HTTP

Thursday, 11 June 2020 9:53 PM

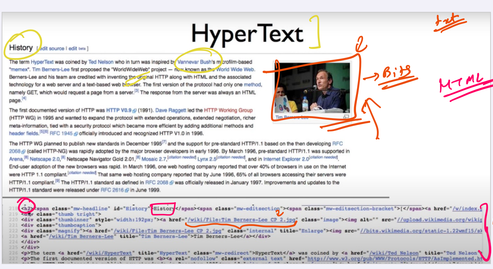
Hyper Text transfer protocol → application

The HTTP is a cornerstone of modern Internet. Originally intended to send docs, it's now much more than that from streaming media on Netflix or sharing images on social media.

Hyper Text → It is a document format that lets you include formatting & content info in a document. Whenever you download a web page, you are downloading a hypertext document.

ascii

1FCEE4F6-E019-4152...



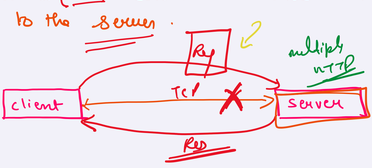
Just a text document with formatting & instruction embedded in the form of tags

We can embed other files (like images) in the hypertext instead of storing the bits of the files.

Transport

→ HTTP relies on lower layer protocols

* In HTTP a client opens a TCP connection and over a TCP connection sends a HTTP request to the server.



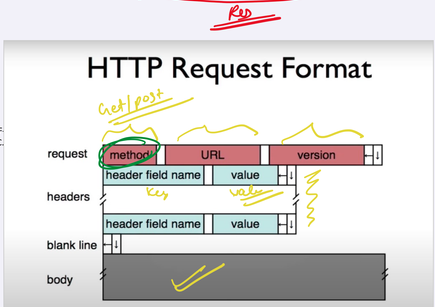
3 way handshake

1.0

1.1

Persistent HTTP Connect

7EB1CACF-04C-443C...



Get URL

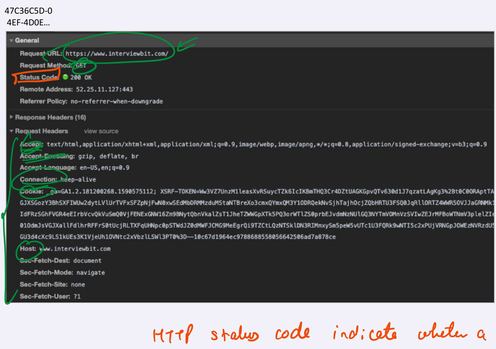
POST → req body

PUT

DELETE

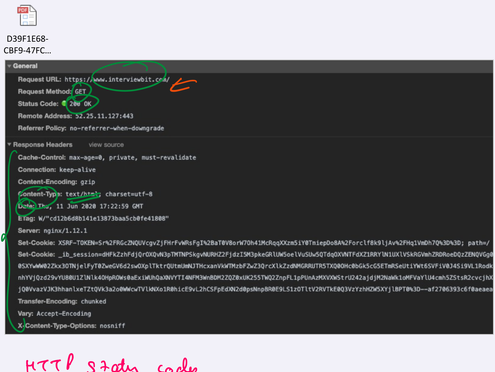
HEAD

47C36C5D-0 4EF-4D0E...



HTTP status code indicate whether a req has been successfully completed or not

D39F1E68-CBF9-47FC...



HTTP status code

five classes →

1. Information (100 - 199)
2. Successful responses (200 - 299)
3. Redirects (300 - 399)
4. Client side errors (400 - 499)
5. Server Error (500 - 599)

200 OK

404

MDN

Stateless protocol