

TCP traffic in wireshark

Capture the TCP stream and extract the content from the packets. Identify the following TCP statistics for the stream.

1. What is the IP address and TCP port number used by the client computer (source)
2. What is the IP address and port number of the upload URL?
3. What is the sequence number of the TCP SYN segment that is used to initiate the TCP connection between the client computer and upload URL?
4. What is it in the segment that identifies the segment as an SYN segment?
5. What is the sequence number of the SYNACK segment sent by upload URL to the client computer in reply to the SYN?
6. What is the value of the Acknowledgement field in the SYNACK segment?
7. How did upload URL determine that value?

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8. What is it in the segment that identifies the segment as an SYNACK segment?
9. What is the sequence number of the TCP segment containing the HTTP POST command?
10. How the packets were sent and When the ACK for each segment received?
11. What is the EstimatedRTT value?
12. What is the minimum amount of available buffer space advertised at the received for the entire trace? Does the lack of receiver buffer space ever throttle the sender?
13. How much data does the receiver typically acknowledge in an ACK? Can you identify cases where the receiver is ACKing every other received segment.
14. Display the TCP congestion control information.