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

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7.2 Quiz Question 1
(1 point possible)

Which of the following is/are true about the HyperText Transfer Protocol (HTTP):

☐   HTTP uses the TCP protocol.   ✔

☑   HTTP combines text and images displayed on one web page into a single HTML file.

☐   HTTP uses the peer-to-peer model

☑   A server sends html files to a client in response to requests by the client.   ✔

✘

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

EXPLANATION

Text and images are contained in separate files, also known as objects, stored on the server. These are retrieved by separate requests by the client to the server. HTTP uses the client-server model.

You have used 2 of 2 submissions

Quiz 7.2 Question 2
(1/1 point)
Why do organizations with many users often use a web cache to speed up web browsing for their users?

○   The web cache uses source coding to compress data from the server so it takes less time to transfer.

○   The web cache increases the speed of the link from the organization to the outside world.

◉   The web cache reduces the amount of data that must be transferred into the institution from outside servers.   ✔

○   The web cache increases the speed of links inside the organization.

EXPLANATION

Web caches store recently accessed objects by clients within the organization so that they do not need to be retrieved from the server, but rather can be delivered directly to the client. This is typically done because the link to the outside world is limited, and too much traffic would increase delay.

You have used 1 of 2 submissions

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