

← socket

↳ software interface

Destination address

32 bit IP address

138.234.4.42

(network layer addr)

port number (16 bit)

(which process on dest. device)

transport services

transmission
control protocol
(tcp)

connection
lossless

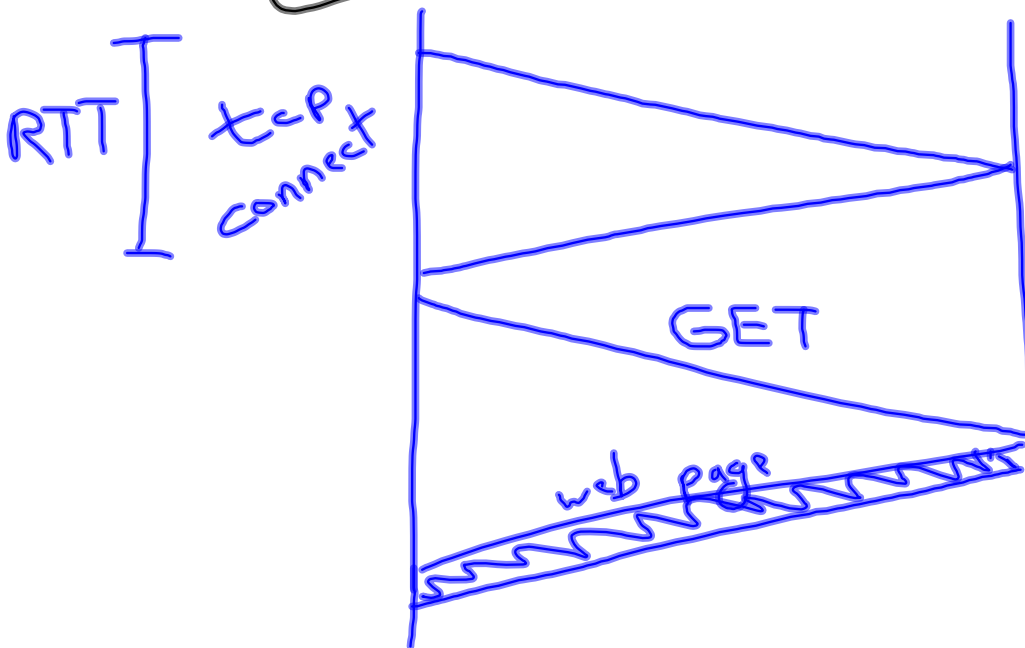
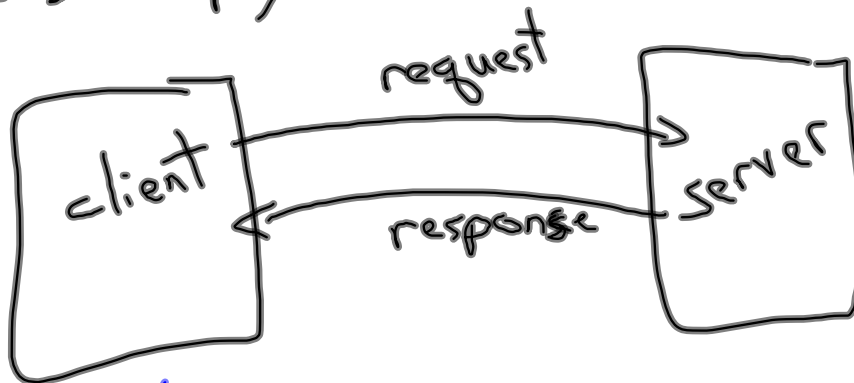
user datagram
protocol (udp)

best effort

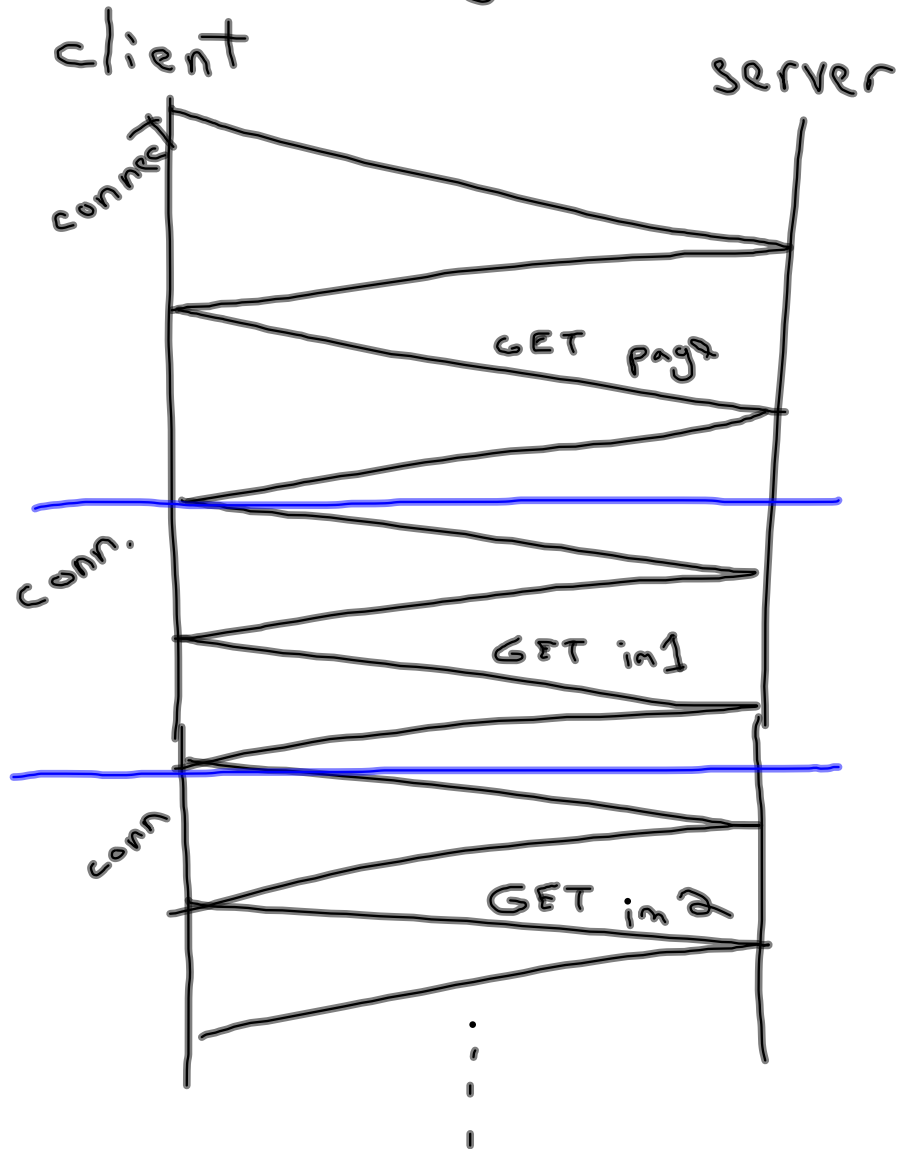
other services

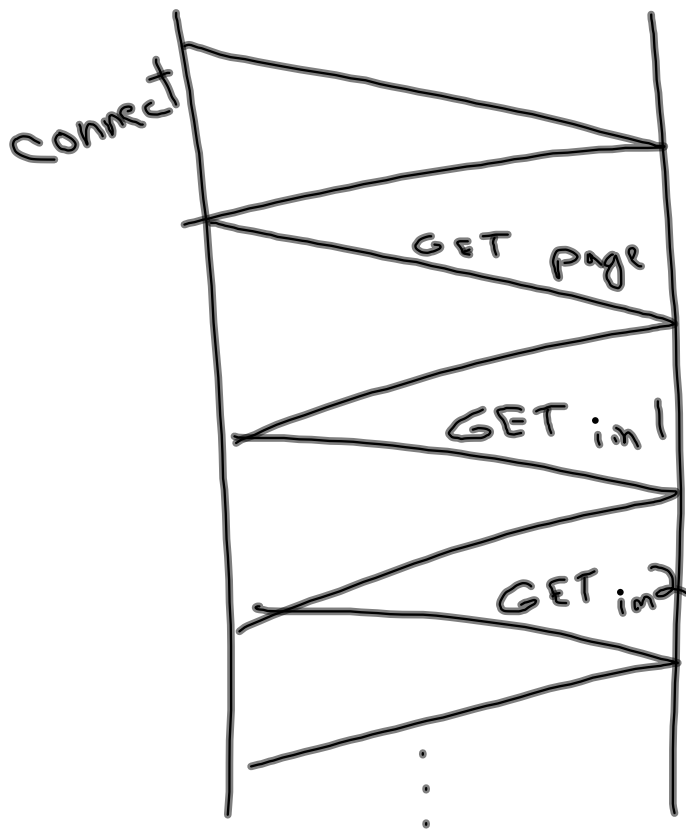
- security
- bandwidth
- timing

HTTP : hyper text transfer protocol
(uses tcp)



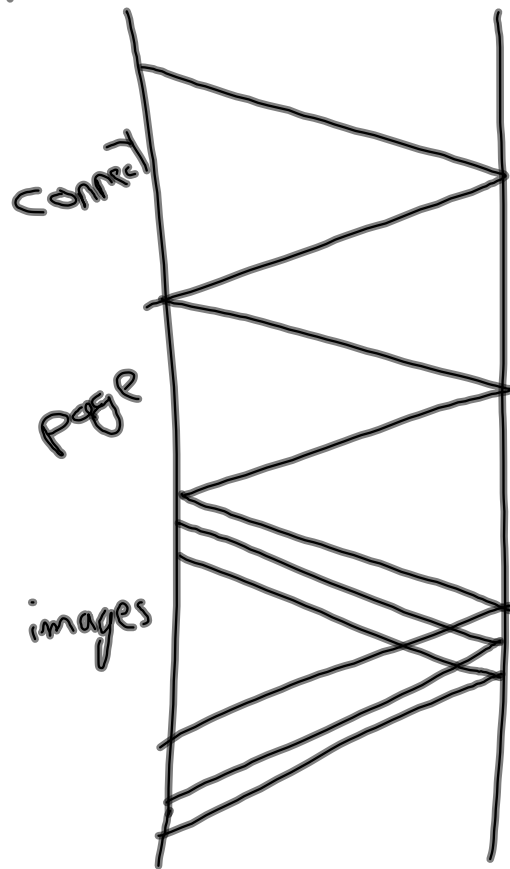
HTTP 1.0 : non-persistent connections page w/ 3 images





persistent

parallel



HTTP methods

GET

POST

HEAD

PUT

DELETE

stateless

cookies

- server sends a cookie (number)
w/ a response
- client requests then contain
the cookie

web cache

