



**TECNOLÓGICO  
NACIONAL DE MÉXICO**



**INSTITUTO TECNOLÓGICO DE CANCÚN**

**SISTEMAS COMPUTACIONALES**

**MATERIA: Fundamentos de Telecomunicaciones**

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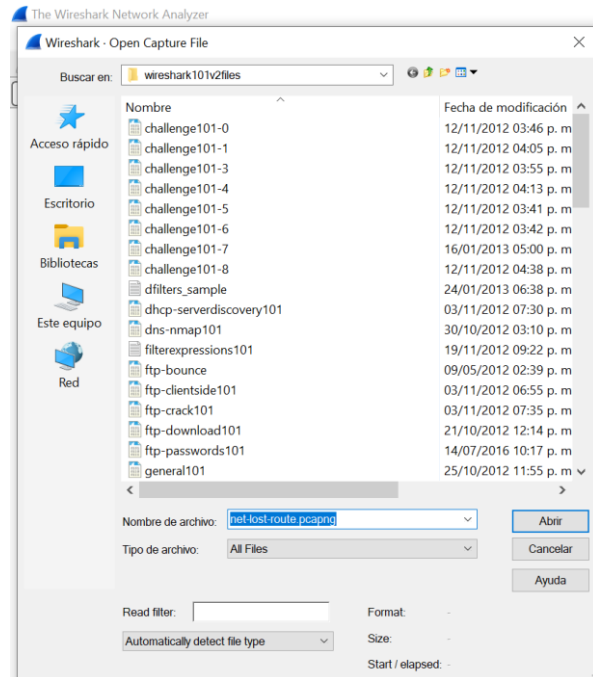
**LABORATORIO: 28**

**Alumno:**

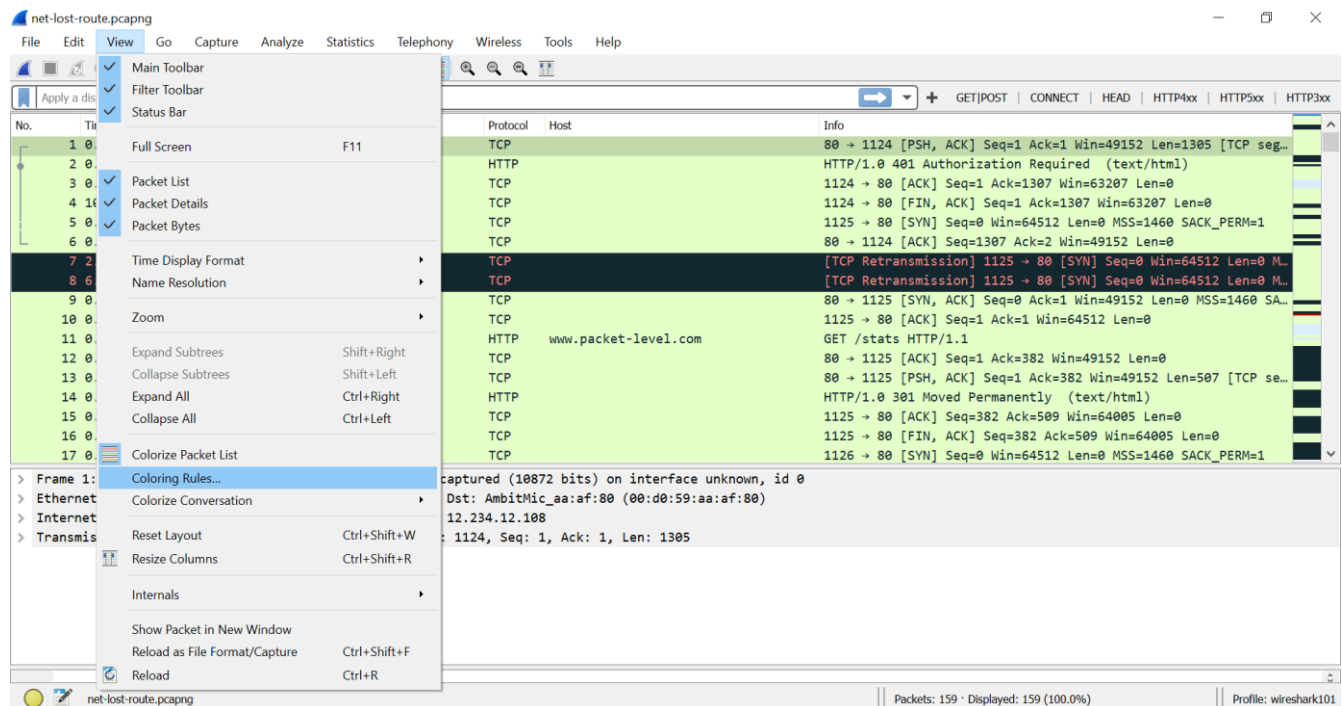
**SARRAGOT PASTRANA WILIAM ADRIEN**

## LAB 28: USE THE INTELLIGENT SCROLLBAR TO QUICKLY FIND PROBLEMS

Abriremos el siguiente archivo



En la pestaña de view y coloring rules



The screenshot displays the Wireshark network protocol analyzer interface. The main packet list on the left shows a capture of traffic from 161.58.73.170 to 12.234.12.108. The packet details pane on the right shows the structure of a TCP segment. The 'Coloring Rules' dialog box is open in the foreground, listing various rules for packet coloring, such as 'T-Retransmissions', 'S-FTP Arguments', 'Bad TCP', 'HSRP State Change', 'Spanning Tree Topology Change', 'OSPF State Change', 'ICMP errors', 'ARP', 'ICMP', 'TCP RST', 'SCTP ABORT', 'FTL low or unexpected', 'Checksum Errors', 'SMB', 'HTTP', 'DCERPC', 'Routing', 'TCP SYN/FIN', 'TCP', and 'UDP'. The 'Background' rule is currently selected.

Wireshark packet capture showing a successful HTTP GET request and response. The packet list shows a GET request from 12.234.12.108 to 161.58.73.170 on port 80. The packet details show the request line 'GET /stats/ HTTP/1.1' and the response line '200 OK (text/plain)'. The packet bytes show the raw data of the request and response.

No.	Time	Source	Destination	Protocol	Host	Info
15	0.000037	12.234.12.108	161.58.73.170	TCP		1125 → 80 [ACK] Seq=382 Ack=509 Win=64005 Len=0
16	0.000253	12.234.12.108	161.58.73.170	TCP		1125 → 80 [FIN, ACK] Seq=382 Ack=509 Win=64005 Len=0
17	0.158637	12.234.12.108	161.58.73.170	TCP		1126 → 80 [SYN] Seq=0 Win=64512 Len=0 MSS=1460 SACK_PERM=1
18	0.081801	161.58.73.170	12.234.12.108	TCP		80 → 1126 [SYN, ACK] Seq=0 Ack=1 Win=49152 Len=0 MSS=1460 SA...
19	0.000051	12.234.12.108	161.58.73.170	TCP		1126 → 80 [ACK] Seq=1 Ack=1 Win=64512 Len=0
20	0.000436	12.234.12.108	161.58.73.170	HTTP	www.packet-level.com	GET /stats/ HTTP/1.1
21	0.158891	161.58.73.170	12.234.12.108	TCP		[TCP Spurious Retransmission] 80 → 1125 [FIN, PSH, ACK] Seq=...
22	0.000080	12.234.12.108	161.58.73.170	TCP		[TCP Dup ACK 15#1] 1125 → 80 [ACK] Seq=383 Ack=509 Win=64005...
23	1.949341	12.234.12.108	161.58.73.170	TCP		[TCP Retransmission] 1125 → 80 [FIN, ACK] Seq=382 Ack=509 Wi...
24	0.079541	161.58.73.170	12.234.12.108	TCP		80 → 1125 [ACK] Seq=509 Ack=383 Win=49152 Len=0
25	0.721616	12.234.12.108	161.58.73.170	TCP		[TCP Retransmission] 1126 → 80 [PSH, ACK] Seq=1 Ack=1 Win=64...
26	0.079445	161.58.73.170	12.234.12.108	TCP		80 → 1126 [ACK] Seq=1 Ack=383 Win=49152 Len=0
27	8.995030	161.58.73.170	12.234.12.108	TCP		80 → 1126 [PSH, ACK] Seq=1 Ack=383 Win=49152 Len=188 [TCP se...
28	0.138774	12.234.12.108	161.58.73.170	TCP		1126 → 80 [ACK] Seq=383 Ack=189 Win=64324 Len=0
29	0.308542	161.58.73.170	12.234.12.108	TCP		80 → 1126 [ACK] Seq=189 Ack=383 Win=49152 Len=1460 [TCP segm...
30	0.001233	161.58.73.170	12.234.12.108	TCP		80 → 1126 [ACK] Seq=1649 Ack=383 Win=49152 Len=1460 [TCP seg...
31	0.000067	12.234.12.108	161.58.73.170	TCP		1126 → 80 [ACK] Seq=383 Ack=3109 Win=64512 Len=0

> Frame 1: 1359 bytes on wire (10872 bits), 1359 bytes captured (10872 bits) on interface unknown, id 0  
 > Ethernet II, Src: Cisco\_3c:f:a8 (00:01:96:3c:f:a8), Dst: Ambitlic\_aa:af:80 (00:d0:59:aa:af:80)  
 > Internet Protocol Version 4, Src: 161.58.73.170, Dst: 12.234.12.108  
 > Transmission Control Protocol, Src Port: 80, Dst Port: 1124, Seq: 1, Ack: 1, Len: 1305