COMP2322 Computer Networking

Lab 6 Report: TCP

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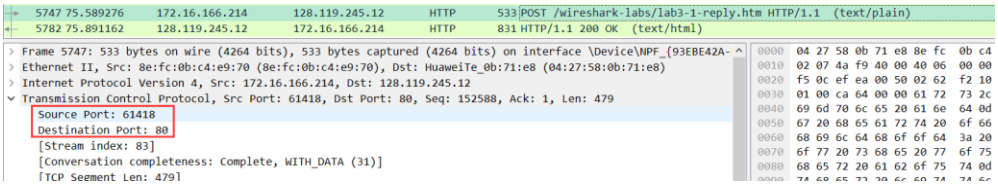
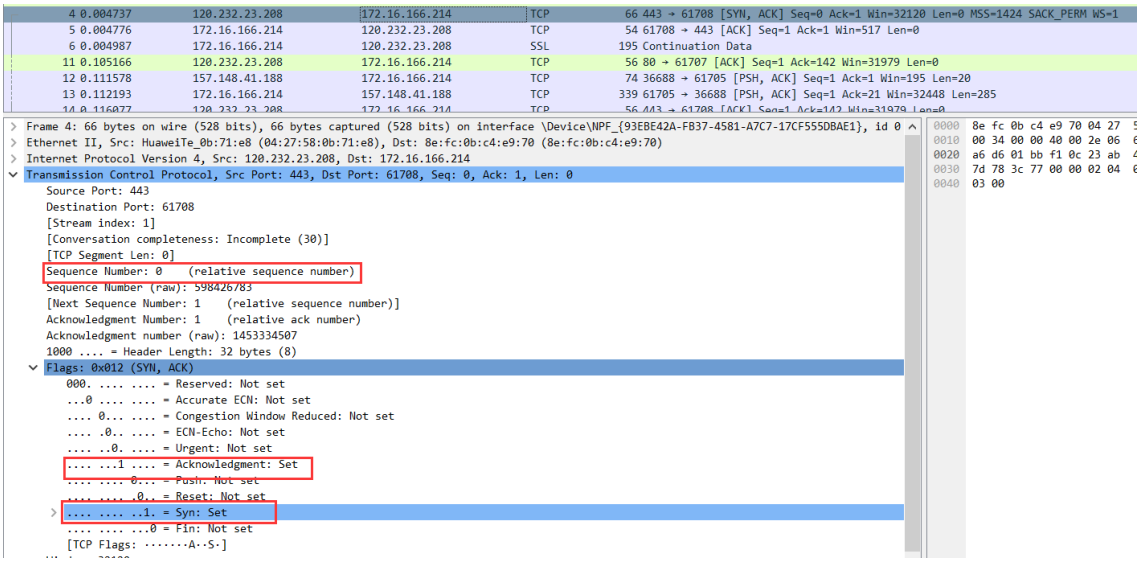
1.



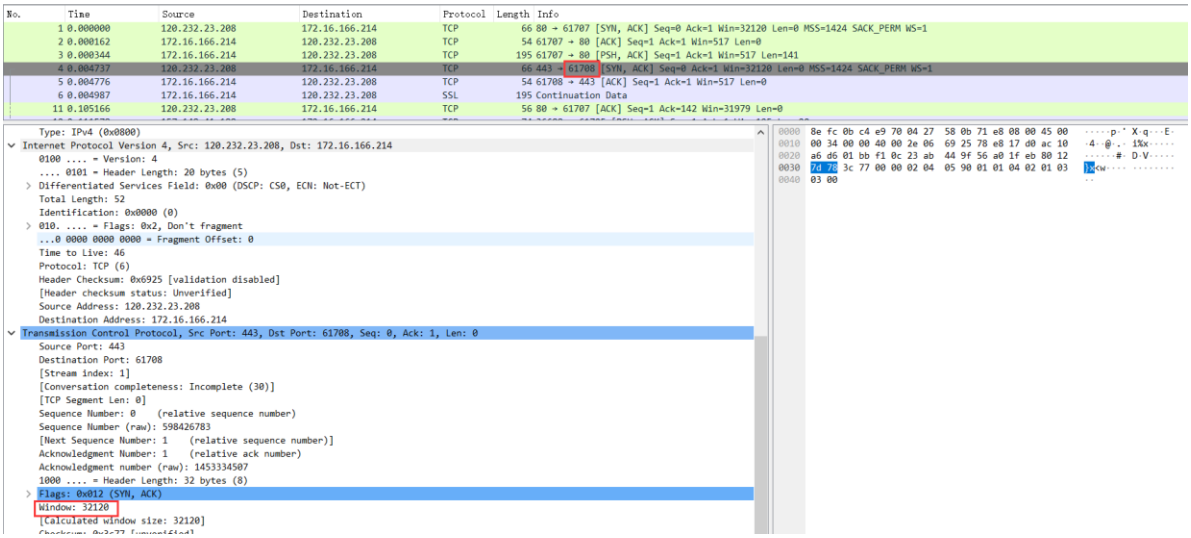
According to above figure, client computer's IP address is 172.16.166.214, TCP port number is 61418.

5.



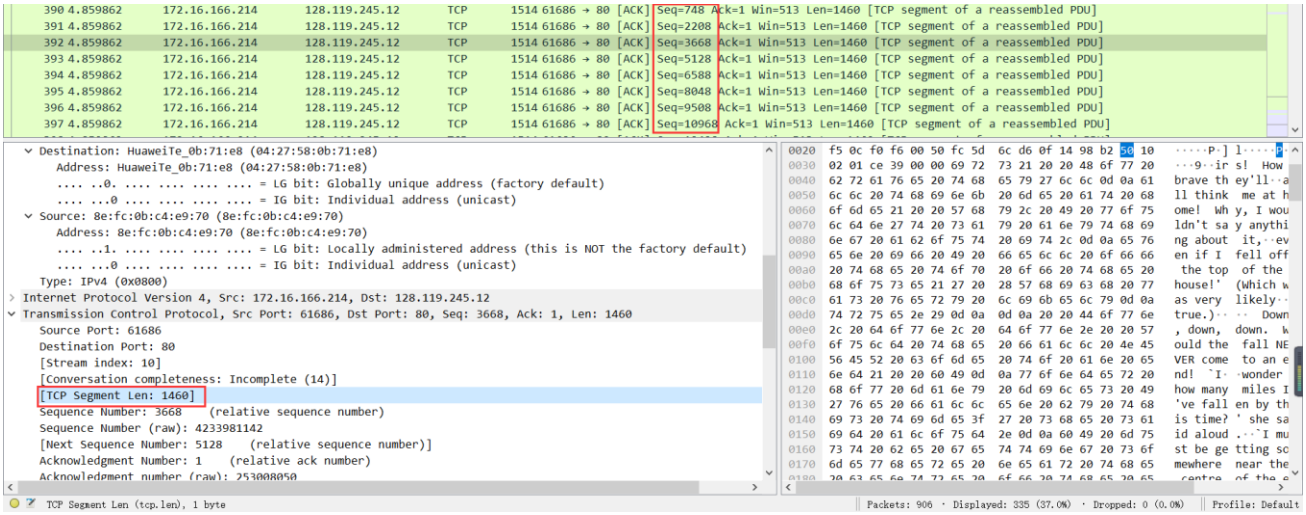
Sequence number of SYNACK segment in reply to SYN is 0. Value of acknowledgement file in SYNACK segment is 1. Server add 1 to initial sequence number value of SYN segment 0. If acknowledgement number is 1, and SYN number is 1, then it can be identified as a SYNACK segment.

9.



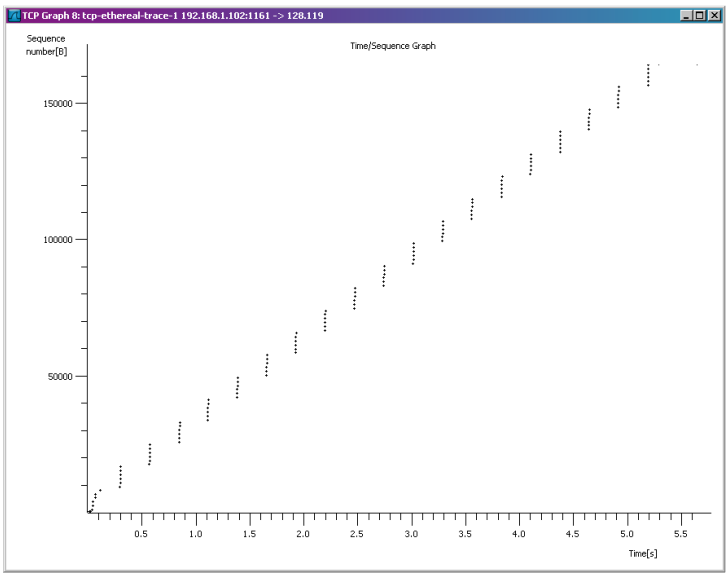
Minimum amount of available buffer space is 32120. The receiver buffer size is 62780 byte, so sender will not throttled because of lack of space.

11.



Typically, receiver acknowledge 1460 bytes in an ACK. With the number of ACK, we can find receiver is ACKing every other received segment.

13.



TCP's slowstart phase begins at 0s, and ends at 0.1s. Congestion avoidance takes over after 0.1s.

We studied that the TCP should behave as a linear increasing line in the graph. Maybe HTTP server limit the rate of sending segments.