

Instituto Tecnológico de Cancún

Fundamentos de Telecomunicaciones

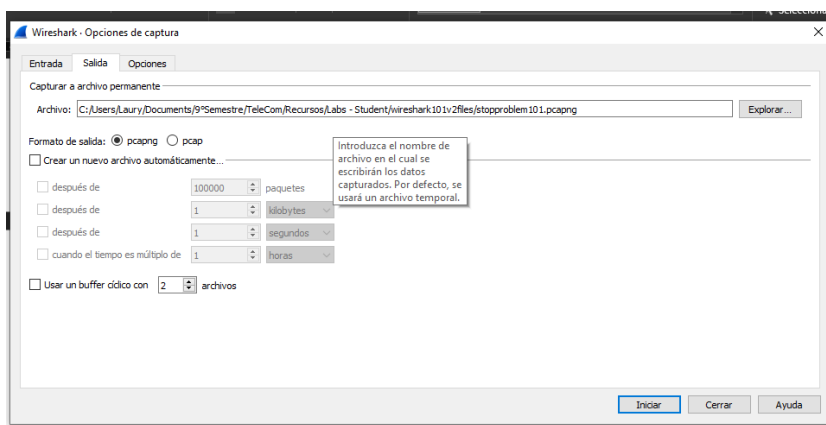
**Lab10 - Use a Ring Buffer to
Conserve Drive Space**

Prof. Ismael Jiménez Sánchez

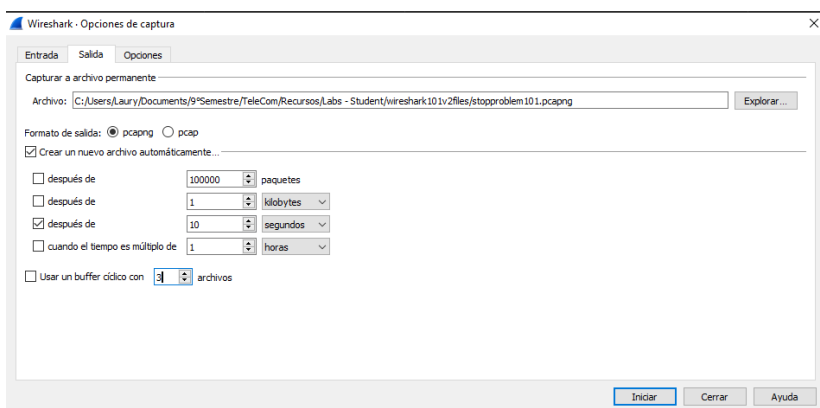
**Alumno(a). Laury del Rosario Mex
Martin**

Ciclo 2020-B

Paso 1: Crearemos un archivo temporal como hicimos en el laboratorio anterior con el nombre stopproblem101.pcapng.



Paso 2: Daremos clic en la casilla crear un nuevo archivo automáticamente y configuramos a que se cree después de 10 segundos y después seleccionamos el ring buffer a 3 archivos.



Paso 3: Iniciamos la captura y navegamos por la pagina www.wireshar.org por 30 segundos, luego navegaremos por www.chapellu.com/nothere.html esto nos debe generar 404 error porque no se encontró el archivo, cerramos las páginas de navegación y detenemos las captura.

Wireshark - News

errore 404 - Chapellu

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No sicuro | chapellu.com/nothere.html

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stopproblem101_00007_20201130075630.pcapng

ArchivioEdiciónVisualización Jr CapturaAnalizarEstadísticasTelefoníaWirelessHerramientasAyuda

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Aplicar un filtro de visualización... <Ctrl-/>

➡

No.	Time	TCP Delta	Source	Destination	Protocol	Host	Info
1	0.000000	0.000000000	142.250.64.227	192.168.0.17	TCP		443 → 22522 [ACK] Seq=1 Ack=1 Win=65535 Len=0
2	0.211206	0.000000000	192.168.0.17	172.217.2.78	HTTP	redirec...	HEAD /edged1/release2/chrome_component/3o7Lnj2MkXB5ezNave49dw_2509/AQHc3HV2drrDz1xLOXeJFhs HTTP/1.1
3	0.041399	0.041399000	172.217.2.78	192.168.0.17	TCP		80 → 22596 [ACK] Seq=1 Ack=227 Win=65535 Len=0
4	0.009217	0.009217000	172.217.2.78	192.168.0.17	HTTP		HTTP/1.1 302 Found
5	0.001813	192.168.0.17	10.223.234.2	DNS			Standard query 0xed46 A r1---sn-j5caxh5n-j0ol.gvt1.com
6	0.014797	10.223.234.2	192.168.0.17	DNS			Standard query response 0xed46 A r1---sn-j5caxh5n-j0ol.gvt1.com CNAME r1.sn-j5caxh5n-j0ol.gvt1.com A 187.25...
7	0.000822	0.000000000	192.168.0.17	187.252.84.140	TCP		22704 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
8	0.012308	0.012308000	187.252.84.140	192.168.0.17	TCP		80 → 22704 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1460 SACK_PERM=1 WS=256
9	0.000134	0.000134000	192.168.0.17	187.252.84.140	TCP		22704 → 80 [ACK] Seq=1 Ack=1 Win=65536 Len=0
10	0.000156	0.000156000	192.168.0.17	187.252.84.140	HTTP	r1---sn...	HEAD /edged1/release2/chrome_component/3o7Lnj2MkXB5ezNave49dw_2509/AQHc3HV2drrDz1xLOXeJFhs?cms_redirect=yes...
11	0.012821	0.012821000	187.252.84.140	192.168.0.17	TCP		80 → 22704 [ACK] Seq=1 Ack=373 Win=66816 Len=0
12	0.000814	0.000814000	187.252.84.140	192.168.0.17	HTTP		HTTP/1.1 200 OK
13	0.020927	0.000000000	192.168.0.17	142.250.64.227	SSL		
14	0.030018	0.050945000	192.168.0.17	187.252.84.140	TCP		22704 → 80 [ACK] Seq=373 Ack=595 Win=65024 Len=0
15	0.000419	0.095029000	192.168.0.17	172.217.2.78	TCP		22596 → 80 [ACK] Seq=227 Ack=565 Win=64240 Len=0
16	0.002302	192.168.0.17	10.223.234.2	DNS			Standard query 0x56d1 A redirector.gvt1.com
17	0.001587	0.034326000	142.250.64.227	192.168.0.17	TCP		443 → 22670 [ACK] Seq=1 Ack=2 Win=65535 Len=0
18	0.016006	10.223.234.2	192.168.0.17	DNS			Standard query response 0x56d1 A redirector.gvt1.com A 172.217.2.78
19	0.025362	0.000000000	192.168.0.17	192.168.0.1	TCP		22705 → 5000 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
20	0.002398	0.002398000	192.168.0.1	192.168.0.17	TCP		5000 → 22705 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM=1 WS=8

> Frame 11: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface Device\WPF_{92E563AA-F098-40BC-9033-830580802E7E}, id 0

> Ethernet II, Src: ARRISGn_f2:2b:70 (f8:8b:37:f2:2b:70), Dst: IntelCor_55:72:24 (a0:af:bd:55:72:24)

> Internet Protocol Version 4, Src: 142.250.64.227, Dst: 192.168.0.17

> Transmission Control Protocol, Src Port: 443, Dst Port: 22522, Seq: 1, Ack: 1, Len: 0

stopproblem101_00007_20201130075630.pcapng

Paquetes: 231 • Mostrado: 231 (100.0%) • Perdido: 0 (0.0%)

Perf: wireshar 101

Paso 4: Miramos los numero de archivos en File|File Set| List Files y vemos que guarda 3 archivos ´por buffer ciclico y tendremos guardado 3 archivos.

Wireshark - 3 archivos en conjunto

Nombre de archivo	Creado	Modificado	Tamaño
stopproblem101_00005_20201130075610.pcapng	2020-11-30 07:56:10	2020-11-30 07:56:20	284kB
stopproblem101_00006_20201130075620.pcapng	2020-11-30 07:56:20	2020-11-30 07:56:30	162kB
stopproblem101_00007_20201130075630.pcapng	2020-11-30 07:56:30	2020-11-30 07:56:30	312 bytes

Directorio: C:\Users\Leury\Documents\9ºSemestre\TeleCom\Recursos\Lebs - Student\wireshark\101\c2files

Cerrar Ayuda

Paso 5: Le damos clic en last packet y visualizamos el error que nos dio en la pagina www.chappellu.com/nothere.html

stopproblem101_00007_20201130075630.pcapng

Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda

Aplique un filtro de visualización: <Ctrl-/>

No.	Time	TCP Delta	Source	Destination	Protocol	Host	Info
139	0.000139	0.000000000	192.168.0.17	192.168.0.1	TCP		22714 → 5000 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
140	0.002784	0.002784000	192.168.0.1	192.168.0.17	TCP		5000 → 22714 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM=1 WS=8
141	0.000129	0.000129000	192.168.0.17	192.168.0.1	TCP		22714 → 5000 [ACK] Seq=1 Ack=1 Win=65536 Len=0
142	0.000152	0.000152000	192.168.0.17	192.168.0.1	HTTP	192.168.0.1	POST /ctl/CmnIfCfg HTTP/1.1
143	0.000004	0.000004000	192.168.0.17	192.168.0.1	HTTP		Continuation
144	0.005553	0.005553000	192.168.0.1	192.168.0.17	TCP		5000 → 22714 [ACK] Seq=1 Ack=318 Win=15672 Len=0
145	0.000000	0.000000000	192.168.0.1	192.168.0.17	TCP		5000 → 22714 [ACK] Seq=1 Ack=631 Win=16744 Len=0
146	0.010396	0.010396000	192.168.0.1	192.168.0.17	HTTP/1.1		200 OK
147	0.000000	0.000000000	192.168.0.1	192.168.0.17	TCP		5000 → 22714 [FIN, ACK] Seq=504 Ack=631 Win=16744 Len=0
148	0.000109	0.000109000	192.168.0.17	192.168.0.1	TCP		22714 → 5000 [ACK] Seq=631 Ack=505 Win=65024 Len=0
149	0.000028	0.000028000	192.168.0.17	192.168.0.1	TCP		22714 → 5000 [FIN, ACK] Seq=631 Ack=505 Win=65024 Len=0
150	0.001822	0.241106000	192.168.0.17	172.217.2.78	HTTP	redirect...	GET /edged1/release2/chrome_component/Jo7Lnj2MkXB5ezNave49dw_2509/AQHc3HV2drrDz1xLOxe7Fhs HTTP/1.1
151	0.001544	0.003366000	192.168.0.1	192.168.0.17	TCP		5000 → 22714 [ACK] Seq=505 Ack=632 Win=16744 Len=0
152	0.038705	0.040249000	172.217.2.78	192.168.0.17	TCP		80 → 22596 [ACK] Seq=565 Ack=504 Win=65535 Len=0
153	0.014278	0.014278000	172.217.2.78	192.168.0.17	HTTP		HTTP/1.1 302 Found (text/html)
154	0.017920	0.313972000	192.168.0.17	187.252.84.140	HTTP	r1---sn...	GET /edged1/release2/chrome_component/Jo7Lnj2MkXB5ezNave49dw_2509/AQHc3HV2drrDz1xLOxe7Fhs/cms_redirect=yes&...
155	0.012417	0.012417000	187.252.84.140	192.168.0.17	HTTP		HTTP/1.1 200 OK
156	0.000000	0.000000000	187.252.84.140	192.168.0.17	HTTP		Continuation
157	0.000121	0.000121000	192.168.0.17	187.252.84.140	TCP		22704 → 80 [ACK] Seq=784 Ack=3515 Win=65536 Len=0
158	0.010951	0.010951000	187.252.84.140	192.168.0.17	HTTP		Continuation

> Frame 153: 1088 bytes on wire (8704 bits), 1088 bytes captured (8704 bits) on interface Device\NPF_{92E563AA-F098-40BC-9033-83D5808D2E7E}, id 0

> Ethernet II, Src: ARRISGn_f2:2b:70 (f8:0b:37:f2:2b:70), Dst: IntelCor_55:72:24 (a0:af:bd:55:72:24)

> Internet Protocol Version 4, Src: 172.217.2.78, Dst: 192.168.0.17

> Transmission Control Protocol, Src Port: 80, Dst Port: 22596, Seq: 565, Ack: 504, Len: 1034

> Hypertext Transfer Protocol

> Line-based text data: text/html (6 lines)

stopproblem101_00007_20201130075630.pcapng

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Perfil: wireshark 101