



**TECNOLÓGICO  
NACIONAL DE MÉXICO**



**INSTITUTO TECNOLÓGICO DE CANCÚN**

**SISTEMAS COMPUTACIONALES**

**MATERIA: Fundamentos de Telecomunicaciones**

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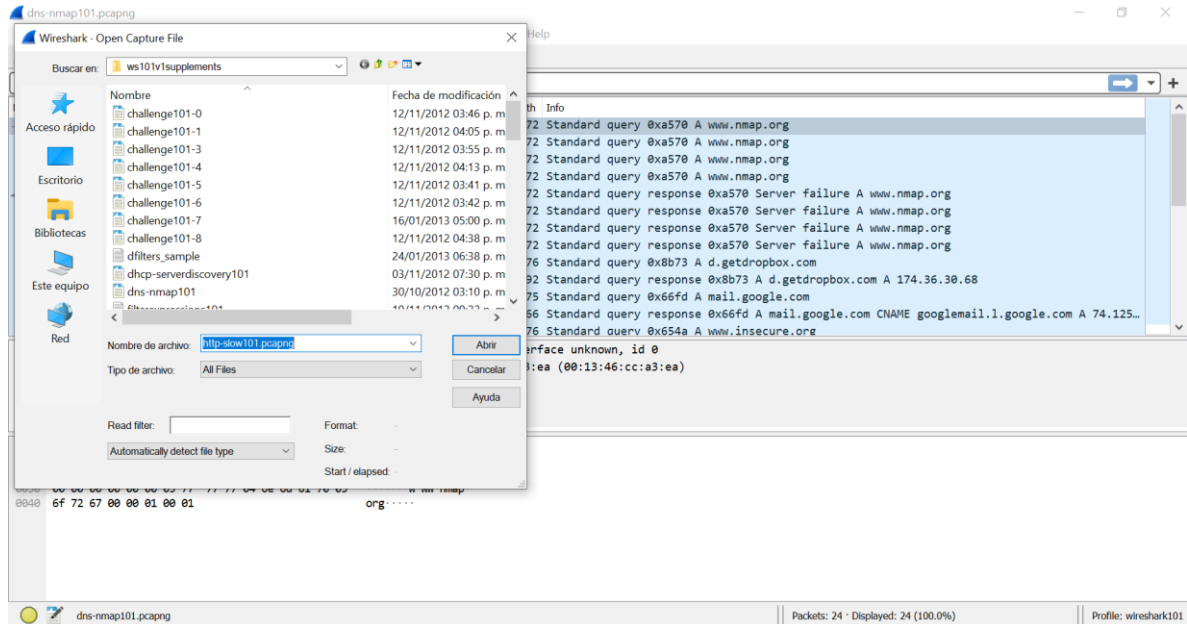
**LABORATORIO: 8**

**Alumno:**

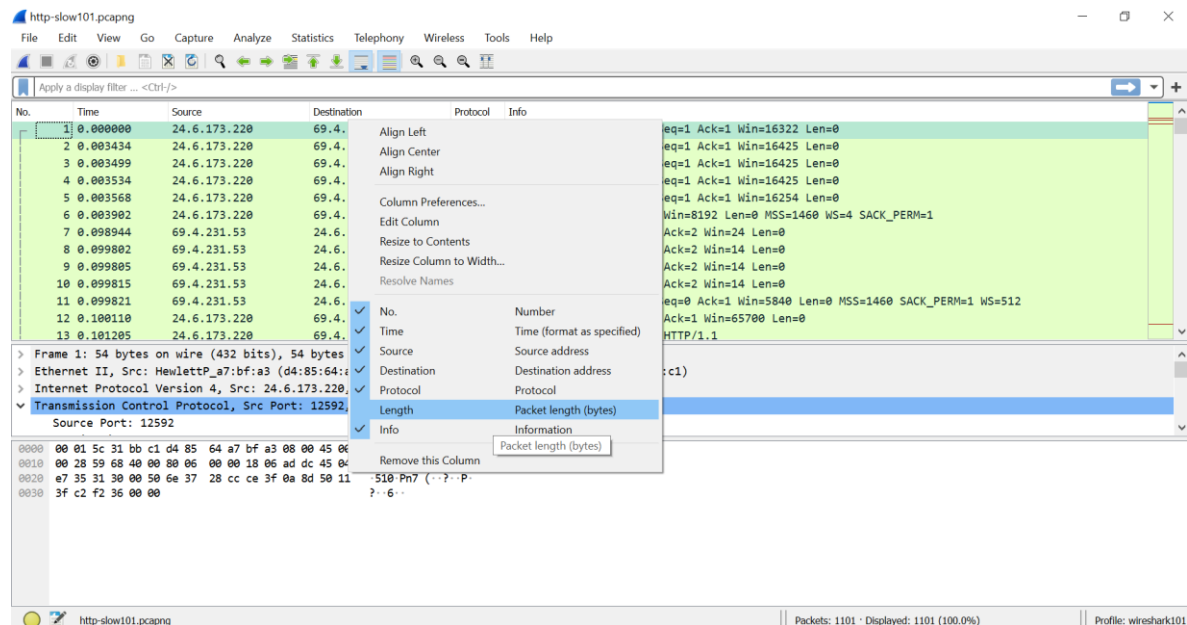
**SARRAGOT PASTRANA WILIAM ADRIEN**

## LAB 8: IMPORTAR UN PERFIL DE ERRORES DNS / HTTP

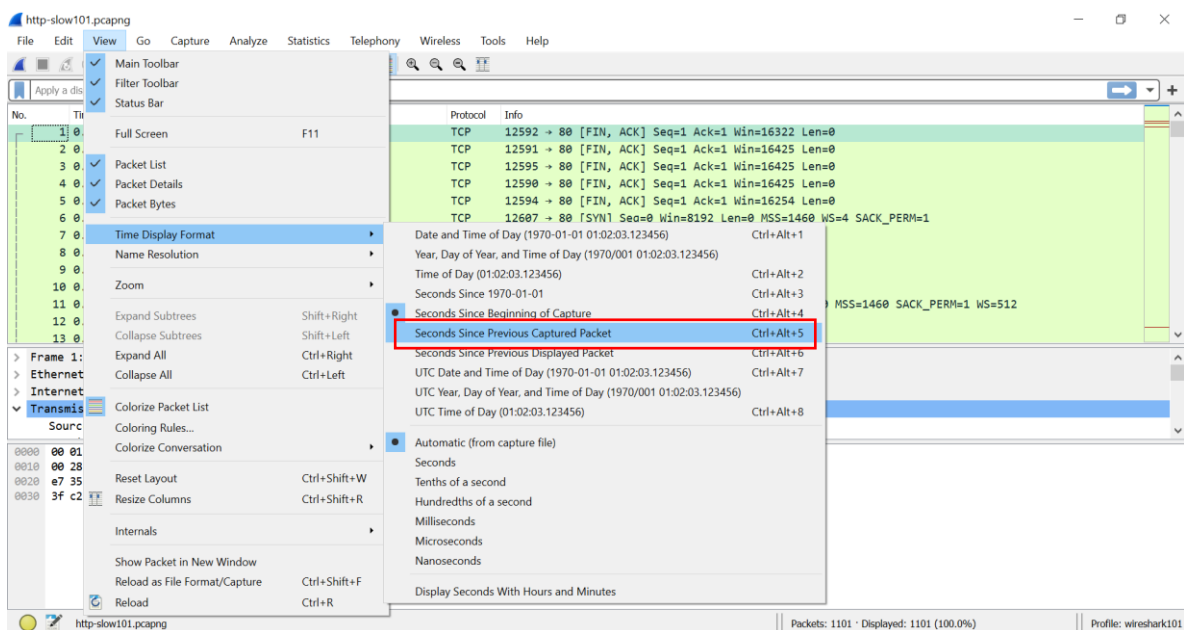
Paso 1: Abriremos un nuevo archivo llamado http-slow101.pcapng



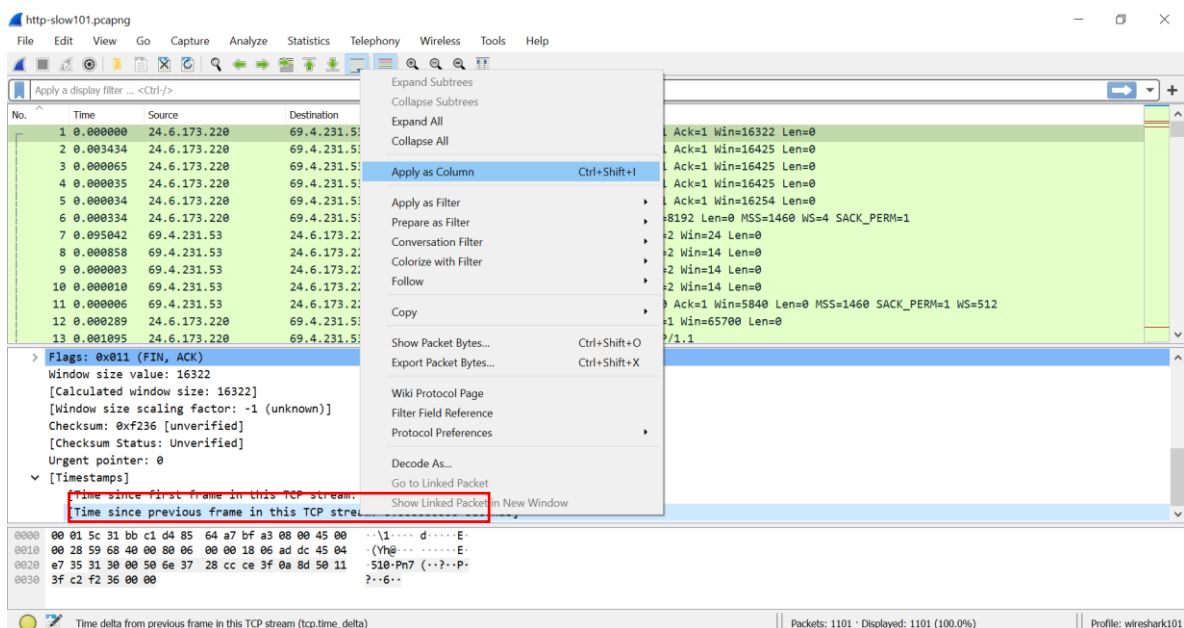
Paso 2 : En la barra donde nos aparecen los nombres daremos click derecho y desmarcaremos la que se llama “LENGHT”



Paso 3 : En la sección de *view* marcaremos la que se llama **SECONDS SINCE PREVIOUS CAPTURED PACKET**



Paso 4 : Daremos click derecho y aplicaremos como una columna



## Paso 5: Nos aparecerá como una nueva columna

The screenshot shows the Wireshark interface with a packet capture of an HTTP connection. A new column, 'Time since previous frame in this TCP stream', has been added to the packet list. This column displays the time interval between the current packet and the previous one in the same TCP stream, all showing as 0.00000000 seconds. The 'Info' pane for the selected packet (No. 1) shows the TCP flags (FIN, ACK), window size (16322), and other details. The status bar at the bottom indicates 1101 packets displayed.

## Paso 6: Con click derecho en la sección de *edit column* podremos hacer diversos cambios

The screenshot shows the Wireshark interface with the 'Edit Column' context menu open over the 'Time since previous frame in this TCP stream' column. The menu offers options to align the column (Left, Center, Right), adjust its width, and edit its properties. The 'Edit Column' option is selected, opening a sub-menu where the column's name, format, and data source can be configured. The 'Time since previous frame in this TCP stream' column is currently set to use the 'tcp.time\_delta' field. The status bar at the bottom shows 1101 packets displayed.

## Cambiaremos el nombre que tiene por defecto a “TCP DELTA”

Wireshark interface showing the packet list and packet details for a TCP stream. The display filter is set to `tcp.time_delta`. The packet list shows 11 packets. The packet details for packet 1 show the TCP header fields.

No.	Time	Source	Destination	Protocol	Info
1	0.000000	24.6.173.220	69.4.231.53	TCP	12592 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16322 Len=0
2	0.003434	24.6.173.220	69.4.231.53	TCP	12591 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16425 Len=0
3	0.000065	24.6.173.220	69.4.231.53	TCP	12595 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16425 Len=0
4	0.000035	24.6.173.220	69.4.231.53	TCP	12590 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16425 Len=0
5	0.000034	24.6.173.220	69.4.231.53	TCP	12594 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16254 Len=0
6	0.000334	24.6.173.220	69.4.231.53	TCP	12607 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
7	0.095042	69.4.231.53	24.6.173.220	TCP	80 → 12598 [ACK] Seq=1 Ack=2 Win=24 Len=0
8	0.000858	69.4.231.53	24.6.173.220	TCP	80 → 12595 [ACK] Seq=1 Ack=2 Win=14 Len=0
9	0.000003	69.4.231.53	24.6.173.220	TCP	80 → 12594 [ACK] Seq=1 Ack=2 Win=14 Len=0
10	0.000010	69.4.231.53	24.6.173.220	TCP	80 → 12591 [ACK] Seq=1 Ack=2 Win=14 Len=0
11	0.000006	69.4.231.53	24.6.173.220	TCP	80 → 12607 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK_F

Flags: 0x011 (FIN, ACK)  
Window size value: 16322  
[Calculated window size: 16322]  
[Window size scaling factor: -1 (unknown)]  
Checksum: 0xf236 [unverified]  
[Checksum Status: Unverified]  
Urgent pointer: 0  
[Timestamps]  
[Time since first frame in this TCP stream: 0.00000000 seconds]  
[Time since previous frame in this TCP stream: 0.00000000 seconds]

## Paso 8 : Con dos clics derechos en TCP DELTA podremos volver al no.1

Wireshark interface showing the packet list and packet details for a TCP stream. The display filter is set to `tcp.time_delta`. The packet list shows 11 packets. The packet details for packet 1 show the TCP header fields.

No.	Time	Source	Destination	Protocol	Info
1	0.000000	24.6.173.220	69.4.231.53	TCP	12592 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16322 Len=0
2	0.003434	24.6.173.220	69.4.231.53	TCP	12591 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16425 Len=0
3	0.000065	24.6.173.220	69.4.231.53	TCP	12595 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16425 Len=0
4	0.000035	24.6.173.220	69.4.231.53	TCP	12590 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16425 Len=0
5	0.000034	24.6.173.220	69.4.231.53	TCP	12594 → 80 [FIN, ACK] Seq=1 Ack=1 Win=16254 Len=0
6	0.000334	24.6.173.220	69.4.231.53	TCP	12607 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
17	0.008281	24.6.173.220	69.4.231.53	TCP	12608 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
26	0.007718	24.6.173.220	69.4.231.53	TCP	80 → 12593 [PSH, ACK] Seq=1 Ack=1 Win=17 Len=334 [TCP segment of
44	0.009983	24.6.173.220	69.4.231.53	TCP	12609 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
62	0.020614	24.6.173.220	69.4.231.53	TCP	12610 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
355	0.003224	24.6.173.220	69.4.231.53	TCP	12621 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
557	0.000001	69.4.231.53	24.6.173.220	TCP	80 → 12621 [ACK] Seq=218600 Ack=672 Win=7680 Len=1460 [TCP segme
580	0.000001	69.4.231.53	24.6.173.220	TCP	80 → 12621 [ACK] Seq=238340 Ack=672 Win=7680 Len=1460 [TCP segme

Flags: 0x011 (FIN, ACK)  
Window size value: 16322  
[Calculated window size: 16322]  
[Window size scaling factor: -1 (unknown)]  
Checksum: 0xf236 [unverified]  
[Checksum Status: Unverified]  
Urgent pointer: 0  
[Timestamps]  
[Time since first frame in this TCP stream: 0.00000000 seconds]  
[Time since previous frame in this TCP stream: 0.00000000 seconds]