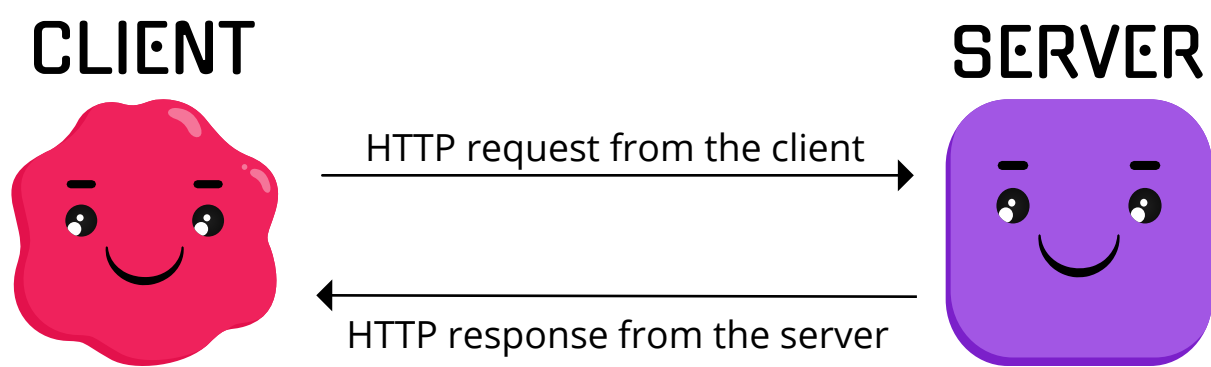


HTTP - HyperText Transfer Protocol

It is the protocol used when you visit a website in your browser.



REQUEST

`GET/ HTTP/1.1`

`content-type: text/html`
`Host: celine.tech`
`User-Agent: Mozilla`
`Cookie: 123`
`Accept-language: en-US`

`[Optional body]`

Method

Resource being requested

HTTP version

`GET/request-diag.png` `HTTP/1.1`

Methods

- GET** request a resource
- POST** to submit resources (form)
- DELETE** to delete resources
- PUT** to update resources

URL OVERVIEW

`https://celine.tech:443/about?author=celine`

Scheme	Domain	Port	Path	Query string
Protocol used for the request. Some other protocols: HTTP, FTP, POP, SMTP, IMAP	Other domains: .com, .org	http (80) https (443)	to ask the server for	

RESPONSE

`HTTP/1.1 200 OK`

`Content-type: text/html`
`Content-length: 230`
`Date: Mon, 09 Sep 2020`

`<!DOCTYPE html>`
`<html>`
`</html>`

MUST HAVE

A status code

A header

A body

Content-type: type of body
Content-length: length of the body in bytes
Date: when response was sent

Common status codes

- 200 ALL GOOD
- 301 MOVED PERMANENTLY
302 FOUND (TEMPORARY REDIRECT)
304 NOT MODIFIED
- 400 BAD REQUEST
403 FORBIDDEN
404 NOT FOUND
- 500 INTERNAL SERVER ERROR