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# Quiz

**Q1** . TCP receiver may intentionally delay the acknowledgement of a correctly received packet. True or False?

**Q2** . A TCP receiver receives an in-order segment with expected sequence number, but it has one other segment with pending ACK. Which of the following is a possible action for this receiver if it is using the delayed ACK mechanism?

- A. It sends 2 ACKs one after the other
- B. It sends 3 ACKs one after the other
- C. It sends one cumulative ACK acknowledging both segments
- D. It sends a Duplicate ACK.

**Q3** . TCP is never allowed to retransmit unless there is a timeout. True or False?

**Q4** . During slow start, congestion window increases:

- A. Linearly
- B. Exponentially
- C. Logarithmically
- D. Does not grow

**Q5** . Maximum segment size (MSS) refers to the number of bytes in a TCP segment including its header. True or False?

**Q6** . A TCP connection is using an MSS=1460 bytes. At the start of slow start, how many bytes the TCP sender can transmit without having to wait for ACK?

- A. 1400
- B. 1460
- C. 1500
- D. 3000

**Q7** . A TCP sender could still reduce its window size even if there was no triple duplicate ACK or timeout. True or False?

Resource created 4 months ago (Wednesday 04 September 2019, 06:45:30 PM), last modified 2 months ago (Sunday 20 October 2019, 08:08:01 AM).

## Comments

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Xianlei Wang (/users/z5182667) about a month ago (Fri Nov 29 2019 16:10:26 GMT+0800 (中国标准时间))

For q2 why it is C;

for q5,why it is false

For q7,why it is True

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Salil Kanhere (/users/z3116703) about a month ago (Fri Nov 29 2019 17:11:07 GMT+0800 (中国标准时间))

2. You may check the slide about delayed ACK and the concept of cumulative ACK. This is expected behaviour

5. MSS does not include header.

7. Flow control.

NOTE: I may suggest you read the relevant slides (or watch the videos) as some of these answers are rather obvious.

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Nadeem Ahmed (/users/z3003139) about a month ago (Tue Nov 26 2019 17:12:37 GMT+0800 (中国标准时间))

**Solution:**

Q1. True

Q2. C

Q3. False

Q4. B

Q5. False

Q6. B

Q7. True

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Jiahui Luo (/users/z5158415) about a month ago (Wed Nov 27 2019 17:00:42 GMT+0800 (中国标准时间))

can you explain q7? thanks

Reply



Nadeem Ahmed (/users/z3003139) about a month ago (Wed Nov 27 2019 17:27:15 GMT+0800 (中国标准时间))

Think of flow control mechanism that also controls the sender's window size.

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