

**Instituto Tecnológico de Cancún**

**Fundamentos de Telecomunicaciones**

**Lab35 - Identify an Overloaded  
Client**

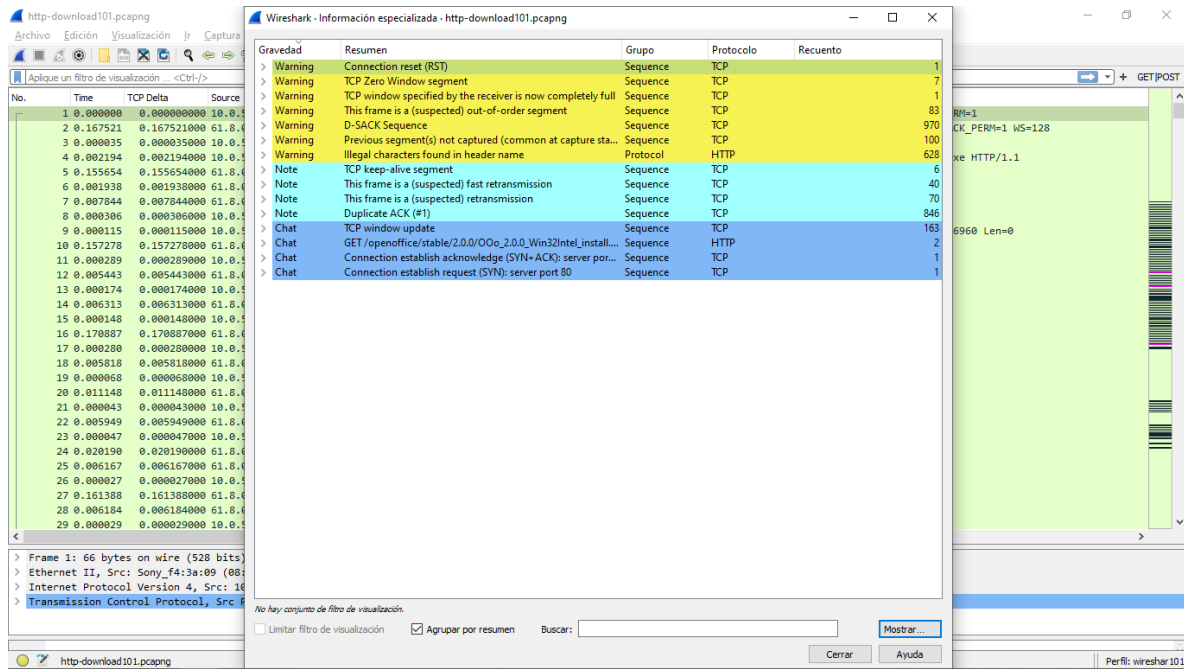
**Prof. Ismael Jiménez Sánchez**

**Alumno(a). Laury del Rosario Mex  
Martin**

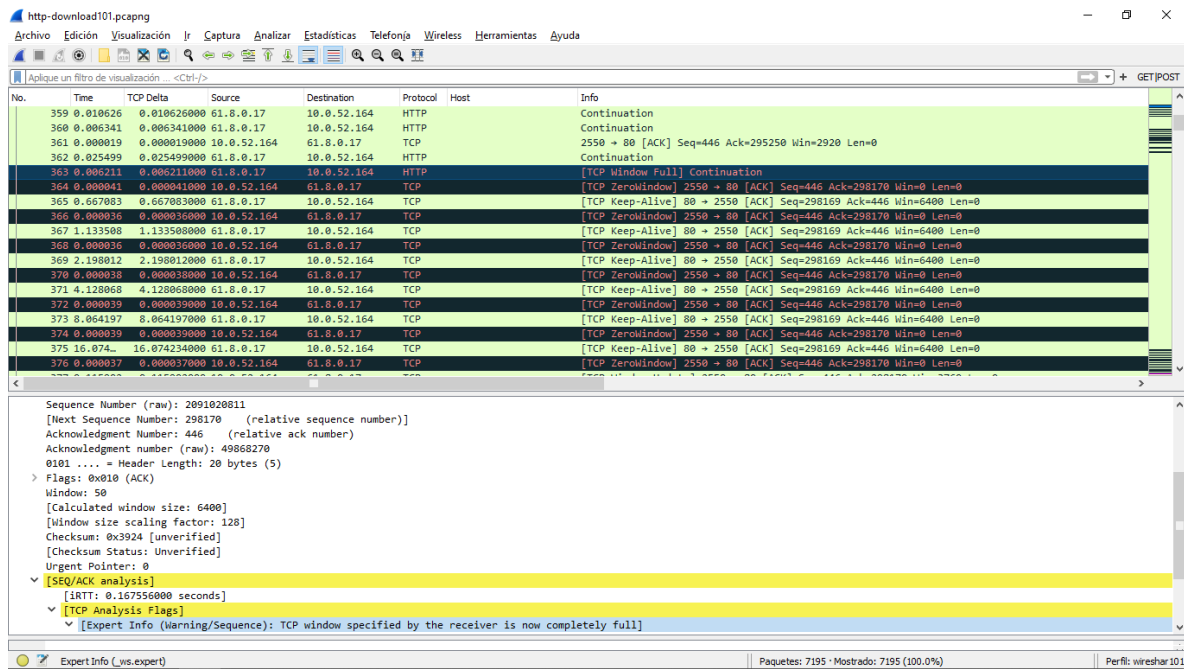
**Ciclo 2020-B**

En este lab se usara la ventana de Información Especializada para identificar la causa del desempeño de la red.

Abriremos la ventana de Información Especializada que esta en la barra de status.



En el Warning TCP window specified by the receiver is now completely full esta el frame 363 que es el usuario afectado porque se sobrecarga de peticiones.



Al ver los frames en el 377 y en el 378 vemos que el usuario se actualizaron los paquetes y ya no esta sobrecargado, en la columna de tiempo vemos que si se tardo un poco en la del frame 363 hasta el 377.

http-download101.pcapng

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Aplique un filtro de visualización: <Ctrl-/>

No.	Time	TCP Delta	Source	Destination	Protocol	Host	Info
362	0.025499	0.025499000	61.8.0.17	10.0.52.164	HTTP		Continuation
363	0.006211	0.006211000	61.8.0.17	10.0.52.164	HTTP		[TCP Window Full] Continuation
364	0.000041	0.000041000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
365	0.067883	0.067883000	61.8.0.17	10.0.52.164	TCP		[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ack=446 Win=6400 Len=0
366	0.000036	0.000036000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
367	1.133500	1.133500000	61.8.0.17	10.0.52.164	TCP		[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ack=446 Win=6400 Len=0
368	0.000035	0.000035000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
369	2.190012	2.190012000	61.8.0.17	10.0.52.164	TCP		[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ack=446 Win=6400 Len=0
370	0.000038	0.000038000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
371	4.128068	4.128068000	61.8.0.17	10.0.52.164	TCP		[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ack=446 Win=6400 Len=0
372	0.000039	0.000039000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
373	8.064197	8.064197000	61.8.0.17	10.0.52.164	TCP		[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ack=446 Win=6400 Len=0
374	0.000039	0.000039000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
375	16.074...	16.074234000	61.8.0.17	10.0.52.164	TCP		[TCP Keep-Alive] 80 → 2550 [ACK] Seq=298169 Ack=446 Win=6400 Len=0
376	0.000037	0.000037000	10.0.52.164	61.8.0.17	TCP		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
377	0.115902	0.115902000	10.0.52.164	61.8.0.17	TCP		[TCP Window Update] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=3760 Len=0
378	0.000947	0.000947000	10.0.52.164	61.8.0.17	TCP		[TCP Window Update] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=256960 Len=0
379	0.279305	0.279305000	61.8.0.17	10.0.52.164	HTTP		Continuation

Sequence Number (raw): 49868270  
[Next Sequence Number: 446 (relative sequence number)]  
Acknowledgment Number: 298170 (relative ack number)  
Acknowledgment number (raw): 2091022271  
0101 .... = Header Length: 20 bytes (5)  
Flags: 0x010 (ACK)  
Window: 64240  
[Calculated window size: 256960]  
[Window size scaling factor: 4]  
Checksum: 0x4998 [unverified]  
[Checksum Status: Unverified]  
Urgent Pointer: 0  
[SEQ/ACK analysis]  
[RTT: 0.167556000 seconds]  
[TCP Analysis Flags]  
[Expert Info (Chat/Sequence): TCP window update]

Paquetes: 7195 · Mostrado: 7195 (100.0%) Perfi: wireshark 101