

también quiere establecer otra sesión con el cliente(Syn: set) y que el número de secuencia inicial de servidor a cliente es 0(Sequence number: 0). Recuerde, Wireshark resta el valor inicial generado para hacer más fácil el seguimiento. Por eso es 0.

No.	Time	Source	Destination	Protocol	Length	Info
200	17.049063	192.168.0.158	13.107.4.52	TCP	66	51693 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
208	17.070004	13.107.4.52	192.168.0.158	TCP	66	80 → 51693 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1440 WS=256 SACK_PERM=1
209	17.070104	192.168.0.158	13.107.4.52	TCP	54	51693 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
210	17.070258	192.168.0.158	13.107.4.52	HTTP	208	GET /connecttest.txt HTTP/1.1
212	17.094872	13.107.4.52	192.168.0.158	TCP	54	80 → 51693 [ACK] Seq=1 Ack=155 Win=262656 Len=0
217	17.131901	13.107.4.52	192.168.0.158	HTTP	568	HTTP/1.1 200 OK (text/plain)
218	17.131903	13.107.4.52	192.168.0.158	TCP	54	80 → 51693 [FIN, ACK] Seq=515 Ack=155 Win=262656 Len=0
219	17.132059	192.168.0.158	13.107.4.52	TCP	54	51693 → 80 [ACK] Seq=155 Ack=516 Win=65536 Len=0
220	17.132135	192.168.0.158	13.107.4.52	TCP	54	51693 → 80 [FIN, ACK] Seq=155 Ack=516 Win=65536 Len=0
230	17.150255	13.107.4.52	192.168.0.158	TCP	54	80 → 51693 [ACK] Seq=516 Ack=156 Win=262656 Len=0

Transmission Control Protocol, Src Port: 80, Dst Port: 51693, Seq: 0, Ack: 1, Len: 0

Source Port: 80
Destination Port: 51693
[Stream index: 4]
[TCP Segment Len: 0]
Sequence number: 0 (relative sequence number)
Acknowledgment number: 1 (relative ack number)
1000 = Header Length: 32 bytes (8)

Flags: 0x012 (SYN, ACK)

000. = Reserved: Not set
...0 = Nonce: Not set
.... 0... = Congestion Window Reduced (CWR): Not set
.... 0... = ECN-Echo: Not set
.... ..0. = Urgent: Not set
.... ...1 = Acknowledgment: Set
....0 = Push: Not set
....0.. = Reset: Not set
>1. = Syn: Set
....0 = Fin: Not set
[TCP Flags:A..S..]
Window size value: 65535
[Calculated window size: 65535]
Checksum: 0xc3d [unverified]
[Checksum Status: Unverified]

El cliente responde que está de acuerdo con la sesión que el servidor quiere mantener con él(Acknowledgment:Set) y que el próximo byte que espera obtener del servidor es el 1(Acknowledgment number:1).

No.	Time	Source	Destination	Protocol	Length	Info
200	17.049063	192.168.0.158	13.107.4.52	TCP	66	51693 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
208	17.070004	13.107.4.52	192.168.0.158	TCP	66	80 → 51693 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1440 WS=256 SACK_PERM=1
209	17.070104	192.168.0.158	13.107.4.52	TCP	54	51693 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
210	17.070258	192.168.0.158	13.107.4.52	HTTP	208	GET /connecttest.txt HTTP/1.1
212	17.094872	13.107.4.52	192.168.0.158	TCP	54	80 → 51693 [ACK] Seq=1 Ack=155 Win=262656 Len=0
217	17.131901	13.107.4.52	192.168.0.158	HTTP	568	HTTP/1.1 200 OK (text/plain)
218	17.131903	13.107.4.52	192.168.0.158	TCP	54	80 → 51693 [FIN, ACK] Seq=515 Ack=155 Win=262656 Len=0
219	17.132059	192.168.0.158	13.107.4.52	TCP	54	51693 → 80 [ACK] Seq=155 Ack=516 Win=65536 Len=0
220	17.132135	192.168.0.158	13.107.4.52	TCP	54	51693 → 80 [FIN, ACK] Seq=155 Ack=516 Win=65536 Len=0
230	17.150255	13.107.4.52	192.168.0.158	TCP	54	80 → 51693 [ACK] Seq=516 Ack=156 Win=262656 Len=0

Transmission Control Protocol, Src Port: 51693, Dst Port: 80, Seq: 1, Ack: 1, Len: 0

Source Port: 51693
Destination Port: 80
[Stream index: 4]
[TCP Segment Len: 0]
Sequence number: 1 (relative sequence number)
Acknowledgment number: 1 (relative ack number)
0101 = Header Length: 20 bytes (5)

Flags: 0x010 (ACK)

000. = Reserved: Not set
...0 = Nonce: Not set
.... 0... = Congestion Window Reduced (CWR): Not set
.... 0... = ECN-Echo: Not set
.... ..0. = Urgent: Not set
.... ...1 = Acknowledgment: Set
....0 = Push: Not set
....0.. = Reset: Not set
....0.. = Syn: Not set
....0 = Fin: Not set
[TCP Flags:A....]
Window size value: 258
[Calculated window size: 66048]
[Window size scaling factor: 256]
Checksum: 0x8dfb [unverified]

El cliente pide ahora la página web al servidor:

Para ello envía 154 bytes de datos([TCP Segment Len: 154]). En ella le indica, entre otros aspectos, cual es la pagina que quiere.

El primer byte enviado es el 1(Secquence number: 1)

Le indica al protocolo TCP que no espere por más segmentos para enviar la petición a la aplicación del servidor(Push: Set)