INSTITUTO TECNOLOGICO DE CANCUN

Nombre De La Materia: Fundamentos De Telecomunicaciones

Nombre De La Unidad: Sistemas de comunicación

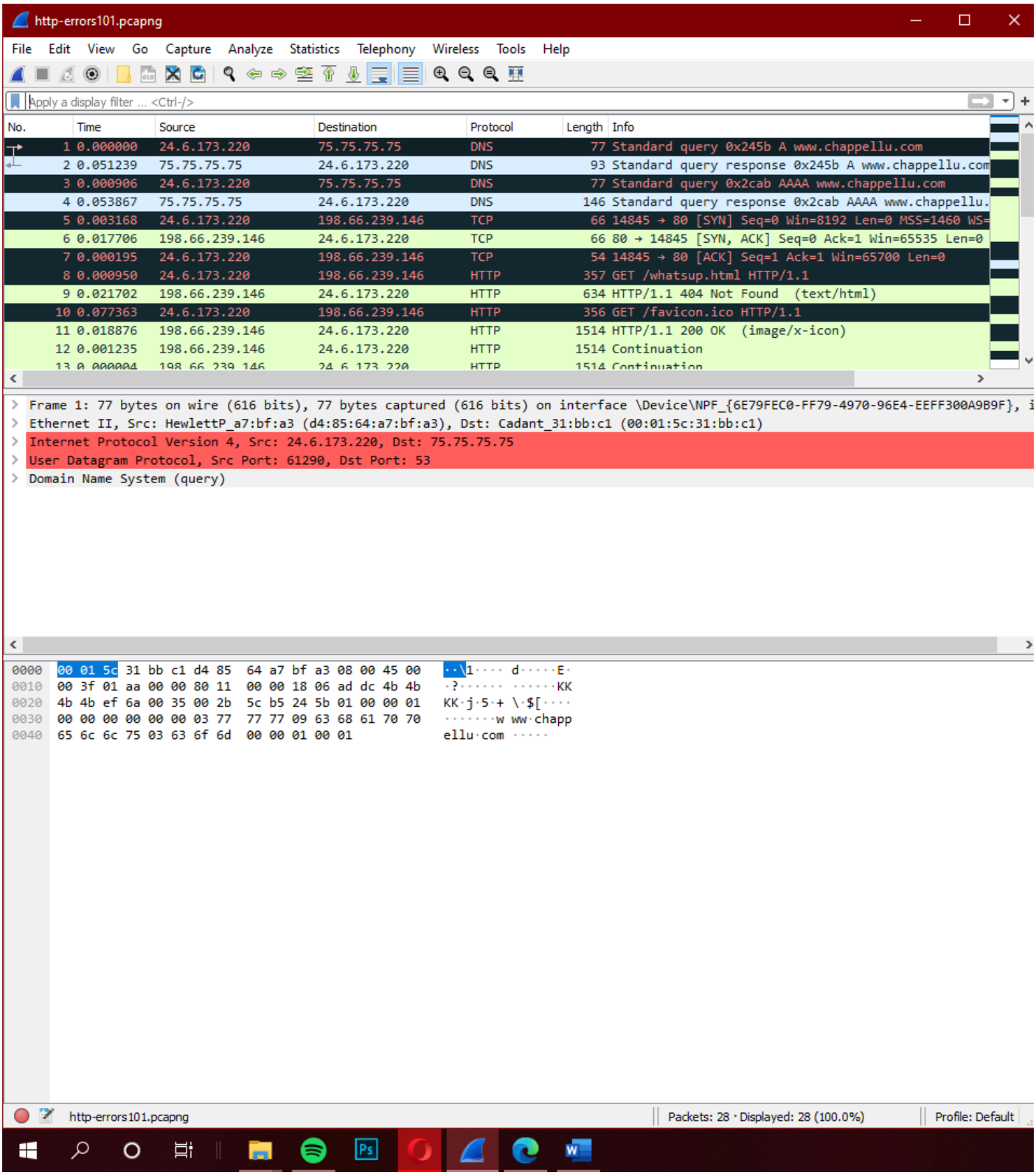
N.º De Actividad: Laboratorio 18

Nombre Del Alumno: Vazquez Canto Andres Omar

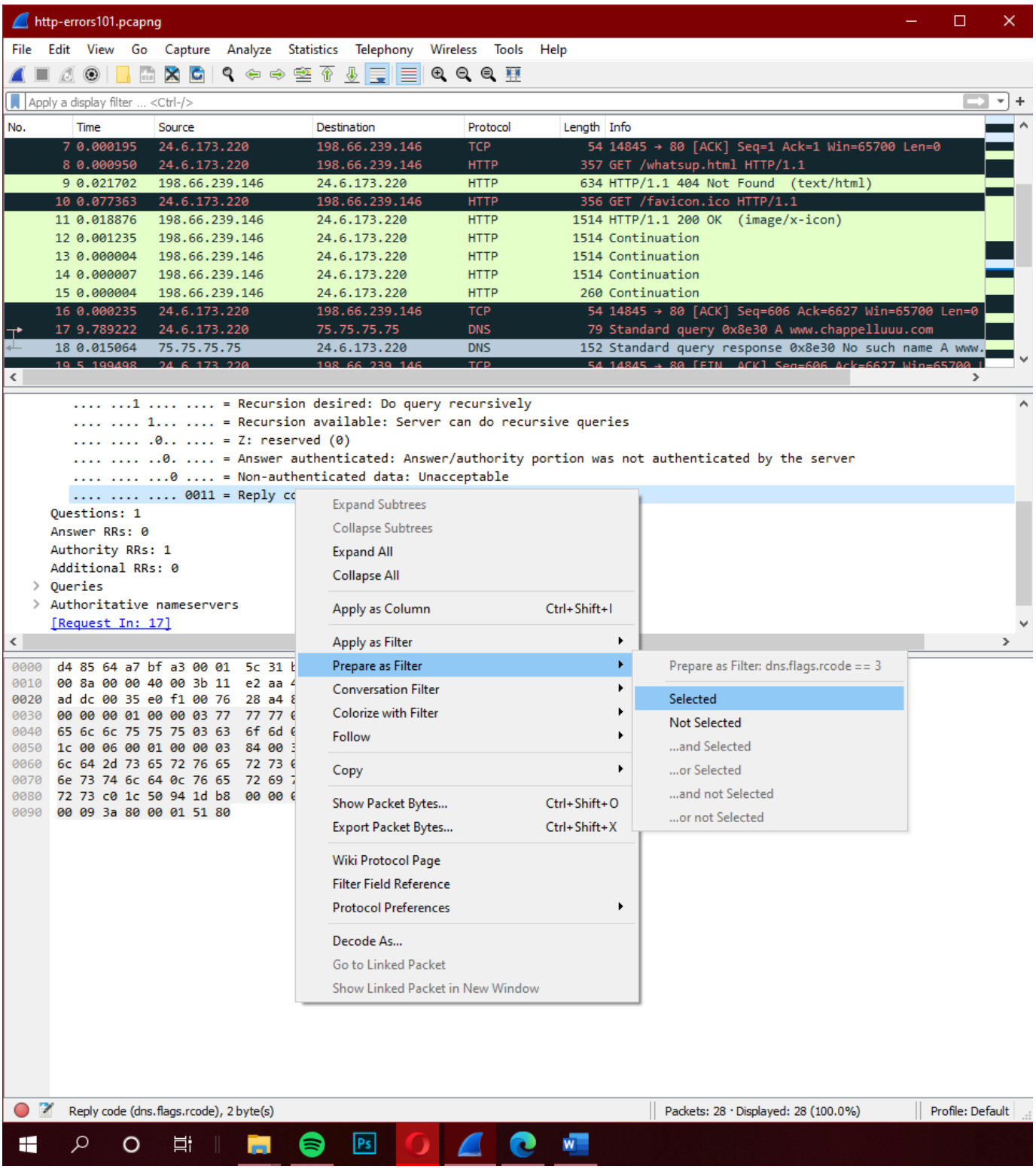
N.º De Control: 17530439

Lab18- Filter on DNS Name Errors or HTTP 404 Responses

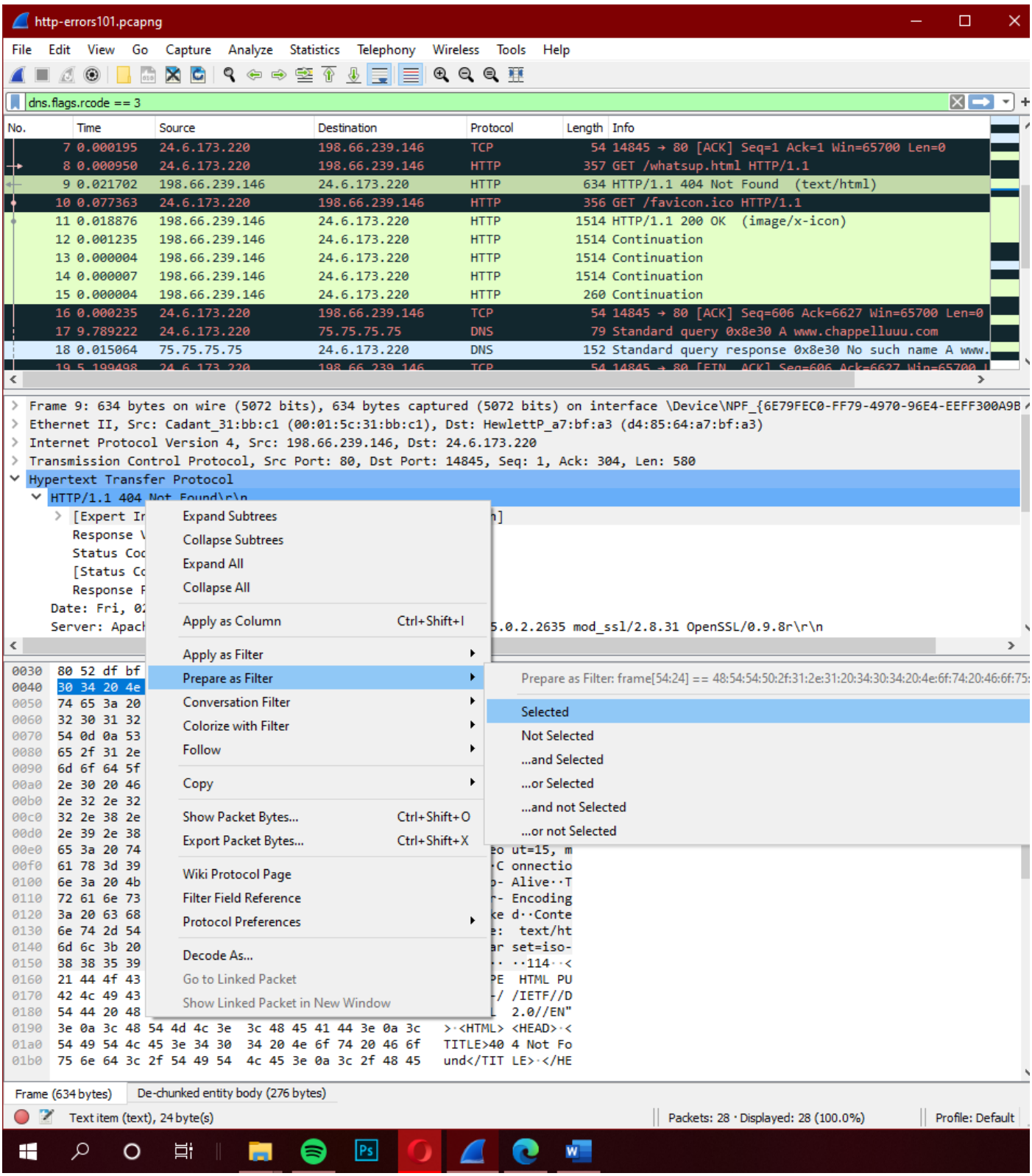
Paso 1:



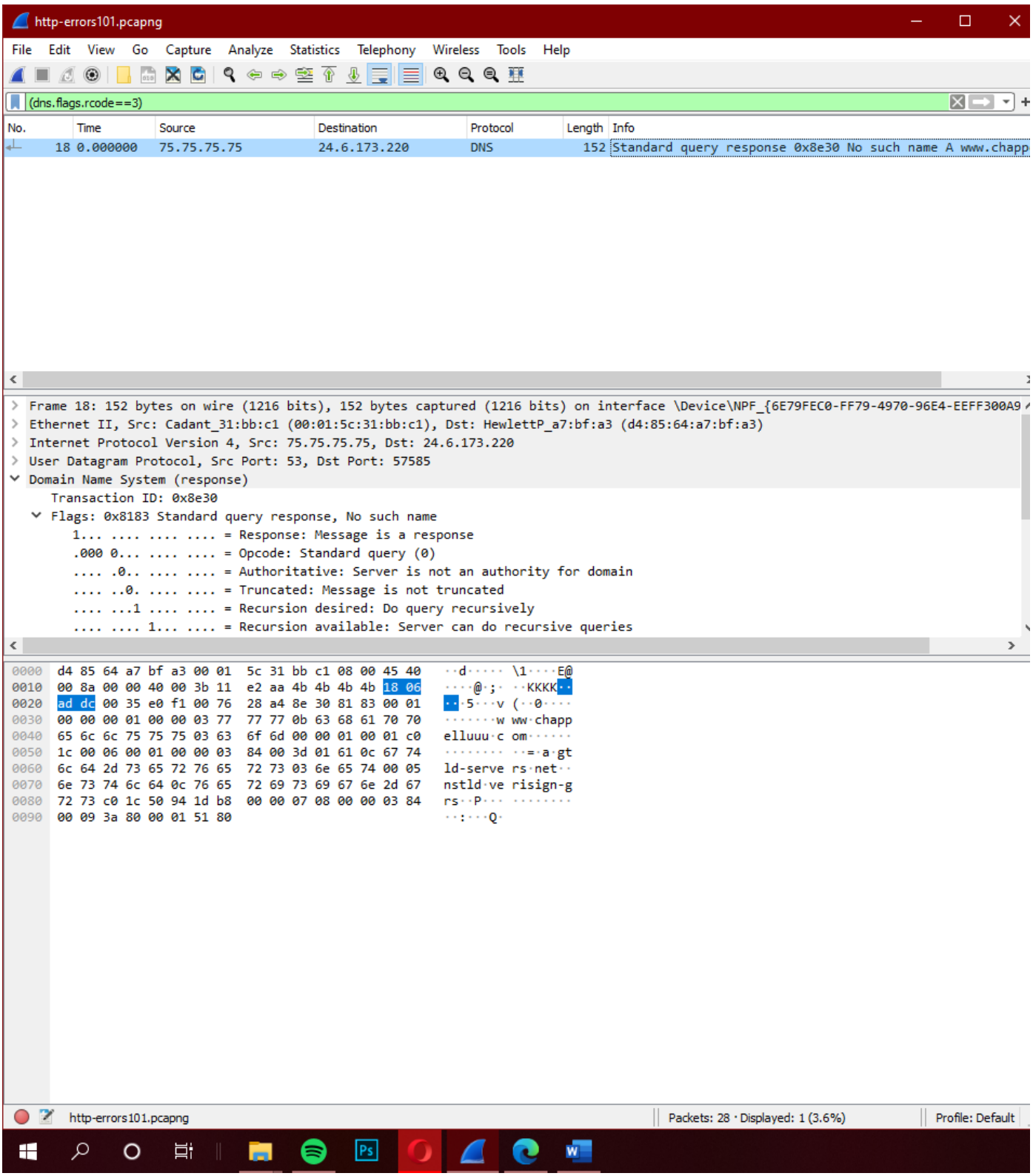
Paso 2:


http-errors101.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
7 0.000195 24.6.173.220 198.66.239.146 TCP 54 14845 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8 0.000950 24.6.173.220 198.66.239.146 HTTP 357 GET /whatsup.html HTTP/1.1
9 0.021702 198.66.239.146 24.6.173.220 HTTP 634 HTTP/1.1 404 Not Found (text/html)
10 0.077363 24.6.173.220 198.66.239.146 HTTP 356 GET /favicon.ico HTTP/1.1
11 0.018876 198.66.239.146 24.6.173.220 HTTP 1514 HTTP/1.1 200 OK (image/x-icon)
12 0.001235 198.66.239.146 24.6.173.220 HTTP 1514 Continuation
13 0.000004 198.66.239.146 24.6.173.220 HTTP 1514 Continuation
14 0.000007 198.66.239.146 24.6.173.220 HTTP 1514 Continuation
15 0.000004 198.66.239.146 24.6.173.220 HTTP 260 Continuation
16 0.000235 24.6.173.220 198.66.239.146 TCP 54 14845 → 80 [ACK] Seq=606 Ack=6627 Win=65700 Len=0
17 9.789222 24.6.173.220 75.75.75.75 DNS 79 Standard query 0x8e30 A www.chappelluuu.com
18 0.015064 75.75.75.75 24.6.173.220 DNS 152 Standard query response 0x8e30 No such name A www.
....1 .... = Recursion desired: Do query recursively
.... 1... .... = Recursion available: Server can do recursive queries
.... .0.. .... = Z: reserved (0)
....0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
....0 .... = Non-authenticated data: Unacceptable
.... 0011 = Reply co
Questions: 1
Answer RRs: 0
Authority RRs: 1
Additional RRs: 0
Queries
Authoritative nameservers
[Request In: 17]
0000 d4 85 64 a7 bf a3 00 01 5c 31
0010 00 8a 00 00 40 00 3b 11 e2 aa
0020 ad dc 00 35 e0 f1 00 76 28 a4
0030 00 00 00 01 00 00 03 77 77 77
0040 65 6c 6c 75 75 75 03 63 6f 6d
0050 1c 00 06 00 01 00 00 03 84 00
0060 6c 64 2d 73 65 72 76 65 72 73
0070 6e 73 74 6c 64 0c 76 65 72 69
0080 72 73 c0 1c 50 94 1d b8 00 00
0090 00 09 3a 80 00 01 51 80
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
Prepare as Filter: dns.flags.rcode == 3
Selected
Not Selected
...and Selected
...or Selected
...and not Selected
...or not Selected
Reply code (dns.flags.rcode), 2 byte(s)
Packets: 28 · Displayed: 28 (100.0%)
Profile: Default

Paso 3:


http-errors101.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
dns.flags.rcode == 3
No. Time Source Destination Protocol Length Info
7 0.000195 24.6.173.220 198.66.239.146 TCP 54 14845 → 80 [ACK] Seq=1 Ack=1 Win=65700 Len=0
8 0.000950 24.6.173.220 198.66.239.146 HTTP 357 GET /whatsup.html HTTP/1.1
9 0.021702 198.66.239.146 24.6.173.220 HTTP 634 HTTP/1.1 404 Not Found (text/html)
10 0.077363 24.6.173.220 198.66.239.146 HTTP 356 GET /favicon.ico HTTP/1.1
11 0.018876 198.66.239.146 24.6.173.220 HTTP 1514 HTTP/1.1 200 OK (image/x-icon)
12 0.001235 198.66.239.146 24.6.173.220 HTTP 1514 Continuation
13 0.000004 198.66.239.146 24.6.173.220 HTTP 1514 Continuation
14 0.000007 198.66.239.146 24.6.173.220 HTTP 1514 Continuation
15 0.000004 198.66.239.146 24.6.173.220 HTTP 260 Continuation
16 0.000235 24.6.173.220 198.66.239.146 TCP 54 14845 → 80 [ACK] Seq=606 Ack=6627 Win=65700 Len=0
17 9.789222 24.6.173.220 75.75.75.75 DNS 79 Standard query 0x8e30 A www.chappelluuu.com
18 0.015064 75.75.75.75 24.6.173.220 DNS 152 Standard query response 0x8e30 No such name A www.
Frame 9: 634 bytes on wire (5072 bits), 634 bytes captured (5072 bits) on interface \Device\NPF_{6E79FEC0-FF79-4970-96E4-EEFF300A9B
Ethernet II, Src: Cadant_31:bb:c1 (00:01:5c:31:bb:c1), Dst: HewlettP_a7:bf:a3 (d4:85:64:a7:bf:a3)
Internet Protocol Version 4, Src: 198.66.239.146, Dst: 24.6.173.220
Transmission Control Protocol, Src Port: 80, Dst Port: 14845, Seq: 1, Ack: 304, Len: 580
Hypertext Transfer Protocol
HTTP/1.1 404 Not Found\r\n
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
Prepare as Filter: frame[54:24] == 48:54:54:50:2f:31:2e:31:20:34:30:34:20:4e:6f:74:20:46:6f:75:
Selected
Not Selected
...and Selected
...or Selected
...and not Selected
...or not Selected
Frame (634 bytes)
De-chunked entity body (276 bytes)
Text item (text), 24 byte(s)
Packets: 28 · Displayed: 28 (100.0%)
Profile: Default

Paso 4:


http-errors101.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
(dns.flags.rcode==3)
No. Time Source Destination Protocol Length Info
18 0.000000 75.75.75.75 24.6.173.220 DNS 152 Standard query response 0x8e30 No such name A www.chapp
Frame 18: 152 bytes on wire (1216 bits), 152 bytes captured (1216 bits) on interface \Device\NPF_{6E79FEC0-FF79-4970-96E4-EEFF300A9
Ethernet II, Src: Cadant_31:bb:c1 (00:01:5c:31:bb:c1), Dst: HewlettP_a7:bf:a3 (d4:85:64:a7:bf:a3)
Internet Protocol Version 4, Src: 75.75.75.75, Dst: 24.6.173.220
User Datagram Protocol, Src Port: 53, Dst Port: 57585
Domain Name System (response)
Transaction ID: 0x8e30
Flags: 0x8183 Standard query response, No such name
1... .... = Response: Message is a response
.000 0... .... = Opcode: Standard query (0)
.... .0.. .... = Authoritative: Server is not an authority for domain
.... ..0. .... = Truncated: Message is not truncated
....1 .... = Recursion desired: Do query recursively
.... 1... .... = Recursion available: Server can do recursive queries
0000 d4 85 64 a7 bf a3 00 01 5c 31 bb c1 08 00 45 40
0010 00 8a 00 00 40 00 3b 11 e2 aa 4b 4b 4b 4b 18 06
0020 ad dc 00 35 e0 f1 00 76 28 a4 8e 30 81 83 00 01
0030 00 00 00 01 00 00 03 77 77 77 0b 63 68 61 70 70
0040 65 6c 6c 75 75 75 03 63 6f 6d 00 00 01 00 01 c0
0050 1c 00 06 00 01 00 00 03 84 00 3d 01 61 0c 67 74
0060 6c 64 2d 73 65 72 76 65 72 73 03 6e 65 74 00 05
0070 6e 73 74 6c 64 0c 76 65 72 69 73 69 67 6e 2d 67
0080 72 73 c0 1c 50 94 1d b8 00 00 07 08 00 00 03 84
0090 00 09 3a 80 00 01 51 80
http-errors101.pcapng
Packets: 28 · Displayed: 1 (3.6%)
Profile: Default