

HTTP

- Hyper text Transfer protocol
- Communication between webserver and Clients
- HTTP Requests / Responses
- Loading pages, form submit, Ajax calls

HTTP is stateless

- Every request is completely independent.
- Similar to transaction
- Programming, Cookies are used to create enhanced user experience

HTTPS stands for

HTTP secure

- Data sent is encrypted
- SSL / TLS
- Install certificate on web host

HTTP Methods

- Get :- Retrieves data from server
- Post - Submit data to the server
- Put - Update data already on the server
- Delete - Deletes data from the server

HTTP Header fields

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

HTTP Status Code

- 1xx : Informational
Request received / Processing
- 2xx : Success
Successfully Received, 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

400 - Bad request

401 - Unauthorized

404 - Not found

500 - Internal server error

HTTP/2

→ Major revision of HTTP

→ Reduce latency by enabling full request and response multiplexing

→ Fast, efficient & secure

