INSTITUTO TECNOLOGICO DE CANCUN

Nombre De La Materia: Fundamentos De Telecomunicaciones

Nombre De La Unidad: Sistemas de comunicación

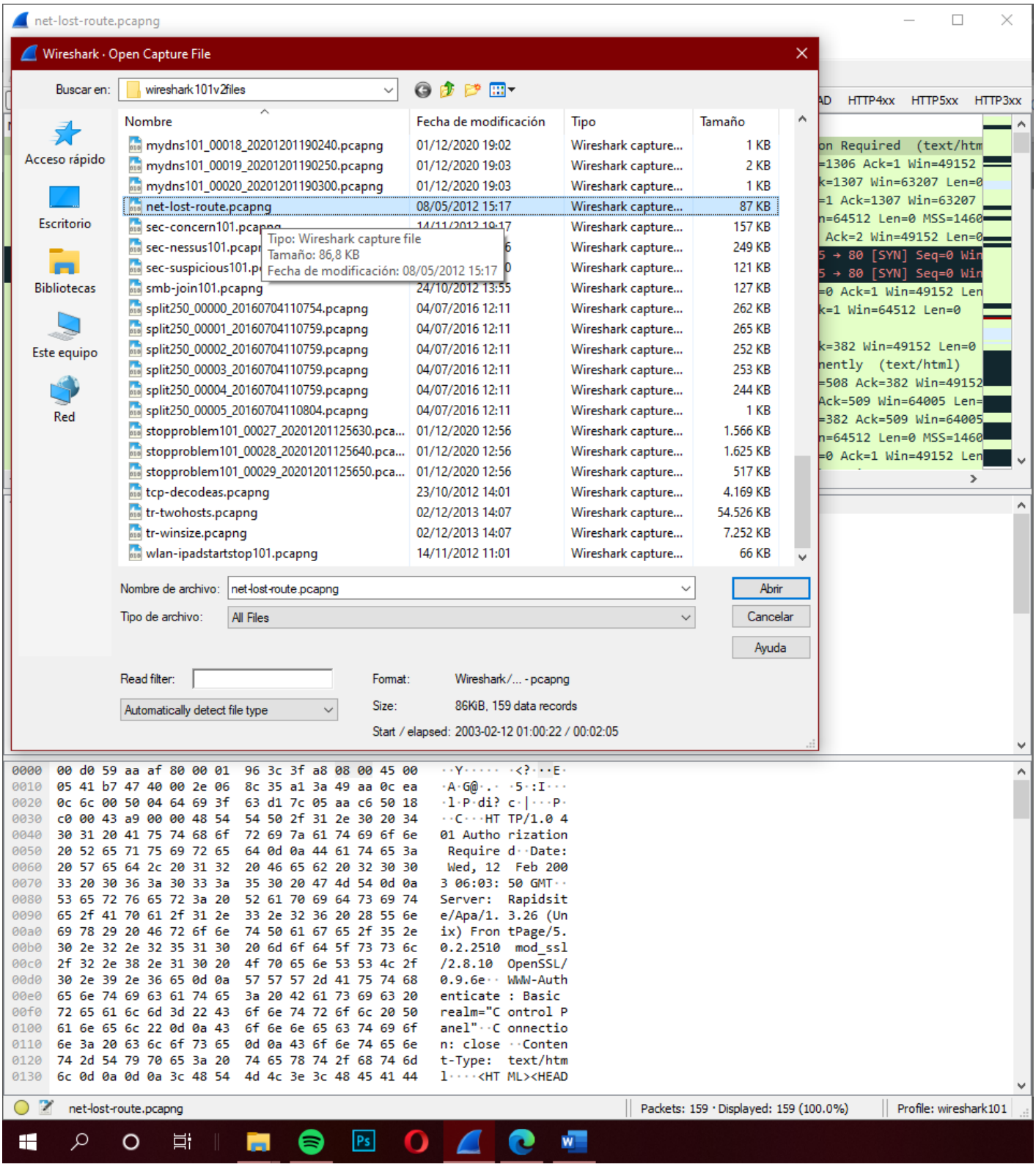
N.º De Actividad: Laboratorio 28

Nombre Del Alumno: Vazquez Canto Andres Omar

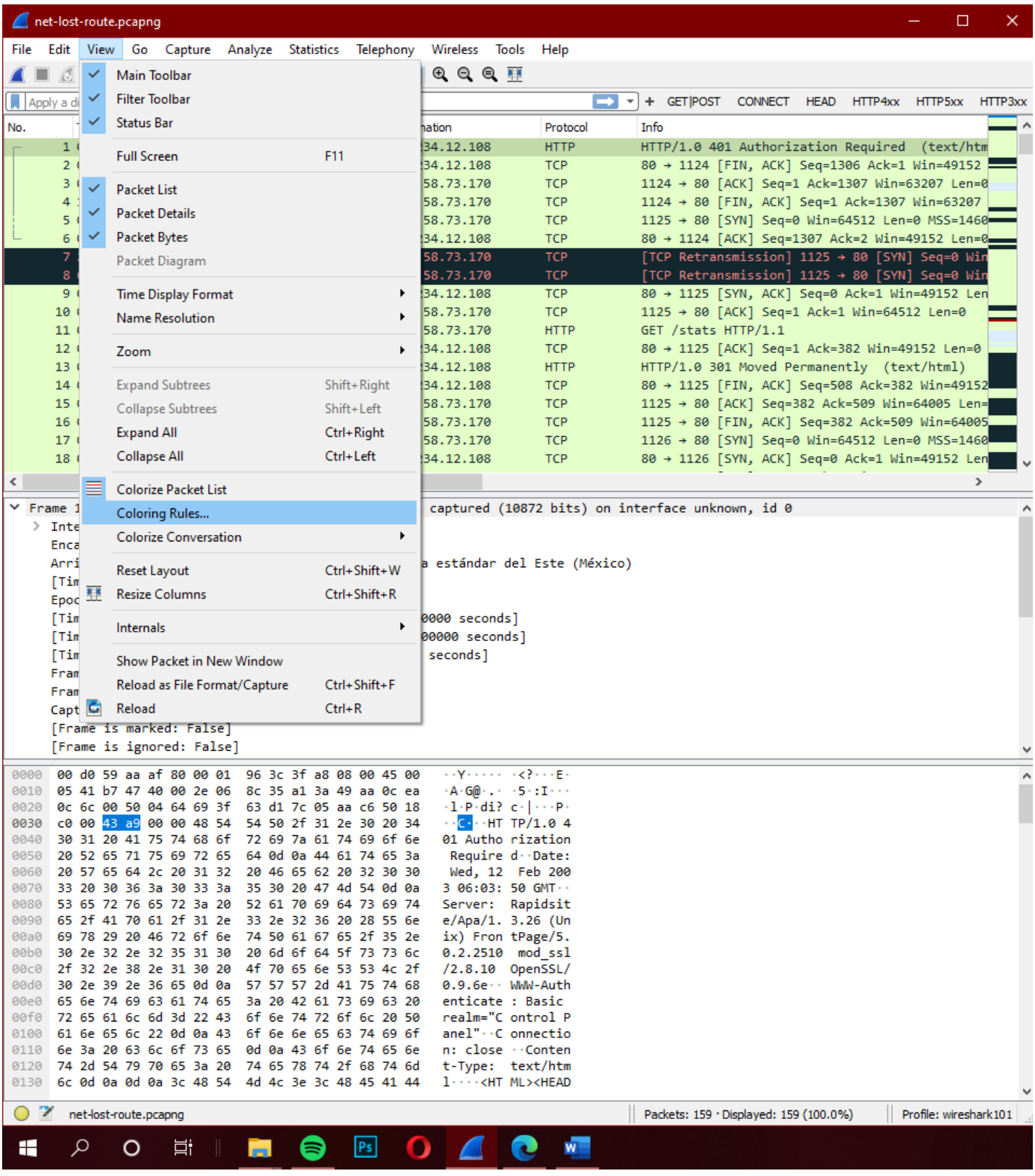
N.º De Control: 17530439

Lab28- Use the Intelligent Scrollbar to quickly Find Problems

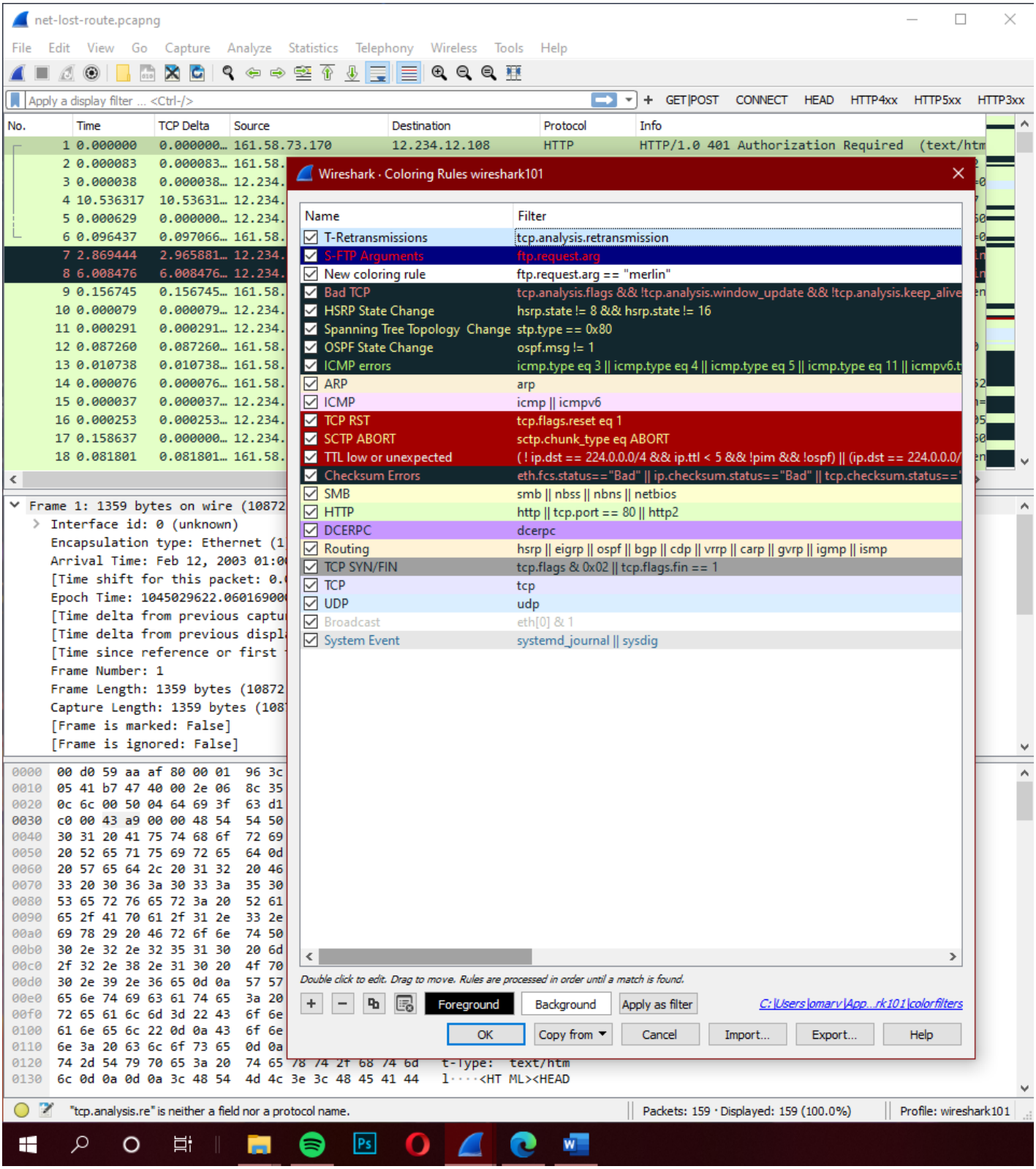
Paso 1:



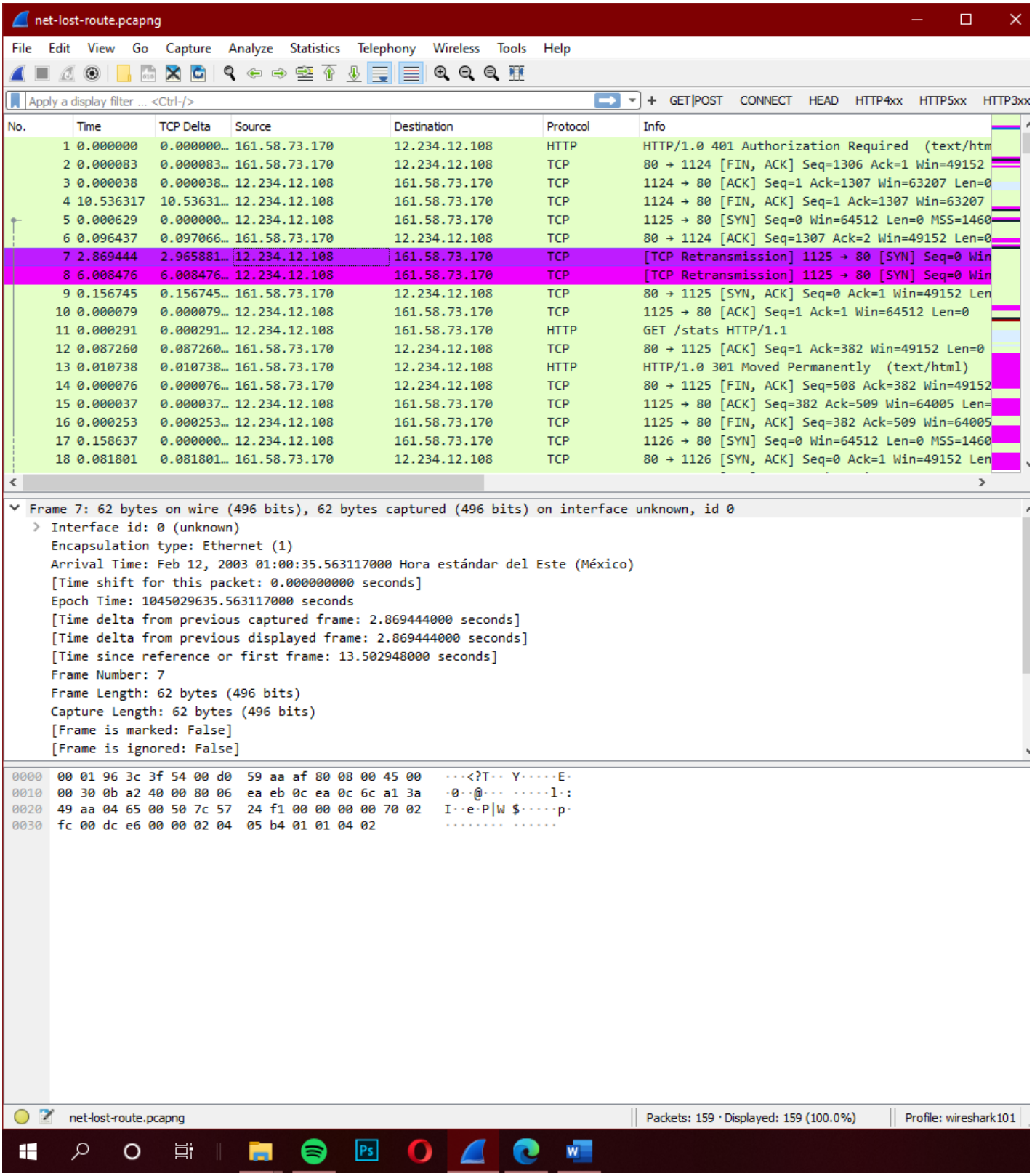
Paso 2:


net-lost-route.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Main Toolbar
Filter Toolbar
Status Bar
Full Screen F11
Packet List
Packet Details
Packet Bytes
Packet Diagram
Time Display Format
Name Resolution
Zoom
Expand Subtrees Shift+Right
Collapse Subtrees Shift+Left
Expand All Ctrl+Right
Collapse All Ctrl+Left
Colorize Packet List
Coloring Rules...
Colorize Conversation
Reset Layout Ctrl+Shift+W
Resize Columns Ctrl+Shift+R
Internals
Show Packet in New Window
Reload as File Format/Capture Ctrl+Shift+F
Reload Ctrl+R
GET|POST CONNECT HEAD HTTP4xx HTTP5xx HTTP3xx
No. Protocol Info
HTTP/1.0 401 Authorization Required (text/htm
TCP 80 → 1124 [FIN, ACK] Seq=1306 Ack=1 Win=49152
TCP 1124 → 80 [ACK] Seq=1 Ack=1307 Win=63207 Len=0
TCP 1124 → 80 [FIN, ACK] Seq=1 Ack=1307 Win=63207
TCP 1125 → 80 [SYN] Seq=0 Win=64512 Len=0 MSS=1460
TCP 80 → 1124 [ACK] Seq=1307 Ack=2 Win=49152 Len=0
TCP [TCP Retransmission] 1125 → 80 [SYN] Seq=0 Win
TCP [TCP Retransmission] 1125 → 80 [SYN] Seq=0 Win
TCP 80 → 1125 [SYN, ACK] Seq=0 Ack=1 Win=49152 Len
TCP 1125 → 80 [ACK] Seq=1 Ack=1 Win=64512 Len=0
HTTP GET /stats HTTP/1.1
TCP 80 → 1125 [ACK] Seq=1 Ack=382 Win=49152 Len=0
HTTP HTTP/1.0 301 Moved Permanently (text/html)
TCP 80 → 1125 [FIN, ACK] Seq=508 Ack=382 Win=49152
TCP 1125 → 80 [ACK] Seq=382 Ack=509 Win=64005 Len=
TCP 1125 → 80 [FIN, ACK] Seq=382 Ack=509 Win=64005
TCP 1126 → 80 [SYN] Seq=0 Win=64512 Len=0 MSS=1460
TCP 80 → 1126 [SYN, ACK] Seq=0 Ack=1 Win=49152 Len
captured (10872 bits) on interface unknown, id 0
a estándar del Este (México)
[Frame is marked: False]
[Frame is ignored: False]
0000 00 d0 59 aa af 80 00 01 96 3c 3f a8 08 00 45 00
0010 05 41 b7 47 40 00 2e 06 8c 35 a1 3a 49 aa 0c ea
0020 0c 6c 00 50 04 64 69 3f 63 d1 7c 05 aa c6 50 18
0030 c0 00 43 a9 00 00 48 54 54 50 2f 31 2e 30 20 34
0040 30 31 20 41 75 74 68 6f 72 69 7a 61 74 69 6f 6e
0050 20 52 65 71 75 69 72 65 64 0d 0a 44 61 74 65 3a
0060 20 57 65 64 2c 20 31 32 20 46 65 62 20 32 30 30
0070 33 20 30 36 3a 30 33 3a 35 30 20 47 4d 54 0d 0a
0080 53 65 72 76 65 72 3a 20 52 61 70 69 64 73 69 74
0090 65 2f 41 70 61 2f 31 2e 33 2e 32 36 20 28 55 6e
00a0 69 78 29 20 46 72 6f 6e 74 50 61 67 65 2f 35 2e
00b0 30 2e 32 2e 35 31 30 20 6d 6f 64 5f 73 73 6c
00c0 2f 32 2e 38 2e 31 30 20 4f 70 65 6e 53 53 4c 2f
00d0 30 2e 39 2e 36 65 0d 0a 57 57 57 2d 41 75 74 68
00e0 65 6e 74 69 63 61 74 65 3a 20 42 61 73 69 63 20
00f0 72 65 61 6c 6d 3d 22 43 6f 6e 74 72 6f 6c 20 50
0100 61 6e 65 6c 22 0d 0a 43 6f 6e 6e 65 63 74 69 6f
0110 6e 3a 20 63 6c 6f 73 65 0d 0a 43 6f 6e 74 65 6e
0120 74 2d 54 79 70 65 3a 20 74 65 78 74 2f 68 74 6d
0130 6c 0d 0a 0d 0a 3c 48 54 4d 4c 3e 3c 48 45 41 44
net-lost-route.pcapng
Packets: 159 · Displayed: 159 (100.0%)
Profile: wireshark101

Paso 3:


net-lost-route.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
GET|POST CONNECT HEAD HTTP4xx HTTP5xx HTTP3xx
No. Time TCP Delta Source Destination Protocol Info
1 0.000000 0.000000… 161.58.73.170 12.234.12.108 HTTP HTTP/1.0 401 Authorization Required (text/htm
2 0.000083 0.000083… 161.58.
3 0.000038 0.000038… 12.234.
4 10.536317 10.53631… 12.234.
5 0.000629 0.000000… 12.234.
6 0.096437 0.097066… 161.58.
7 2.869444 2.965881… 12.234.
8 6.008476 6.008476… 12.234.
9 0.156745 0.156745… 161.58.
10 0.000079 0.000079… 12.234.
11 0.000291 0.000291… 12.234.
12 0.087260 0.087260… 161.58.
13 0.010738 0.010738… 161.58.
14 0.000076 0.000076… 161.58.
15 0.000037 0.000037… 12.234.
16 0.000253 0.000253… 12.234.
17 0.158637 0.000000… 12.234.
18 0.081801 0.081801… 161.58.
Frame 1: 1359 bytes on wire (10872
Interface id: 0 (unknown)
Encapsulation type: Ethernet (1
Arrival Time: Feb 12, 2003 01:0
[Time shift for this packet: 0.
Epoch Time: 1045029622.06016900
[Time delta from previous captu
[Time delta from previous displ
[Time since reference or first
Frame Number: 1
Frame Length: 1359 bytes (10872
Capture Length: 1359 bytes (108
[Frame is marked: False]
[Frame is ignored: False]
0000 00 d0 59 aa af 80 00 01 96 3c
0010 05 41 b7 47 40 00 2e 06 8c 35
0020 0c 6c 00 50 04 64 69 3f 63 d1
0030 c0 00 43 a9 00 00 48 54 54 50
0040 30 31 20 41 75 74 68 6f 72 69
0050 20 52 65 71 75 69 72 65 64 0d
0060 20 57 65 64 2c 20 31 32 20 46
0070 33 20 30 36 3a 30 33 3a 35 30
0080 53 65 72 76 65 72 3a 20 52 61
0090 65 2f 41 70 61 2f 31 2e 33 2e
00a0 69 78 29 20 46 72 6f 6e 74 50
00b0 30 2e 32 2e 32 35 31 30 20 6d
00c0 2f 32 2e 38 2e 31 30 20 4f 70
00d0 30 2e 39 2e 36 65 0d 0a 57 57
00e0 65 6e 74 69 63 61 74 65 3a 20
00f0 72 65 61 6c 6d 3d 22 43 6f 6e
0100 61 6e 65 6c 22 0d 0a 43 6f 6e
0110 6e 3a 20 63 6c 6f 73 65 0d 0a
0120 74 2d 54 79 70 65 3a 20 74 65 78 74 2f 68 74 6d t-Type: text/htm
0130 6c 0d 0a 0d 0a 3c 48 54 4d 4c 3e 3c 48 45 41 44 l····<HT ML><HEAD
"tcp.analysis.re" is neither a field nor a protocol name.
Packets: 159 · Displayed: 159 (100.0%)
Profile: wireshark101
Wireshark · Coloring Rules wireshark101
Name Filter
T-Retransmissions tcp.analysis.retransmission
S-FTP Arguments ftp.request.arg
New coloring rule ftp.request.arg == "merlin"
Bad TCP tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive
HSRP State Change hsrp.state != 8 && hsrp.state != 16
Spanning Tree Topology Change stp.type == 0x80
OSPF State Change ospf.msg != 1
ICMP errors icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.t
ARP arp
ICMP icmp || icmpv6
TCP RST tcp.flags.reset eq 1
SCTP ABORT sctp.chunk_type eq ABORT
TTL low or unexpected (! ip.dst == 224.0.0.0/4 && ip.ttl < 5 && !pim && !ospf) || (ip.dst == 224.0.0.0/
Checksum Errors eth.fcs.status=="Bad" || ip.checksum.status=="Bad" || tcp.checksum.status==
SMB smb || nbss || nbns || netbios
HTTP http || tcp.port == 80 || http2
DCERPC dcerpc
Routing hsrp || eigrp || ospf || bgp || cdp || vrrp || carp || gvrp || igmp || ismp
TCP SYN/FIN tcp.flags & 0x02 || tcp.flags.fin == 1
TCP tcp
UDP udp
Broadcast eth[0] & 1
System Event systemd_journal || sysdig
Double click to edit. Drag to move. Rules are processed in order until a match is found.
Foreground
Background
Apply as filter
C:\Users\omarv\App...rk101\colorfilters
OK
Copy from
Cancel
Import...
Export...
Help

Paso 4:


net-lost-route.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
GET|POST CONNECT HEAD HTTP4xx HTTP5xx HTTP3xx
No. Time TCP Delta Source Destination Protocol Info
1 0.000000 0.000000… 161.58.73.170 12.234.12.108 HTTP HTTP/1.0 401 Authorization Required (text/htm
2 0.000083 0.000083… 161.58.73.170 12.234.12.108 TCP 80 → 1124 [FIN, ACK] Seq=1306 Ack=1 Win=49152
3 0.000038 0.000038… 12.234.12.108 161.58.73.170 TCP 1124 → 80 [ACK] Seq=1 Ack=1307 Win=63207 Len=0
4 10.536317 10.53631… 12.234.12.108 161.58.73.170 TCP 1124 → 80 [FIN, ACK] Seq=1 Ack=1307 Win=63207
5 0.000629 0.000000… 12.234.12.108 161.58.73.170 TCP 1125 → 80 [SYN] Seq=0 Win=64512 Len=0 MSS=1460
6 0.096437 0.097066… 161.58.73.170 12.234.12.108 TCP 80 → 1124 [ACK] Seq=1307 Ack=2 Win=49152 Len=0
7 2.869444 2.965881… 12.234.12.108 161.58.73.170 TCP [TCP Retransmission] 1125 → 80 [SYN] Seq=0 Win
8 6.008476 6.008476… 12.234.12.108 161.58.73.170 TCP [TCP Retransmission] 1125 → 80 [SYN] Seq=0 Win
9 0.156745 0.156745… 161.58.73.170 12.234.12.108 TCP 80 → 1125 [SYN, ACK] Seq=0 Ack=1 Win=49152 Len
10 0.000079 0.000079… 12.234.12.108 161.58.73.170 TCP 1125 → 80 [ACK] Seq=1 Ack=1 Win=64512 Len=0
11 0.000291 0.000291… 12.234.12.108 161.58.73.170 HTTP GET /stats HTTP/1.1
12 0.087260 0.087260… 161.58.73.170 12.234.12.108 TCP 80 → 1125 [ACK] Seq=1 Ack=382 Win=49152 Len=0
13 0.010738 0.010738… 161.58.73.170 12.234.12.108 HTTP HTTP/1.0 301 Moved Permanently (text/html)
14 0.000076 0.000076… 161.58.73.170 12.234.12.108 TCP 80 → 1125 [FIN, ACK] Seq=508 Ack=382 Win=49152
15 0.000037 0.000037… 12.234.12.108 161.58.73.170 TCP 1125 → 80 [ACK] Seq=382 Ack=509 Win=64005 Len=
16 0.000253 0.000253… 12.234.12.108 161.58.73.170 TCP 1125 → 80 [FIN, ACK] Seq=382 Ack=509 Win=64005
17 0.158637 0.000000… 12.234.12.108 161.58.73.170 TCP 1126 → 80 [SYN] Seq=0 Win=64512 Len=0 MSS=1460
18 0.081801 0.081801… 161.58.73.170 12.234.12.108 TCP 80 → 1126 [SYN, ACK] Seq=0 Ack=1 Win=49152 Len
Frame 7: 62 bytes on wire (496 bits), 62 bytes captured (496 bits) on interface unknown, id 0
Interface id: 0 (unknown)
Encapsulation type: Ethernet (1)
Arrival Time: Feb 12, 2003 01:00:35.563117000 Hora estándar del Este (México)
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1045029635.563117000 seconds
[Time delta from previous captured frame: 2.869444000 seconds]
[Time delta from previous displayed frame: 2.869444000 seconds]
[Time since reference or first frame: 13.502948000 seconds]
Frame Number: 7
Frame Length: 62 bytes (496 bits)
Capture Length: 62 bytes (496 bits)
[Frame is marked: False]
[Frame is ignored: False]
0000 00 01 96 3c 3f 54 00 d0 59 aa af 80 08 00 45 00
0010 00 30 0b a2 40 00 80 06 ea eb 0c ea 0c 6c a1 3a
0020 49 aa 04 65 00 50 7c 57 24 f1 00 00 00 00 70 02
0030 fc 00 dc e6 00 00 02 04 05 b4 01 01 04 02
net-lost-route.pcapng
Packets: 159 · Displayed: 159 (100.0%)
Profile: wireshark101