HTTP

→ WHAT IS HTTP

- > Hyper Text Transfer Protocol
- > Communication between web servers & Clients
- ➤ HTTP Requests /Responses
- Loading pages, from submit, Ajax calls

→ HTTP IS STATELESS

- Every Request is completely independent
- > Similar to transactions
- Programming, Local Storage, Cookies, Sessions are used to create enhanced user experiences.

→ WHAT IS HTTPS

- Hyper Text Transfer Protocol Secure
- > Data sent is encrypted
- > SSL / TLS
- ➤ Install certificate on web host

→ HTTP METHODS

Retrieves data from the server

➢ POST

Submit data to the server

➢ PUT

Update data already on the Server

> DELETE

Deletes data from the server

HTTP HEADER FIELDS

U

method
path
protocol
GETI//rutorials/other/top-20-mysql-best-practides//HTTP/1.1
Host: net.tutsplus.com
User-Aqent: Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US; rv:1.9.1
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=
Accept-Language: en-us,en;q=0.5
Accept-Encoding; grip_deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 300
Connection: keep-alive
Cookie: PHPSESSID=r2tSuvjq435r4q7ib3vtdjq120
Pragma: no-cache
Cache-Control: no-cache
HTTP headers as Name: Value

General: Response: Request: Request URL Server Cookies Request Method Set-Cookie Accept-xxx Content-Type Status Code Content-Type Remote Address Content-Length Content-Length Referrer Policy Date Authorization User-Agent

Referrer

HTTP STATUS CODES

1xx: Informational

Request recieved / processing

2xx: Success

Successfully Recieved, understood and accepted

3xx: Redirect

Further action must be taken / redirect

4xx: Client Error

Request does not have what it needs

5xx: Server Error

Server failed to fulfil an apparent valid request

200 - OK

201 - OK created

301 - Moved to new URL

304 - Not modified (Cached version)

400 - Bad request

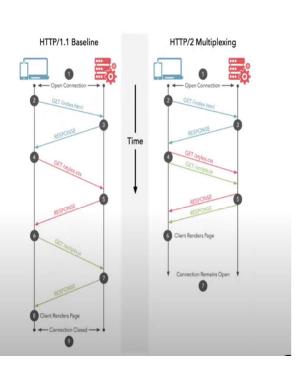
401 - Unauthorized

404 - Not found

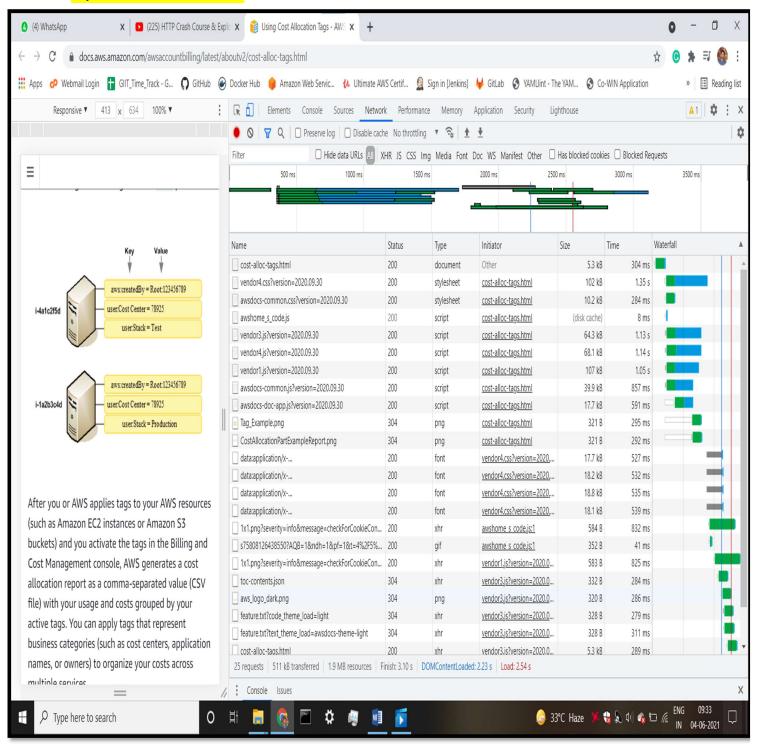
500 - Internal server error

HTTP/2

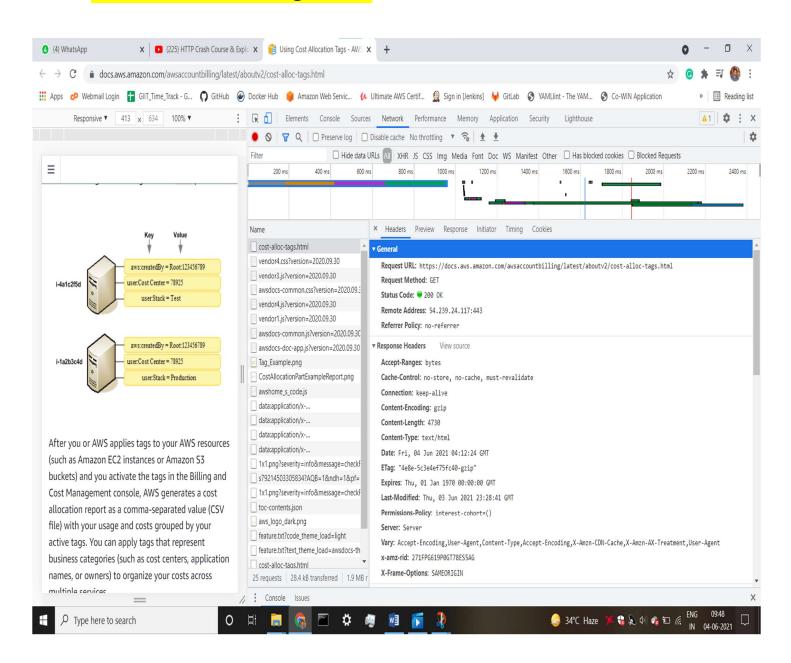
- Major revision of HTTP
- Under the hood changes
- Respond with more data
- Reduce latency by enabling full request and response multiplexing
- Fast, efficient & secure



→ Here we see all types of document file, CSS file, html file script file if we want to check it then we have a option to open all this file.



If we want to check header response we have a option to check all the things here.



Install postman and create new workspace

