

INSTITUTO TECNOLÓGICO DE CANCUN



Nombre De La Materia: Fundamentos De Telecomunicaciones

Nombre De La Unidad: Sistemas de comunicación

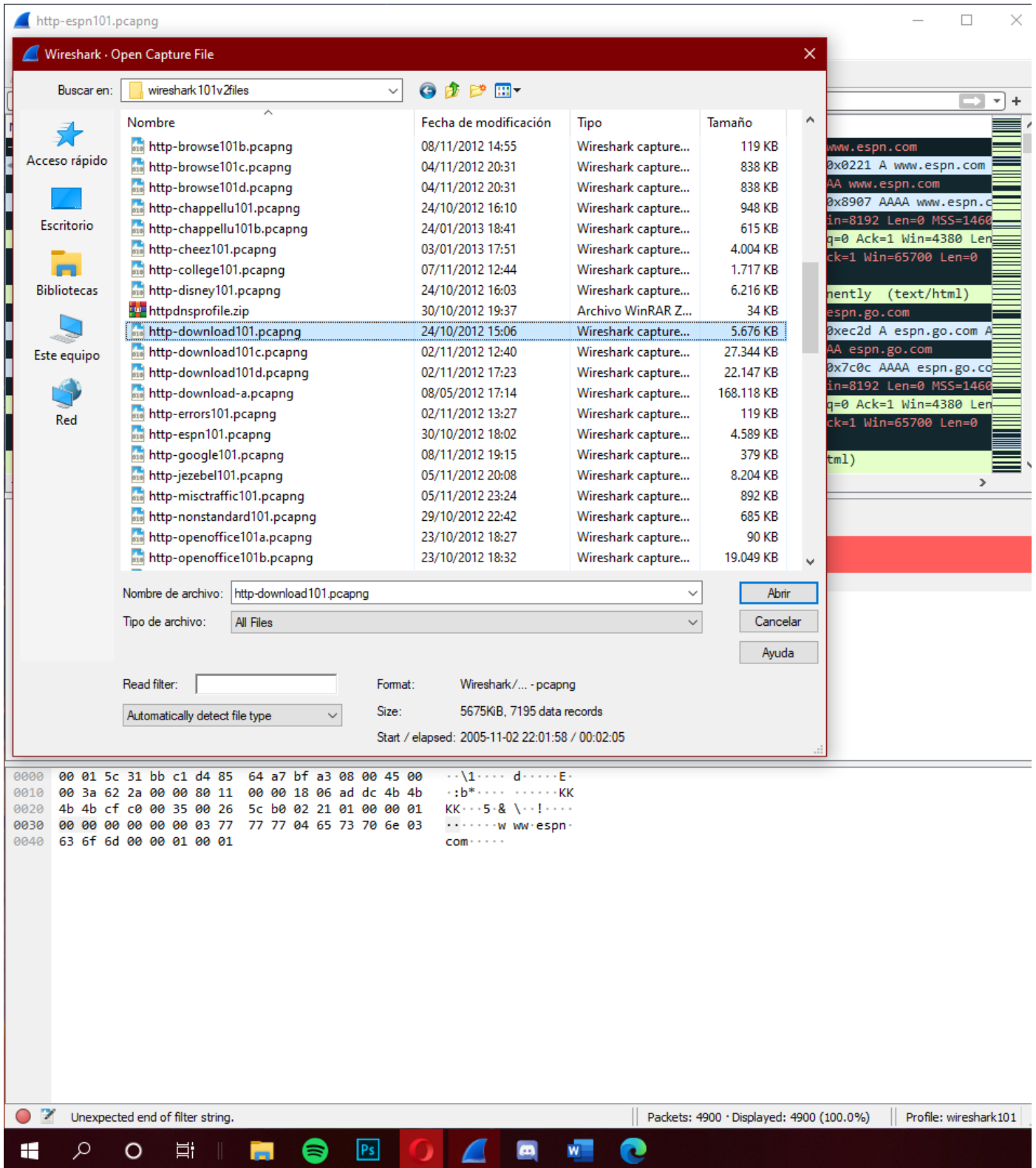
N.º De Actividad: Laboratorio 35

Nombre Del Alumno: Vazquez Canto Andres Omar

N.º De Control: 17530439

Lab35- Identify an Overloaded Client

Paso 1:



Paso 2 y 3:

The screenshot displays the Wireshark network protocol analyzer interface. The main window is titled "Wireshark · Expert Information · http-download101.pcapng".

Packet List: The left pane shows a list of captured packets. The first packet (No. 1) is selected, showing its details in the "Packet Details" pane on the left. The details include Ethernet II, Internet Protocol Version 4, and Transmission Control Protocol.

Expert Information: The right pane shows the "Expert Information" section, which is currently displaying the "Sequence" column. It lists various warnings and errors related to the TCP connection, including:

- Warning: Connection reset (RST) (Sequence 7195)
- Warning: TCP Zero Window segment (Sequence 364, 366, 368, 370, 372, 374, 376)
- Warning: TCP window specified by the receiver is now completely full (Sequence 363)
- Warning: This frame is a (suspected) out-of-order segment (Sequence 239, 240, 242, 244, 246, 274, 302, 303, 407, 413, 418, 682, 692, 702, 719, 955, 965, 967, 1131, 1134, 1324, 1618, 1668, 1686, 1940, 1964, 1966, 1968, 1970, 1972, 1974, 1976, 1978, 1980, 1982, 1984, 2170, 2172)

The bottom status bar shows the file name "http-download101.pcapng" and the profile "wireshark101".

Paso 4:

http-download101.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

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

No.	Time	TCP Delta	Source	Destination	Protocol	Info
362	0.025499	0.025499...	61.8.0.17	10.0.52.164	HTTP	Continuation
363	0.006211	0.006211...	61.8.0.17	10.0.52.164	HTTP	[TCP Window Full] Continuation
364	0.000041	0.000041...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
365	0.667083	0.667083...	61.8.0.17	10.0.52.164	TCP	[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ac
366	0.000036	0.000036...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
367	1.133508	1.133508...	61.8.0.17	10.0.52.164	TCP	[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ac
368	0.000036	0.000036...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
369	2.198012	2.198012...	61.8.0.17	10.0.52.164	TCP	[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ac
370	0.000038	0.000038...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
371	4.128068	4.128068...	61.8.0.17	10.0.52.164	TCP	[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ac
372	0.000039	0.000039...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
373	8.064197	8.064197...	61.8.0.17	10.0.52.164	TCP	[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ac
374	0.000039	0.000039...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
375	16.074234	16.07423...	61.8.0.17	10.0.52.164	TCP	[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ac
376	0.000037	0.000037...	10.0.52.164	61.8.0.17	TCP	[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=2
377	0.115901					
378	0.000941					
379	0.279301					

Wireshark · Expert Information · http-download101.pcapng

Packet	Summary	Group	Protocol
> Warning	Connection reset (RST)	Sequence	TCP
> Warning	TCP Zero Window segment	Sequence	TCP
> Warning	TCP window specified by the receiver is now completely full	Sequence	TCP
363	[TCP Window Full] Continuation	Sequence	TCP
> Warning	This frame is a (suspected) out-of-order segment	Sequence	TCP
> Warning	D-SACK Sequence	Sequence	TCP
> Warning	Previous segment(s) not captured (common at capture sta...	Sequence	TCP
> Warning	Illegal characters found in header name	Protocol	HTTP
> Note	TCP keep-alive segment	Sequence	TCP
> Note	This frame is a (suspected) fast retransmission	Sequence	TCP
> Note	This frame is a (suspected) retransmission	Sequence	TCP
> Note	Duplicate ACK (#1)	Sequence	TCP
> Chat	TCP window update	Sequence	TCP
> Chat	GET /openoffice/stable/2.0.0/OOo_2.0.0_Win32Intel_install....	Sequence	HTTP
> Chat	Connection establish acknowledge (SYN+ACK): server por...	Sequence	TCP
> Chat	Connection establish request (SYN): server port 80	Sequence	TCP

0000 08 00 46 f
0010 05 dc 99 9
0020 34 a4 00 5
0030 00 32 39 2
0040 95 dd 35 9
0050 f4 78 f2 d
0060 5c 47 41 5
0070 d3 e3 49 f
0080 78 bc 7a 3
0090 6a 77 f4 2
00a0 dd ac a4 b
00b0 99 f2 6b 6
00c0 14 db 38 c
00d0 91 b8 fd 2
00e0 cb b4 83 a
00f0 54 d9 7b 7
0100 5f ec eb 9
0110 c8 41 4c 8
0120 58 0e c0 b
0130 64 eb d1 e

TCP window

15 (100.0%) Profile: wireshark101

