



TECNOLOGICO NACIONAL DE MEXICO

INSTITUTO TECNOLÓGICO DE CANCÚN

FUNDAMENTOS DE TELECOMUNICACIONES

Ingeniería en Sistemas Computacionales

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ACTIVIDAD

“LABORATORIO 20”

UNIDAD 3

1)

general101b.pcapng

Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda

tcp.flags == 0x002

No.	Time	Source	Destination	Protocol	Info
1	0.000000	24.6.173.220	216.115.212.254	TCP	16190 → 443 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
2	0.012723	216.115.212.254	24.6.173.220	TCP	443 → 16190 [SYN, ACK] Seq=0 Ack=1 Win=8190 Len=0 MSS=1460
3	0.017500	24.6.173.220	216.115.212.254	TCP	16190 → 443 [ACK] Seq=1 Ack=1 Win=64240 Len=0
4	0.017901	24.6.173.220	216.115.212.254	TCP	16190 → 443 [FIN, ACK] Seq=1 Ack=1 Win=64240 Len=0
5	0.036863	216.115.212.254	24.6.173.220	TCP	443 → 16190 [FIN, ACK] Seq=1 Ack=2 Win=16380 Len=0
6	0.037057	24.6.173.220	216.115.212.254	TCP	16190 → 443 [ACK] Seq=2 Ack=2 Win=64240 Len=0
7	0.123640	24.6.173.220	67.217.65.244	TCP	16191 → 443 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
8	0.134508	24.6.173.220	64.74.80.187	TCP	16192 → 443 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
9	0.209668	67.217.65.244	24.6.173.220	TCP	443 → 16191 [SYN, ACK] Seq=0 Ack=1 Win=8190 Len=0 MSS=1460

[Stream Index: 0]
[TCP Segment Len: 0]
Sequence Number: 0 (relative sequence number)
Sequence Number (raw): 406986883
[Next Sequence Number: 1 (relative sequence number)]
Acknowledgment Number: 0
Acknowledgment number (raw): 0
1000 = Header Length: 32 bytes (8)
Flags: 0x002 (SYN)
Window: 8192

```

0000 00 01 5c 31 bb c1 d4 85 64 a7 bf a3 08 00 45 00  ..\....d....E.
0010 00 34 01 c0 40 00 00 06 00 00 18 06 ad dc d8 73  .4. ....s
0020 d4 fe 3f 3e 01 bb f2 95 45 53 00 00 00 00 02  ..?>....ES.....
0030 20 00 73 7b 00 00 02 04 05 b4 01 03 03 02 01 01  s{.....
0040 04 02

```

Flags (12 bits) (tcp.flags), 2 byte(s) Paquetes: 575 - Mostrado: 575 (100.0%) Perfi: wireshark101

2)

general101b.pcapng

Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda

tcp.flags == 0x0002 && ip.dst == 24.6.0.0/16

No.	Time	Source	Destination	Protocol	Info
352	48.559...	121.125.72.180	24.6.169.43	TCP	57003 → 8880 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM=1
353	48.816...	121.125.72.180	24.6.173.220	TCP	57003 → 8880 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM=1
535	102.78...	24.6.169.43	24.6.173.220	TCP	54700 → 21 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
537	105.78...	24.6.169.43	24.6.173.220	TCP	[TCP Retransmission] 54700 → 21 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
551	111.78...	24.6.169.43	24.6.173.220	TCP	[TCP Retransmission] 54700 → 21 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 SACK_PERM=1

Transmission Control Protocol, Src Port: 57003, Dst Port: 8880, Seq: 0, Len: 0

Source Port: 57003
Destination Port: 8880
[Stream Index: 23]
[TCP Segment Len: 0]
Sequence Number: 0 (relative sequence number)
Sequence Number (raw): 195426019
[Next Sequence Number: 1 (relative sequence number)]
Acknowledgment Number: 34203886
Acknowledgment number (raw): 34203886

```

0000 c8 60 00 19 9e 19 00 01 5c 31 bb c1 08 00 45 20  .....1....E
0010 00 30 aa dd 00 00 73 06 19 68 79 7d 40 b4 18 06  .0...s..hy)H...
0020 a9 2b de ab 22 b0 0b a5 f6 e3 02 09 ee e8 70 02  .+...p
0030 ff ff 10 e0 00 00 02 04 05 b4 01 01 04 02

```

general101b.pcapng Paquetes: 575 - Mostrado: 5 (0.9%) Perfi: wireshark101