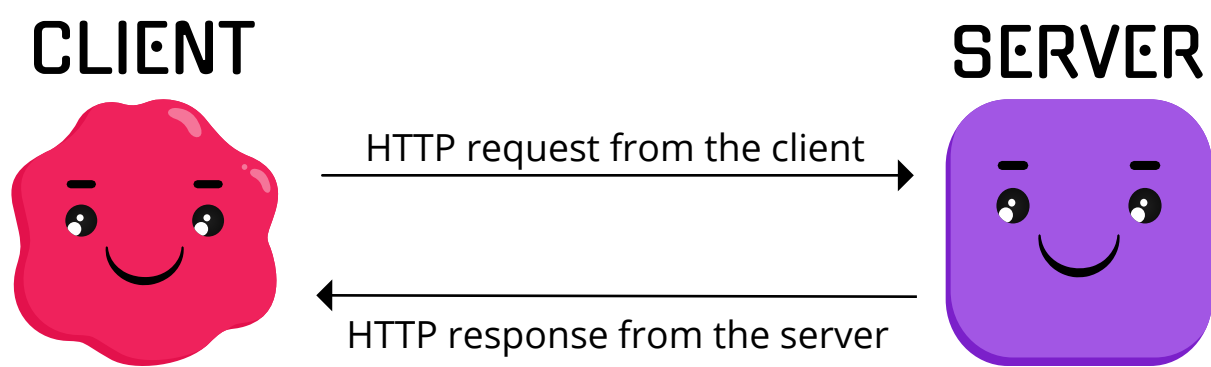


# HTTP - HyperText Transfer Protocol

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



## 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	

## REQUEST

GET/ HTTP/1.1

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

[Optional body]

MUST HAVE

A domain  
A resource  
A method  
A header

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

## 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