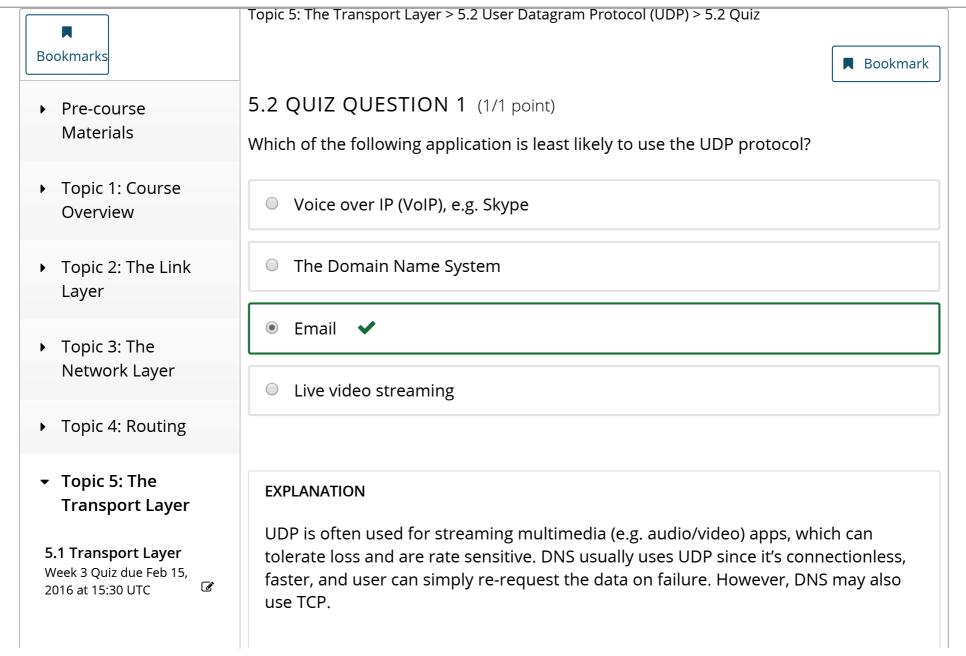


HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)



5.2 Quiz Question 1 | 5.2 User Datagram Protocol (UDP) | ELEC1200.3x Courseware | edX

5.2 User Datagram Protocol (UDP)

Week 3 Quiz due Feb 15, 2016 at 15:30 UTC

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5.3 Transmission Control Protocol (TCP)

Week 3 Quiz due Feb 15, 2016 at 15:30 UTC

Topic 6: Reliable
Transfer Protocols

 MATLAB download and tutorials On the other hand, email is not loss tolerant, since users do not want their messages to be corrupted when received. They are also not rate sensitive, since users would rather wait to get a complete correct message.

You have used 2 of 2 submissions

5.2 QUIZ QUESTION 2 (3/3 points)

Consider the following descriptions of different operations:

- A. The receiving host checks the destination port information from the UDP header and sends the UDP segment to application at the corresponding port.
- B. The receiving host uses the header and application data from a received segment to compute a checksum and compares it with the checksum in the received header.
- C. The transmitting host determines which link it should send the application packets out on so that they take the best path to the receiving host
- D. The transmitting host adds UDP headers to the messages from different applications and passes the resulting segments to the network layer.

Which operation corresponds to multiplexing?



Answer: D

Which operation corresponds to demultiplexing?

A ▼

V

Answer: A

Which operation corresponds to error detection?

В▼



Answer: B

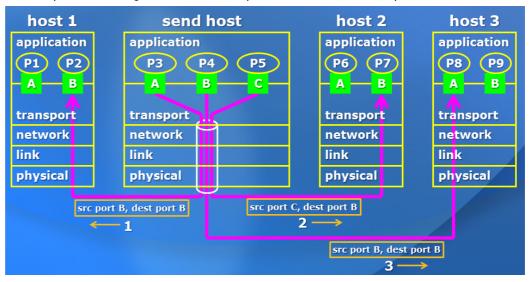
EXPLANATION

Choice C corresponds to forwarding, which is a network rather than transport layer function.

You have used 2 of 2 submissions

5.2 QUIZ QUESTION 3 (2/2 points)

Consider the following figure showing the operation of the transport layer. The pink lines show the paths followed by transport layer segments, with each line labelled by the source and header information extracted from the transport layer header.



Which segment was incorrectly demultiplexed?

3 ▼

V

Answer: 3

EXPLANATION

If segment 3 is encapsulated correctly (src port B, dest port B), then it should be sent to port B, not A, at the receiving host.

Which segment was incorrectly encapsulated?

1 ▼



Answer: 1

EXPLANATION

Source port should be encapsulated as A, not B. If correctly encapsulated, the header information should be src port A, dest port B.

You have used 2 of 2 submissions

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