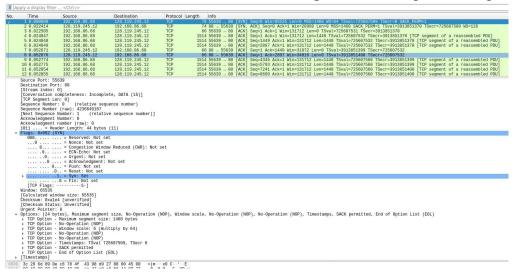
1: 192.168.86.68:55639 2: 128.119.245.12:80

3: Seq number: 0

The SYN flag being set to 1 is what identifies the segment as a SYN segment The TCP receiver will be able to use Selective Acknowledgments. SACK permitted option is enabled



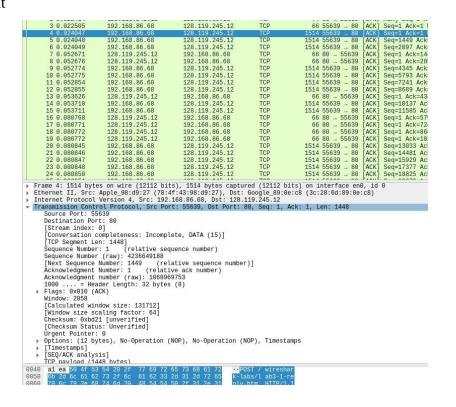
4: Seq num: 0

SYN and ACK flags are set

Value of ACK is 1

The server adds 1 to the sequence number which was 0

5: Seq Number: 1 1448 Bytes It did not all fit



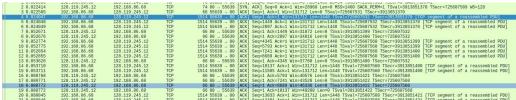
6: .024047

.052671

.052671 - .024047 = .028624

.052676 - .024048 = .028628

.0875 * .028624 + .125 * .028624 = .0060826



- 7: 1448 bytes
- 8: 131712

Sender is not throttled

Found in screenshot for Q5

- 9: No. Verified by analyzing sequence numbers. Since the sequence numbers never go down over time, there were no retransmissions.
- 10: Receiver typically acknowledges 1448 bytes.

There are cases where the receiver is ACKing every other segment.

See screenshot for Q6

11: I am not sure