

1. a. F

They should be sent and received one by one.

b. T

c. F

Only one HTTP request can be carried.

d. F

The header line suggests the time of generation and transmission.

e. F

It could be empty.

3. Application layer: DNS, HTTP
Transport layer: UDP, TCP

4. a. <http://gaia.cs.umass.edu/cs453/index>
b. HTTP 1.1
c. The browser is requesting a persistent connection
d. The information isn't included.
e. Mozilla/5.0. The browser type is needed so that the server can send a browser-compatible response.

$$7. \quad t = t_1 + t_2 + t_3$$

$$t_1 = RTT_1 + \dots + RTT_n$$

$$t_2 = RTT_0$$

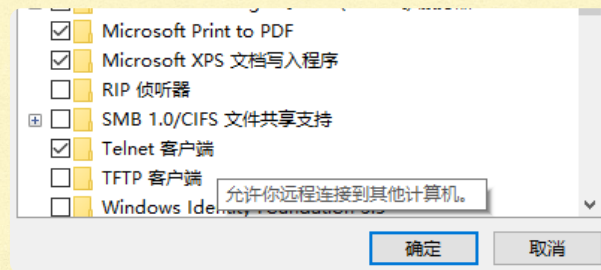
$$t_3 = RTT_0$$

$$t = 2RTT_0 + RTT_1 + \dots + RTT_n.$$

$$\begin{aligned} \delta. \quad a. \quad t_1 &= RTT_1 + RTT_n + 2RTT_0 + \delta \cdot 2RTT_0 \\ &= 18RTT_0 + RTT_1 + \dots + RTT_n \end{aligned}$$

$$\begin{aligned} b. \quad t_2 &= RTT_1 + \dots + RTT_n + 2RTT_0 + 2 \cdot 2RTT_0 \\ &= 4RTT_0 + RTT_1 + \dots + RTT_n \end{aligned}$$

$$\begin{aligned} c. \quad t_3 &= RTT_1 + \dots + RTT_n + 2RTT_0 + 8RTT_0 \\ &= 10RTT_0 + RTT_1 + RTT_2 + \dots + RTT_n \end{aligned}$$



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命令提示符
220 whu.edu.cn Anti-spam GT for Coremail System (whu[20171226])
HELO smtp
250 OK
auth login
334 dXN1cm5hbWU6
MjAxNjMwMjU4MDEzMEB3aHUzZWR1LmNu
334 UGFzc3dvcmQ6
REhZYWxvbmU2NTM5
535 Error: authentication failed
auth login
334 dXN1cm5hbWU6
MjAxNjMwMjU4MDEzMEB3aHUzZWR1LmNu
334 UGFzc3dvcmQ6
REhZYWxvbmU2NTM5
535 Error: authentication failed
421 closing transmission channel

丢失对主机的连接。
C:\Users\33502>

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