


Web 1

- Einführung in die Webentwicklung



“1981: No one will need more than 637KB
of memory for a personal computer.
640KB ought to be enough for anybody.”

—Bill Gates

EINFÜHRUNG

1

NETZWERK

2

BROWSER

3

HTML / CSS / JS

4


INHALT



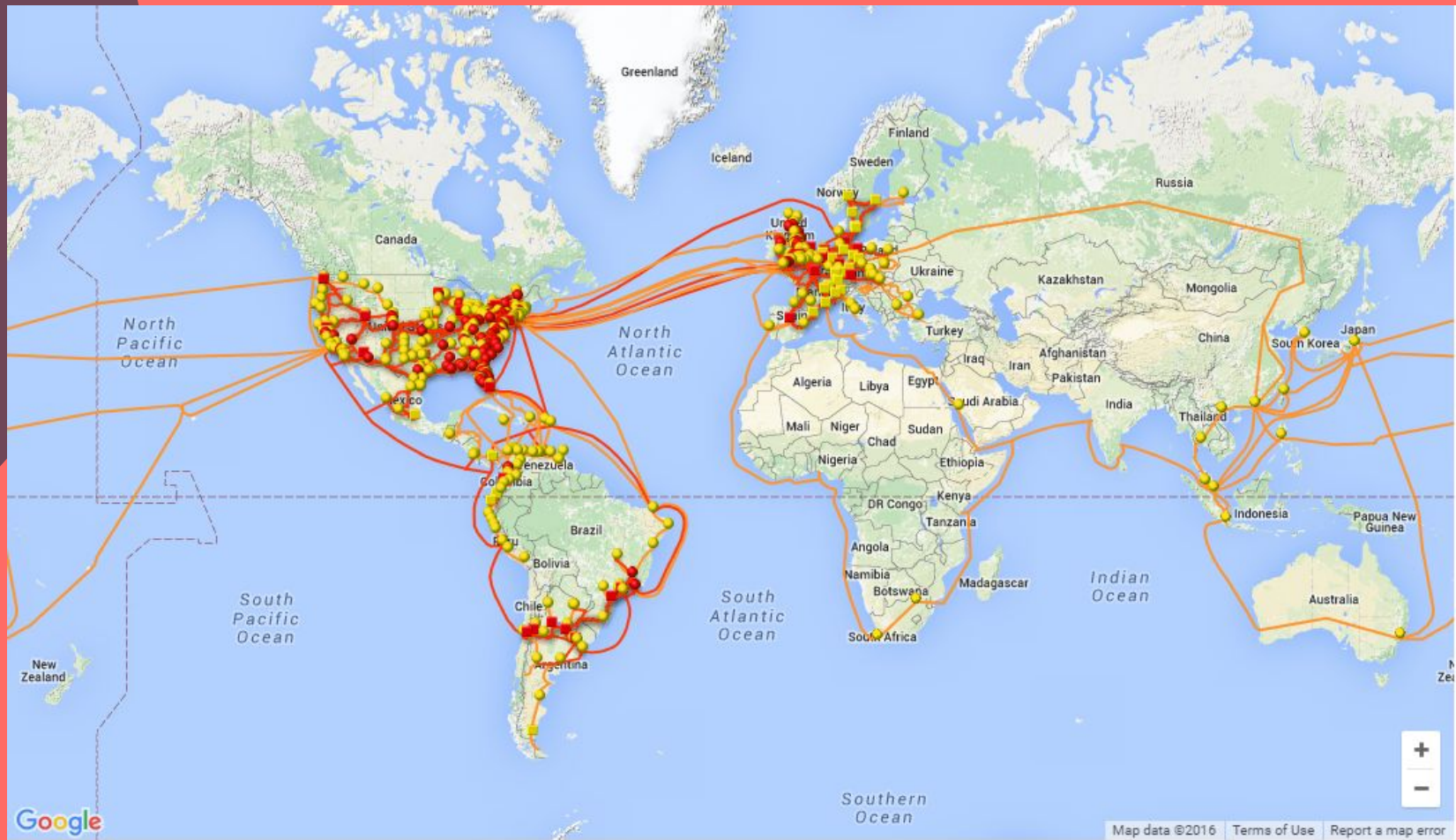
**WENN COMPUTER
MITEINANDER SPRECHEN**

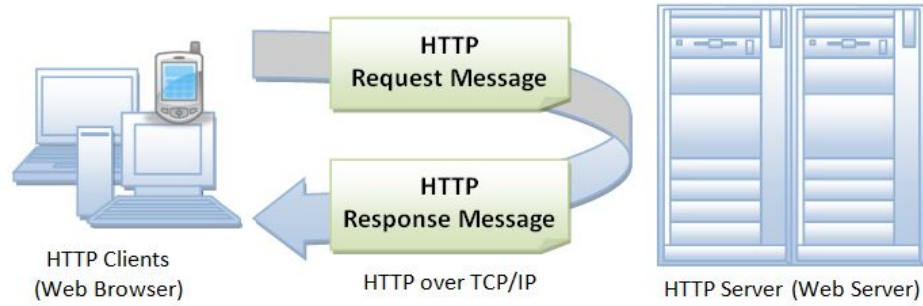
DAS WWWEB



- 
1. EINE **URL**, UM JEDE RESSOURCE EINDEUTIG ZU IDENTIFIZIEREN
 2. DAS **HTTP PROTOKOLL**, UM KOMMUNIKATION ZU BESCHREIBEN
 3. EINE SOFTWARE, DIE **HTTP RESPONSES** VERARBEITET
 4. EINE SOFTWARE, DIE **HTTP REQUESTS** ERZEUGT
 5. **HTML**, UM DOKUMENTE ZU ERSTELLEN

ANFRAGE BEI
example.com





HTTP REQUEST

GET / HTTP/1.1

Host: example.com

User-Agent: Mozilla/5.0

Accept: */*

HTTP RESPONSE

HTTP/1.1 200 OK

Accept-Ranges: bytes

Cache-Control: max-age=604800

Content-Type: text/html; charset=UTF-8

Date: Thu, 22 Aug 2019 19:25:57 GMT

Etag: "1541025663"

Expires: Thu, 29 Aug 2019 19:25:57 GMT

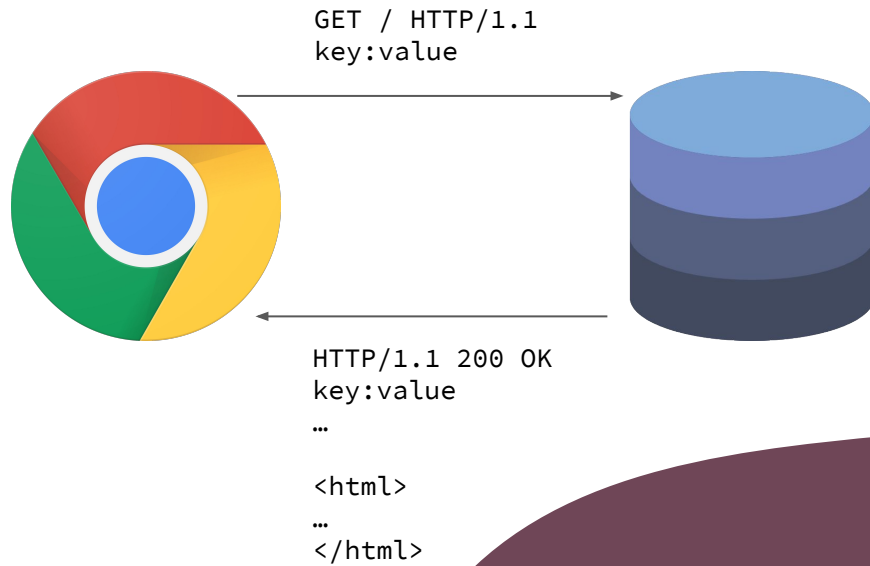
Last-Modified: Fri, 09 Aug 2013 23:54:35 GMT

Content-Length: 1270



BROWSER





```
<table border="1" cellpadding="5" >
  <tr>
    <th>Vorname</th>
    <th>Nachname</th>
  </tr>
  <tr>
    <td>Michael</td>
    <td>Bykovski</td>
  </tr>
</table>
```



Vorname	Nachname
Michael	Bykovski

HTML

Hypertext Markup Language

```
...  
<h1>  
  Heading 1  
</h1>  
<h2>  
  Heading 2  
</h2>  
<h3>  
  Heading 3  
</h3>  
<p>  
  Paragraph  
</p>  
  
...
```

Heading 1

Heading 2

Heading 3

Paragraph

hello.

CSS

Cascading Style Sheet

```
...  
<h1>  
  Heading 1  
</h1>  
...
```

```
...  
h1 {  
  color: red;  
}  
...
```

Heading 1



Javascript

Javascript

```
...  
<h1>  
  Heading 1  
</h1>  
...  
  
...  
document.getElementsByTagName("h1")  
[0].addEventListener(  
  "click",  
  function() {alert("Hello")}  
)  
...  
...
```

An embedded page at fiddle.jshell.net says

Hello

OK

Heading 1

HTML + CSS + JS

HTML

Inhalt und Struktur

CSS

Aussehen

Javascript

Funktionalität