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Answer

Answer:

Given =

Consider the network provided in Fig. 2.12 of the textbook. For simplicity, let's assume that the LAN delay is 0 and Internet delay 2 seconds. Assume that average object size is 80Kb and there are 12 requests per second from institution's browsers to the origin servers.

Solution =

Step 1)

FAGE NO.	
Answer:	
The difference blue HTTP/1-1 and	
for example http/2 has	
more optimized web performance	
protocols are unproved in	
many compatible	
francuosks, in python like Django and flask works in	
HTTP/2. HTTP/2 was improved	
performance wise.	
allow 11MK = 15mbps	
LAN delay = 0 set protected delay = 2 see 15 reget / Set	
the state of the s	
Size = 120 kb = 120,000 b	
	step 2)

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OH SDAY TYPE PAGE NO DATE / / / / / / / / / / / / / / / / / / /
a) Traffic indensity on the access link = (no. of request/sec) x (object size)
link late
= 6.12 (traffic în tening[4])
\overline{b} allow average = object Size \Rightarrow 120,000 (x) link rate 15000,000
⇒0.008 Sea
aleger arrage delay = $\frac{x}{1-y}$ = $\frac{0.008}{1-0.12}$
⇒ 0.009 TOTAL Overage delay = LAN delay +
laternut delay t aversus alum delay = 2.009 sex
step 3)

trooffic intensity will be reduced to
40 % (reduced by 65%)

object fathed from some office
code = 15x0.4 = 6 reg/sol

and aucus dekey = 0.008

1-(6x0.008)

= 0.0084 Sol

= (2+0.0084 Sol)

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