



TECNOLOGICO NACIONAL DE MEXICO

INSTITUTO TECNOLÓGICO DE CANCÚN

FUNDAMENTOS DE TELECOMUNICACIONES

Ingeniería en Sistemas Computacionales

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ACTIVIDAD

“LABORATORIO 35”

UNIDAD 3

1)

Wireshark

Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda

Aplicar un filtro de visualización: <Ctrl>F

Wireshark - Información especializada: http-download101.pcapng

No.	Time	Source
1	0.000000	10.0.52.16
2	0.167521	61.8.0.17
3	0.167556	10.0.52.16
4	0.169750	10.0.52.16
5	0.325484	61.8.0.17
6	0.327342	61.8.0.17
7	0.335186	61.8.0.17
8	0.335492	10.0.52.16

> Frame 1: 66 bytes on wire (528 bits) captured (528 bits) on interface Sony_F4:08:00:27:10:00

> Ethernet II, Src: Sony_F4:08:00:27:10:00, Dst: 61:80:00:00:00:00

> Internet Protocol Version 4, Src: 10.0.52.16, Dst: 61.8.0.17

> Transmission Control Protocol, Src Port: 2550, Dst Port: 80, Seq: 155090, Len: 0

Gravedad	Resumen	Grupo	Protocolo	Recuento
> Warning	Connection reset (RST)	Sequence	TCP	1
> Warning	TCP Zero Window segment	Sequence	TCP	7
> Warning	TCP window specified by the receiver is now completely full	Sequence	TCP	1
> Warning	This frame is a (suspected) out-of-order segment	Sequence	TCP	83

239 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=155090 Ack=446... Sequence TCP

240 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=156550 Ack=446... Sequence TCP

242 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=159470 Ack=446... Sequence TCP

244 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=160930 Ack=446... Sequence TCP

246 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=162390 Ack=446... Sequence TCP

274 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=158010 Ack=446... Sequence TCP

302 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=219330 Ack=446... Sequence TCP

303 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=220790 Ack=446... Sequence TCP

407 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=306930 Ack=446... Sequence TCP

413 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=315690 Ack=446... Sequence TCP

418 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=318610 Ack=446... Sequence TCP

682 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=499650 Ack=446... Sequence TCP

692 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=511330 Ack=446... Sequence TCP

702 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=509870 Ack=446... Sequence TCP

719 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=531770 Ack=446... Sequence TCP

955 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=693830 Ack=446... Sequence TCP

965 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=708430 Ack=446... Sequence TCP

967 [TCP Out-Of-Order] 80 → 2550 [PSH, ACK] Seq=709890 Ack=446... Sequence TCP

1131 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=817930 Ack=446... Sequence TCP

1134 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=820850 Ack=446... Sequence TCP

1324 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=958090 Ack=446... Sequence TCP

1618 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1150810 Ack=446... Sequence TCP

1668 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1194610 Ack=446... Sequence TCP

1686 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1216510 Ack=446... Sequence TCP

1940 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1375650 Ack=446... Sequence TCP

1964 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1407770 Ack=446... Sequence TCP

1966 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1409230 Ack=446... Sequence TCP

1968 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1410680 Ack=446... Sequence TCP

1970 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1412150 Ack=446... Sequence TCP

1972 [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=1413610 Ack=446... Sequence TCP

Transmission Control Protocol

No hay contenido de filtro de visualización.

Paquetes: 7195 · Mostrado: 7195 (100.0%)

Perf: wireshark101

09:32 a. m. 07/12/2020

2)

http-download101.pcapng

Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda

Aplicar un filtro de visualización: <Ctrl>F

No.	Time	Source	Destination	Protocol	Length	Host	Info
1327	51.427827	10.0.52.164	61.8.0.17	TCP	54		[TCP Window Update] 2550 → 80 [ACK] Seq=446 Ack=969770 Win=256960 Len=0
364	3.675880	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
366	4.342199	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
368	5.475743	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
370	7.673793	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
372	11.801900	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
374	19.866136	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0
376	35.948487	10.0.52.164	61.8.0.17	TCP	54		[TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 Win=0 Len=0

> Frame 364: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface unknown, id 0

> Ethernet II, Src: Sony_F4:08:00:27:10:00, Dst: 3Com_c9:51:b6 (00:04:75:c9:51:b6)

> Internet Protocol Version 4, Src: 10.0.52.164, Dst: 61.8.0.17

> Transmission Control Protocol, Src Port: 2550, Dst Port: 80, Seq: 446, Ack: 298170, Len: 0

0000 00 04 75 c9 51 b6 08 00 46 f4 3a 09 08 00 45 00 ..u.Q...F...E..

0010 00 28 1a 5c 40 00 40 06 a4 b7 0a 00 34 a4 3d 08 .(\@ @4...-

0020 00 11 09 f6 00 50 02 f8 ed ee 7c a2 77 bf 50 10P...|w.P..

0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00P.....

Paquetes: 7195 · Mostrado: 7195 (100.0%)

Perf: Default

09:38 a. m. 07/12/2020