

INSTITUTO TECNOLÓGICO DE CANCUN



Nombre De La Materia: Fundamentos De Telecomunicaciones

Nombre De La Unidad: Sistemas de comunicación

N.º De Actividad: Laboratorio 36

Nombre Del Alumno: Vazquez Canto Andres Omar

N.º De Control: 17530439

Lab36- Detect and Graph File Transfer Problems

Paso 1:

general101d.pcapng

Wireshark · Open Capture File

Buscar en: wireshark101v2files

Acceso rápido

Escritorio

Bibliotecas

Este equipo

Red

Nombre	Fecha de modificación	Tipo	Tamaño
general101.pcapng	25/10/2012 23:55	Wireshark capture...	92 KB
general101b.pcapng	02/11/2012 15:13	Wireshark capture...	182 KB
general101c.pcapng	06/11/2012 13:38	Wireshark capture...	449 KB
general101d.pcapng	06/11/2012 15:47	Wireshark capture...	34.807 KB
gen-startupchatty101.pcapng	02/11/2012 14:28	Wireshark capture...	3.240 KB
hostinformation.csv	02/12/2020 22:50	Archivo de valores...	10 KB
http-au101b.pcapng	23/10/2012 17:09	Wireshark capture...	747 KB
http-browse101.pcapng	20/10/2012 17:50	Wireshark capture...	1.719 KB
http-browse101b.pcapng	08/11/2012 14:55	Wireshark capture...	119 KB
http-browse101c.pcapng	04/11/2012 20:31	Wireshark capture...	838 KB
http-browse101d.pcapng	04/11/2012 20:31	Wireshark capture...	838 KB
http-chappellu101.pcapng	24/10/2012 16:10	Wireshark capture...	948 KB
http-chappellu101b.pcapng	24/01/2013 18:41	Wireshark capture...	615 KB
http-cheez101.pcapng	03/01/2013 17:51	Wireshark capture...	4.004 KB
http-college101.pcapng	07/11/2012 12:44	Wireshark capture...	1.717 KB
http-disney101.pcapng	24/10/2012 16:03	Wireshark capture...	6.216 KB
httpdnsprofile.zip	30/10/2012 19:37	Archivo WinRAR Z...	34 KB
http-download101.pcapng	24/10/2012 15:06	Wireshark capture...	5.676 KB
http-download101c.pcapng	02/11/2012 12:40	Wireshark capture...	27.344 KB
http-download101d.pcapng	02/11/2012 17:23	Wireshark capture...	22.147 KB
http-download-a.pcapng	08/05/2012 17:14	Wireshark capture...	168.118 KB

Nombre de archivo: general101d.pcapng

Tipo de archivo: All Files

Read filter: Automatically detect file type

Format: Wireshark/... - pcapng

Size: 33MiB, 37422 data records

Start / elapsed: 2011-02-15 10:09:35 / 00:01:36

Abrir

Cancelar

Ayuda

0000 00 0c ce 00 00 00 0c ce 00 00 01 08 00 45 00E
0010 05 50 11 2f 40 00 4e 06 ef 53 0a 09 09 09 0a 0a .P./@.N..S.....
0020 0a 0a 75 30 05 c7 d7 d6 53 38 6b 4c e9 f2 50 10 ..u0...S8kL..P.
0030 00 2e 90 6d 00 00 34 20 38 36 20 43 34 20 45 38 ..m..4 86 C4 E8
0040 20 42 43 20 42 33 20 46 45 20 35 35 20 39 38 20 BC B3 F E 55 98
0050 36 39 20 43 44 20 32 41 20 41 30 20 44 30 20 46 69 CD 2A A0 D0 F
0060 44 20 37 35 20 39 45 20 41 37 20 38 43 20 39 34 D 75 9E A7 8C 94
0070 20 41 43 20 33 43 20 30 32 20 35 37 20 37 38 20 AC 3C 0 2 57 78
0080 39 31 20 37 30 20 44 35 20 37 45 20 44 34 20 46 91 70 D5 7E D4 F
0090 35 20 34 38 20 39 34 20 42 38 20 42 34 20 30 37 5 48 94 B8 B4 07
00a0 20 35 43 20 36 39 20 44 39 20 41 32 20 41 35 20 5C 69 D 9 A2 A5
00b0 44 42 20 45 43 20 33 44 20 34 43 20 44 37 20 32 DB EC 3D 4C D7 2
00c0 39 20 41 43 20 36 34 20 33 38 20 34 31 20 43 36 9 AC 64 38 41 C6
00d0 20 36 30 20 46 32 20 31 34 20 46 44 20 36 31 20 60 F2 1 4 FD 61
00e0 31 36 20 41 32 20 38 37 20 38 35 20 45 34 20 45 16 A2 87 85 E4 E
00f0 45 20 37 32 20 46 32 20 34 30 20 35 39 20 37 34 E 72 F2 40 59 74
0100 20 39 36 20 45 46 20 43 43 20 39 36 20 32 43 20 96 EF C C 96 2C
0110 42 43 20 41 37 20 37 36 20 35 30 20 39 33 20 37 BC A7 76 50 93 7
0120 38 20 38 35 20 46 38 20 44 30 20 37 35 20 43 35 8 85 F8 D0 75 C5
0130 20 42 44 20 39 41 20 45 34 20 31 44 20 38 43 20 BD 9A E 4 1D 8C

general101d.pcapng

Packets: 37422 · Displayed: 37422 (100.0%)

Profile: wireshark101

Paso 2:

The image shows the Wireshark network protocol analyzer interface. The main window displays a packet capture file named 'general101d.pcapng'. The packet list on the left shows 18 packets, with the first packet selected. The packet details pane on the left shows the structure of the first packet: Ethernet II, Internet Protocol, and Transmission Control Protocol. The packet bytes pane at the bottom shows the raw data of the first packet in hexadecimal and ASCII.

The 'Wireshark · Expert Information · general101d.pcapng' window is open, displaying a list of events. The table below summarizes the events shown:

Severity	Summary	Group	Protocol
Warning	This frame is a (suspected) out-of-order segment	Sequence	TCP
Warning	D-SACK Sequence	Sequence	TCP
Warning	Previous segment(s) not captured (common at capture sta...	Sequence	TCP
Note	This frame is a (suspected) fast retransmission	Sequence	TCP
Note	This frame is a (suspected) retransmission	Sequence	TCP
Note	Duplicate ACK (#1)	Sequence	TCP
Chat	Connection finish (FIN)	Sequence	TCP

The bottom status bar shows the capture rate as 100.0% and the profile as 'wireshark101'.

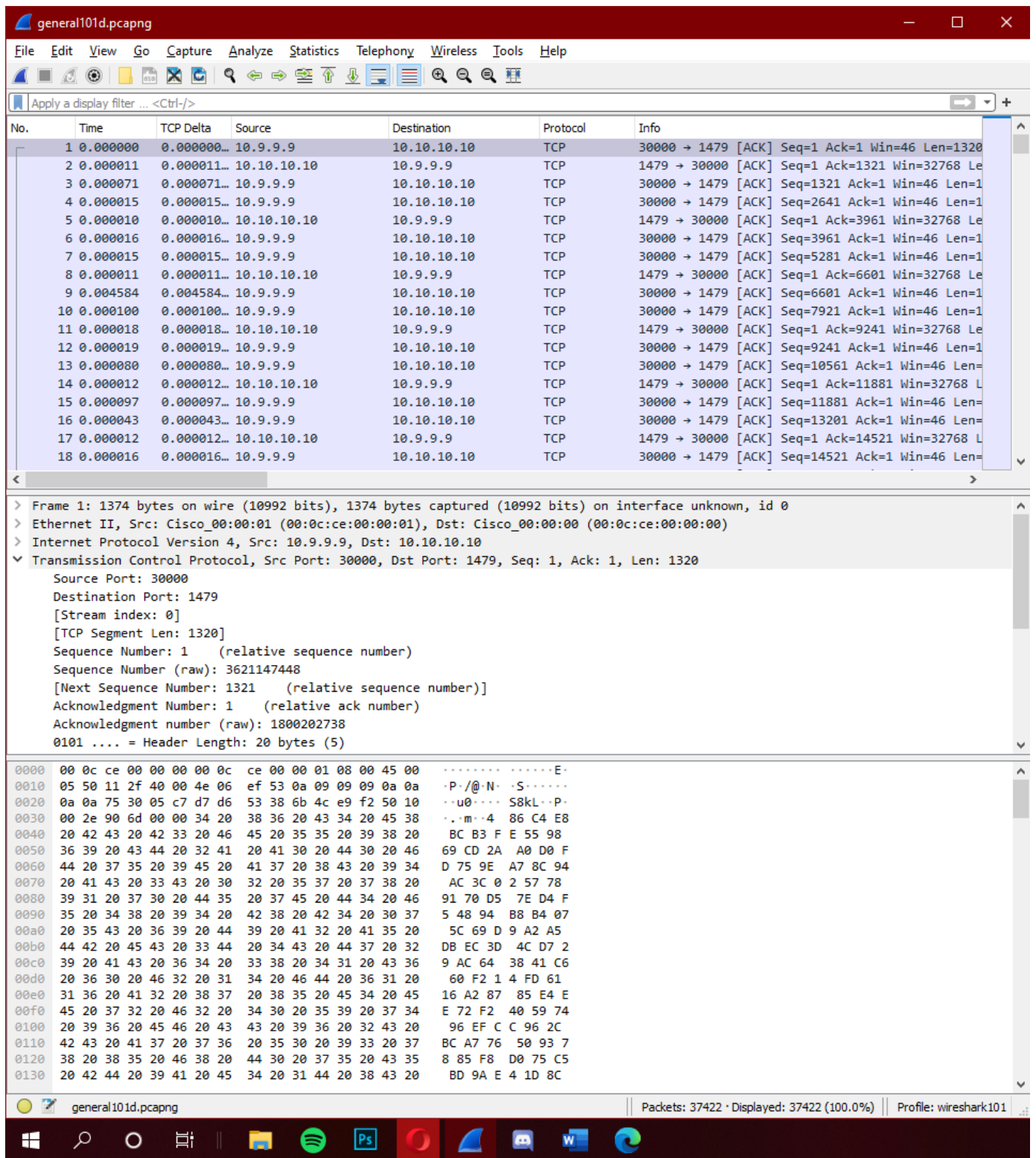
Paso 3:

The image shows the Wireshark network protocol analyzer interface. The main window is titled "Wireshark - Expert Information - general101d.pcapng". The interface is divided into several panes:

- Packet List:** Displays a list of captured packets. The selected packet is 12035, which is a TCP segment. The list includes columns for No., Time, Severity, Summary, Group, and Protocol.
- Packet Details:** Shows the structure of the selected packet. It is a TCP segment with the following details:
 - Stream index: [TCP Segment Length]
 - Sequence Number: 30000
 - Acknowledgment Number: 1479
 - Next Sequence Number: 30000
 - Acknowledgment: 1479
- Packet Bytes:** Displays the raw data of the selected packet in hexadecimal and ASCII format.

The packet details pane also shows a warning message: "Warning: Previous segment(s) not captured (common at capture station)". This indicates that the packet is a retransmission or a fast retransmission, as the previous segment(s) were not captured.

Paso 4:



The image shows a Wireshark window titled "general101d.pcapng" displaying a packet capture. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. Below the menu is a toolbar with various icons for file operations, packet navigation, and analysis. A display filter bar shows "Apply a display filter ... <Ctrl-/>".

The main packet list pane shows 18 packets. The selected packet (No. 1) is a TCP segment from 10.9.9.9 to 10.10.10.10, Seq=1, Ack=1, Win=46, Len=1320. The packet details pane shows the following information:

- Frame 1: 1374 bytes on wire (10992 bits), 1374 bytes captured (10992 bits) on interface unknown, id 0
- Ethernet II, Src: Cisco_00:00:01 (00:0c:ce:00:00:01), Dst: Cisco_00:00:00 (00:0c:ce:00:00:00)
- Internet Protocol Version 4, Src: 10.9.9.9, Dst: 10.10.10.10
- Transmission Control Protocol, Src Port: 30000, Dst Port: 1479, Seq: 1, Ack: 1, Len: 1320
 - Source Port: 30000
 - Destination Port: 1479
 - [Stream index: 0]
 - [TCP Segment Len: 1320]
 - Sequence Number: 1 (relative sequence number)
 - Sequence Number (raw): 3621147448
 - [Next Sequence Number: 1321 (relative sequence number)]
 - Acknowledgment Number: 1 (relative ack number)
 - Acknowledgment number (raw): 1800202738
 - 0101 = Header Length: 20 bytes (5)

The packet bytes pane shows the raw data in hexadecimal and ASCII. The ASCII column shows the following text:

```
.....E-
P./@.N. S.....
..u0....S8kL..P-
..m..4 86 C4 E8
BC B3 F E 55 98
69 CD 2A A0 D0 F
D 75 9E A7 8C 94
AC 3C 0 2 57 78
91 70 D5 7E D4 F
5 48 94 B8 B4 07
5C 69 D 9 A2 A5
DB EC 3D 4C D7 2
9 AC 64 38 41 C6
60 F2 1 4 FD 61
16 A2 87 85 E4 E
E 72 F2 40 59 74
96 EF C C 96 2C
BC A7 76 50 93 7
8 85 F8 D0 75 C5
BD 9A E 4 1D 8C
```

The bottom status bar shows "Packets: 37422 · Displayed: 37422 (100.0%) | Profile: wireshark101".

Paso 5:

general101d.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Time	TCP Delta	Source	Destination	Protocol	Info
1	0.000000	0.000000...	10.9.9.9	10.10.10.10	TCP	30000 → 1479 [ACK] Seq=1 Ack=1 Win=46 Len=1320
2	0.000011	0.000011...	10.10.10.10	10.9.9.9	TCP	1479 → 30000 [ACK] Seq=1 Ack=1321 Win=32768 Le
3	0.000071	0.000071...	10.9.9.9	10.10.10.10	TCP	30000 → 1479 [ACK] Seq=1321 Ack=1 Win=46 Len=1
4	0.000015	0.000015...	10.9.9.9	10.10.10.10	TCP	30000 → 1479 [ACK] Seq=1321 Ack=1 Win=46 Len=1

Wireshark I/O Graphs · general101d.pcapng

Wireshark I/O Graphs: general101d.pcapng

Packets/1 sec

Time (s)

tcp.analysis.windows_update is neither a field nor a protocol name. No packets in interval (78s).

Enabled	Graph Name	Display Filter	Color	Style	Y Axis	Y Field	SMA Period
<input type="checkbox"/>	All Packets	!ip.addr==184.0...		Square	Packets		None
<input checked="" type="checkbox"/>	TCP ERROR	tcp.analysis.flag...		Line	Packets		None

+ - [Icons] Mouse ☒ drags ☐ zooms Interval 1 sec ☐ Time of day ☐ Log scale Reset

Save As... Copy Copy from Close Help

0000	00	20	35	43	20	36	39	20	44	39	20	41	32	20	41	35	20	5C	69	D	9	A2	A5
0020	0a	44	42	20	45	43	20	33	44	20	34	43	20	44	37	20	32	DB	EC	3D	4C	D7	2
0030	00	39	20	41	43	20	36	34	20	33	38	20	34	31	20	43	36	9	AC	64	38	41	C6
00d0		20	36	30	20	46	32	20	31	34	20	46	44	20	36	31	20	60	F2	1	4	FD	61
00e0		31	36	20	41	32	20	38	37	20	38	35	20	45	34	20	45	16	A2	87	85	E4	E
00f0		45	20	37	32	20	46	32	20	34	30	20	35	39	20	37	34	E	72	F2	40	59	74
0100		20	39	36	20	45	46	20	43	43	20	39	36	20	32	43	20	96	EF	C	C	96	2C
0110		42	43	20	41	37	20	37	36	20	35	30	20	39	33	20	37	BC	A7	76	50	93	7
0120		38	20	38	35	20	46	38	20	44	30	20	37	35	20	43	35	8	85	F8	D0	75	C5
0130		20	42	44	20	39	41	20	45	34	20	31	44	20	38	43	20	BD	9A	E	4	1D	8C

tcp.analysis.windows_update is neither a field nor a protocol name.

Packets: 37422 · Displayed: 37422 (100.0%) Profile: wireshark101

Paso 6

Portada.docx - Word Omar Vazquez Canto

Archivo Inicio Insertar Diseño Disposición Referencias Correspondencia Revisar Vista Ayuda ¿Qué desea? Compartir

Calibri (Cuerpo) 11

Pegar

Portapapeles

Fuente

Párrafo

Estilos

Edición

Confidencialidad

Confidencialidad

Wireshark · I/O Graphs · general101d.pcapng

Wireshark I/O Graphs: general101d.pcapng

Packets/sec

Time (s)

"tcp.analysis.windows_update" is neither a field nor a protocol name. Hover over the graph for details.

Enabled	Graph Name	Display Filter	Color	Style	Y Axis	Y Field	SMA Period
<input type="checkbox"/>	All Packets	!ip.addr==184.0...		Square	Packets		None
<input checked="" type="checkbox"/>	TCP ERROR	tcp.analysis.flag...		Bar	Packets		None

+ - [Icons] Mouse ☒ drags ☐ zooms Interval 1 sec ☐ Time of day ☒ Log scale Reset

Save As... Copy Copy from Close Help

Paso 6

Página 7 de 7 54 palabras Español (España) 70 %

[Taskbar icons: Windows, Search, File Explorer, Spotify, Photoshop, Edge, Word, etc.]