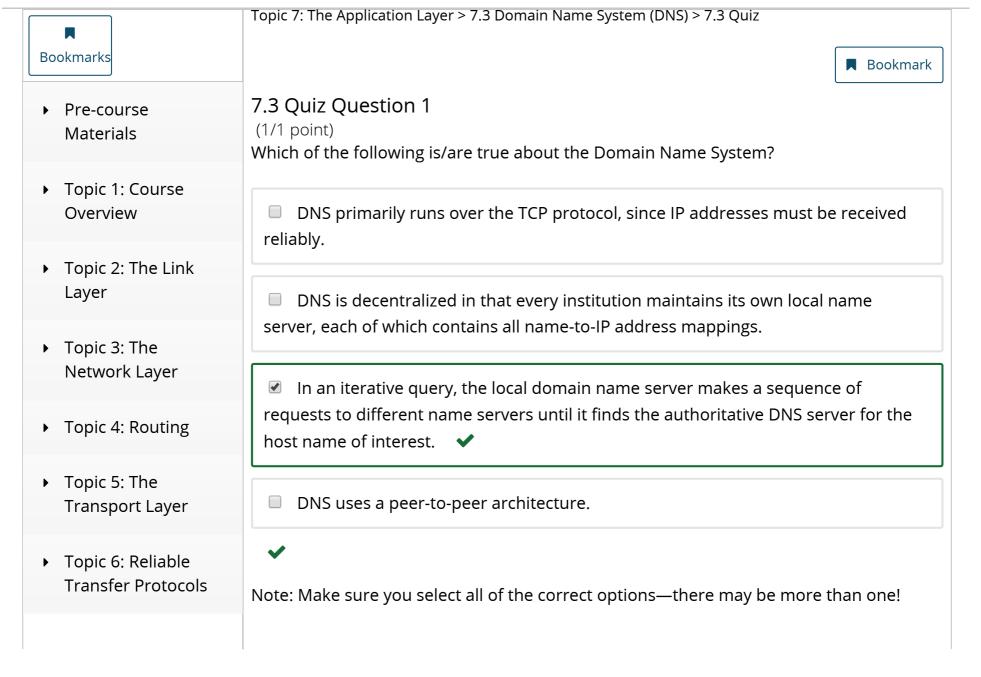


HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)



▼ Topic 7: The Application Layer

7.1 Application Layer

Week 4 Quiz due Feb 15, 2016 at 15:30 UTC

7.2 Hypertext Transfer Protocol (HTTP)

Week 4 Quiz due Feb 15, 2016 at 15:30 UTC

7.3 Domain Name System (DNS)

Week 4 Quiz due Feb 15, 2016 at 15:30 UTC

7.4 Lab 4 - Application Layer

Lab due Feb 15, 2016 at 15:30 UTC

- Topic 8: Course Review
- MATLAB download and tutorials

EXPLANATION

DNS uses a client-server architecture running over UDP. The effect of packet loss is handled at the application level, and messsages are short so that packet ordering is not a problem. DNS is decentralized in the sense that it maintains a hierarchy of servers, each responsible for resolving the host name at a different level. No single computer contains all host names.

You have used 1 of 2 submissions

7.3 Quiz Question 2

(1/1 point)

Which of the below is/are (a) reason(s) that DNS does not use a single centralized server?

- Decentralized systems have less redundancy.
- Centralized systems are less reliable in the sense that if the system goes down,there are no other options.
- Traffic directed at a centralized system would overwhelm it.
- ightharpoonup A centralized system could lead to long delays for users far from the system.



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

Decentralized systems typically have more redundancy, since information is stored at multiple locations.

You have used 2 of 2 submissions

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