

Quiz-2 Results for Gabriel Warkentin

Score for this quiz: **8** out of 8

Submitted Feb 17 at 9:09pm

This attempt took 9 minutes.

Question 1

1 / 1 pts

Suppose within your Web browser you click on a link to obtain a Web page. The IP address for the associated URL is not cached in your local host, so a DNS lookup is necessary to obtain the IP address. Suppose that three DNS servers are visited before your host receives the IP address from DNS. The first DNS server visited is the local DNS cache, with an RTT delay of 3 msec. The second and third DNS servers contacted have RTTs of 14 and 10 msec, respectively, and the RTT between the local host and the Web server containing the object is 53 msec.

Suppose the HTML base object references 15 additional very small objects on the same server. Neglecting transmission times, how much time (**in msec**) elapses from when the client clicks on the link until the base object and all 15 additional objects are received from web server at the client, assuming **NON-PERSISTENT HTTP** and no parallel TCP connections?

Enter your answer **in milliseconds and round it to whole number** (no decimal point).

Correct!

Correct Answer

1,723

Question 2

1 / 1 pts

Suppose within your Web browser you click on a link to obtain a Web page. The IP address for the associated URL is not cached in your local host, so a DNS lookup is necessary to obtain the IP address. Suppose that three DNS servers are visited before your host receives the IP address from DNS. The first DNS server visited is the local DNS cache, with an RTT delay of 7 msec. The second and third DNS servers contacted have RTTs of 16 and 15 msec, respectively, and the RTT between the local host and the Web server containing the object is 55 msec.

Suppose the HTML base object references 12 additional very small objects on the same server. Neglecting transmission times, how much time (**in msec**) elapses from when the client clicks on the link until the base object and all 12 additional objects are received from web server at the client, assuming **PERSISTENT HTTP** and no parallel TCP connections?

Enter your answer in **milliseconds and round it to whole number** (no decimal point).

Correct!

808

Correct Answer

808

Question 3

1 / 1 pts

HTTP is considered a _____.

- ☐ neutral protocol
- ☐ push protocol
- ☐ push-pull protocol
- ☒ pull protocol

Correct!

Question 4

1 / 1 pts

IMAP is used to retrieve emails from mail servers.

Correct!

☒ True

☐ False

Question 5

1 / 1 pts

Local DNS server keeps cache of host name/IP address mappings.

Correct!

☒ True

☐ False

Question 6

1 / 1 pts

What protocol is used to send emails from a mail server to another mail server?

☐ DASH

☐ HTTPS

☐ HTTP

Correct!

☒ SMTP

Question 7

1 / 1 pts

Which protocol provides throughput guarantee?

- ☐ UDP
- ☐ TCP
- ☒ neither TCP nor UDP
- ☐ Both UDP and TCP

Correct!

Question 8

1 / 1 pts

Which protocol provides reliable data transfer?

- ☐ neither TCP nor UDP
- ☐ Both UDP and TCP
- ☐ UDP
- ☒ TCP

Correct!

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