



Herhaling HTTP

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Wat is HTTP?

- <https://padlet.com/vongenae/HTTP>

Hypertext Transfer Protocol (HTTP)

- Client-Server protocol
- Transportprotocol: TCP op poort 80
- Aanvraag-antwoord protocol (request-response)
- Web
- Verschillende versies
 - HTTP 1.0
 - HTTP 1.1
 - HTTP/2
 - HTTP/3

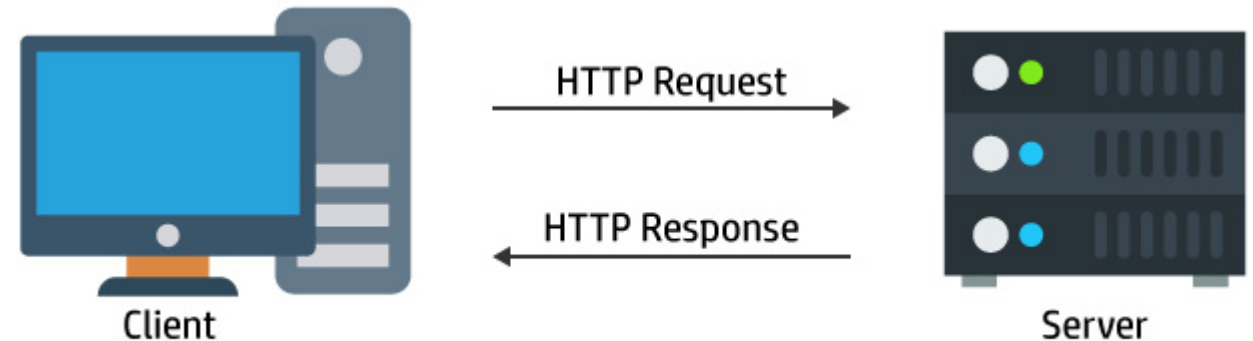


Fig: HTTP Protocol

bron: <https://www.w3schools.in/http-tutorial/intro/>



HTTP-aanvraag (request)

Eerste headerlijn ← `POST http://localhost:8080/httpVBServlets/toonwaarden HTTP/1.1`

Volgende headerlijnen {
`Host: localhost:8080`
`User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:49.0) Gecko/20100101 Firefox/49.0`
`Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8`
`Accept-Language: nl,en-US;q=0.7,en;q=0.3`
`Accept-Encoding: gzip, deflate`
`Referer: http://localhost:8080/httpVBServlets/`
`Cookie: _ga=GA1.1.2005542086.1473951661`
`Connection: keep-alive`
`Upgrade-Insecure-Requests: 1`
`Content-Type: application/x-www-form-urlencoded`
`Content-Length: 41`

Lege lijn ←

Body ← `naam=Veerle+D%27haese&adres=Kerkstraat+10`
(optioneel,
afhankelijk
aanvraagmethode)





Aanvraag- methodes

GET

HEAD

POST

PUT

DELETE

OPTIONS

...

...



HTTP-antwoord (response)

Eerste headerlijn

Volgende
headerlijnen

Lege lijn

Body
(optioneel,
bepaald door
MIME-type)

```
HTTP/1.1 200 OK
Server: GlassFish Server Open Source Edition 4.1
X-Powered-By: Servlet/3.1 JSP/2.3 (GlassFish Server Open Source Edition 4.1
Accept-Ranges: bytes
ETag: W/"562-1412583341652"
Last-Modified: Mon, 06 Oct 2014 08:15:41 GMT
Content-Type: text/html
Date: Fri, 30 Sep 2016 10:10:01 GMT
Content-Length: 562

<!--
To change this template, choose Tools | Templates
and open the template in the editor.
-->
<!DOCTYPE html>
<html>
  <head>
    <title>HTML Formulier</title>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  </head>
  <body>
```





Veelgebruikte statuscodes

1??: Informatief

2??: Succes

3??: Omleiding

4??: Fout bij client

5??: Fout bij server

200 OK

304 Not
Modified

400 Bad
Request

403 Forbidden

404 Not Found

405 Method
Not Allowed

500 Internal
Server Error

503 Service
Temporarily
Unavailable



HTTPS

- Hypertext Transfer Protocol Secure
- Maakt gebruik van SSL (Secure Sockets Layer)
- Standaardpoort: 443

