OK (text/html)
21	209.133.32.69		HTTP		Continuation
22	24.6.173.220		TCP	80	[ACK] Seq=334 Ack=2921 Win=65700 Len=0
23	24.6.173.220				

Protocol Preferences (TCP):

- Open Transmission Control Protocol preferences...
- ☒ Show TCP summary in protocol tree
- ☐ Validate the TCP checksum if possible
- ☐ Allow subdissector to reassemble TCP streams
- ☐ Reassemble out-of-order segments
- ☒ Analyze TCP sequence numbers
- ☒ Relative sequence numbers
- ☐ Scaling factor to use when not available from capture
- ☒ Track number of bytes in flight
- ☒ Calculate conversation timestamps
- ☐ Try heuristic sub-dissectors first
- ☐ Ignore TCP Timestamps in summary
- ☒ Do not call subdissectors for error packets
- ☒ TCP Experimental Options with a Magic Number
- ☐ Display process information via IPFIX
- ☐ TCP UDP port: 0...
- ☐ Disable TCP...

Packet Details:

Frame 5: 66 bytes on wire (528 bits) captured (528 bits) on interface 0
 Ethernet II, Src: Hewlett-Packard (08:00:00:08:00:06), Dst: 24.6.173.220 (08:00:00:08:00:06)
 Internet Protocol Version 4, Src: 209.133.32.69, Dst: 24.6.173.220
 Transmission Control Protocol, Src Port: 80, Dst Port: 80, Seq: 21213, Len: 0

Packet Bytes:

```

0000  00 01 5c 31 bb c1 d4 85 64 a7 bf a3 08 00 45 00  ..\....d....E.
0010  00 34 6a 4c 40 00 80 06 00 00 18 06 ad dc d1 85  4jL@.....
0020  20 45 52 dd 00 50 4c cc 01 a3 00 00 00 00 80 02  ER..PL.....
0030  20 00 b7 d3 00 00 02 04 05 b4 01 03 03 02 01 01  .....
0040  04 02  ..
  
```

Status Bar: Transmission Control Protocol (tcp), 32 byte(s) | Packets: 487 · Displayed: 487 (100.0%) | Profile: Default

Paso 10

http-pcapnet101.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220	75.75.75.75	DNS	73	Standard query 0xc3bf A www.pcapr.net
2	75.75.75.75	24.6.173.220	DNS	89	Standard query response 0xc3bf A www.pcapr.net A 209.133.32.69
3	24.6.173.220	75.75.75.75	DNS	73	Standard query 0x406e AAAA www.pcapr.net
4	75.75.75.75	24.6.173.220	DNS	146	Standard query response 0x406e AAAA www.pcapr.net SOA pdns1.ulb.comcast.net
5	24.6.173.220	209.133.32.69	TCP	66	21213 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
6	209.133.32.69	24.6.173.220	TCP	66	80 → 21213 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 WS=4 SACK_PERM=1
7	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8	24.6.173.220	209.133.32.69	HTTP	341	GET / HTTP/1.1
9	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=1 Ack=288 Win=6912 Len=0
10	209.133.32.69	24.6.173.220	HTTP	357	HTTP/1.1 303 See Other
11	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [FIN, ACK] Seq=304 Ack=288 Win=6912 Len=0
12	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [ACK] Seq=288 Ack=305 Win=65396 Len=0
13	24.6.173.220	209.133.32.69	TCP	54	21213 → 80 [FIN, ACK] Seq=288 Ack=305 Win=65396 Len=0
14	24.6.173.220	209.133.32.69	TCP	66	21214 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
15	209.133.32.69	24.6.173.220	TCP	60	80 → 21213 [ACK] Seq=305 Ack=289 Win=6912 Len=0
16	209.133.32.69	24.6.173.220	TCP	66	80 → 21214 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 WS=4 SACK_PERM=1
17	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
18	24.6.173.220	209.133.32.69	HTTP	387	GET /home HTTP/1.1
19	209.133.32.69	24.6.173.220	TCP	60	80 → 21214 [ACK] Seq=1 Ack=334 Win=6912 Len=0
20	209.133.32.69	24.6.173.220	HTTP	1514	HTTP/1.1 200 OK (text/html)
21	209.133.32.69	24.6.173.220	HTTP	1514	Continuation
22	24.6.173.220	209.133.32.69	TCP	54	21214 → 80 [ACK] Seq=334 Ack=2921 Win=65700 Len=0
23	24.6.173.220	75.75.75.75	DNS	80	Standard query 0xe7b3 A pcapr.googlecode.com

Transmission Control Protocol, Src Port: 21213, Dst Port: 80, Seq: 1, Ack: 1, Len: 287

Source Port: 21213
Destination Port: 80
[Stream index: 0]
[TCP Segment Len: 287]
Sequence number: 1 (relative sequence number)
Sequence number (raw): 1288438180
[Next sequence number: 288 (relative sequence number)]
Acknowledgment number: 1 (relative ack number)
Acknowledgment number (raw): 82469421
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 16425
[Calculated window size: 65700]
[Window size scaling factor: 4]
Checksum: 0xb8e6 [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0
[SEQ/ACK analysis]
[Timestamps]
TCP payload (287 bytes)

0020 20 45 52 dd 00 50 4c cc 01 a4 04 ea 62 2d 50 18 ER...PL...b-P.
0030 40 29 b8 e6 00 00 47 45 54 20 2f 20 48 54 54 50 @)...GE T / HTTP
0040 2f 31 2e 31 0d 0a 48 6f 73 74 3a 20 77 77 77 2e /1.1..Host: www.
0050 70 63 61 70 72 2e 6e 65 74 0d 0a 55 73 65 72 2d pcapr.net..User-
0060 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c 6c 61 2f 35 Agent: Mozilla/5
0070 2e 30 20 28 57 69 6e 64 6f 77 73 20 4e 54 20 36 .0 (Windows NT 6

Transmission Control Protocol (tcp), 20 byte(s) | Packets: 487 · Displayed: 487 (100.0%) | Profile: Default

- Seleccione el marco 5 en el panel paquet list y desactiva la casilla de validate the tcp checksum

