

# CURL

## Allgemeines

<https://ec.haxx.se/>

<https://curl.haxx.se/docs/httpscripting.html>

<https://curl.haxx.se/docs/manual.html>

## Request/Response Information

curl -iv -head <https://www.netzwissen.de> oder

curl <https://www.netzwissen.de> -I

```
<code> * Rebuilt URL to: https://www.netzwissen.de/ * Trying 138.201.52.53... * TCP_NODELAY set *
Connected to www.netzwissen.de (138.201.52.53) port 443 (#0) * ALPN, offering h2 * ALPN, offering
http/1.1 * successfully set certificate verify locations: * CAfile: /etc/ssl/certs/ca-certificates.crt
```

```
CApath: /etc/ssl/certs
```

```
* TLSv1.3 (OUT), TLS handshake, Client hello (1): * TLSv1.3 (IN), TLS handshake, Server hello (2): *
TLSv1.2 (IN), TLS handshake, Certificate (11): * TLSv1.2 (IN), TLS handshake, Server key exchange
(12): * TLSv1.2 (IN), TLS handshake, Server finished (14): * TLSv1.2 (OUT), TLS handshake, Client key
exchange (16): * TLSv1.2 (OUT), TLS change cipher, Client hello (1): * TLSv1.2 (OUT), TLS handshake,
Finished (20): * TLSv1.2 (IN), TLS handshake, Finished (20): * SSL connection using TLSv1.2 / ECDHE-
RSA-CHACHA20-POLY1305 * ALPN, server accepted to use http/1.1 * Server certificate: * subject:
CN=www2.netzwissen.de * start date: Nov 27 15:13:22 2019 GMT * expire date: Feb 25 15:13:22
2020 GMT * subjectAltName: host "www.netzwissen.de" matched cert's "www.netzwissen.de" * issuer:
C=US; O=Let's Encrypt; CN=Let's Encrypt Authority X3 * SSL certificate verify ok.> HEAD / HTTP/1.1>
Host: www.netzwissen.de> User-Agent: curl/7.58.0> Accept: */*> <HTTP/1.1 301 Moved Permanently
HTTP/1.1 301 Moved Permanently <Date: Sat, 21 Dec 2019 07:09:44 GMT Date: Sat, 21 Dec 2019
07:09:44 GMT <Server: Apache/2.4.29 (Ubuntu) Server: Apache/2.4.29 (Ubuntu) <Strict-Transport-
Security: max-age=31536000; includeSubDomains Strict-Transport-Security: max-age=31536000;
includeSubDomains <X-Content-Type-Options: nosniff X-Content-Type-Options: nosniff <Set-Cookie:
21529421b0cb0cfcfd6db3ee5cf2b926a=f0uvjqImf5eos249i316kh3hfr; path=/; domain=netzwissen.de;
secure; HttpOnly Set-Cookie: 21529421b0cb0cfcfd6db3ee5cf2b926a=f0uvjqImf5eos249i316kh3hfr;
path=/; domain=netzwissen.de; secure; HttpOnly <Expires: Wed, 17 Aug 2005 00:00:00 GMT Expires:
Wed, 17 Aug 2005 00:00:00 GMT <Last-Modified: Sat, 21 Dec 2019 07:09:45 GMT Last-Modified: Sat,
21 Dec 2019 07:09:45 GMT <Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-
check=0, no-store, no-cache, must-revalidate, post-check=0, pre-check=0 Cache-Control: no-store,
no-cache, must-revalidate, post-check=0, pre-check=0, no-store, no-cache, must-revalidate, post-
check=0, pre-check=0 <Pragma: no-cache Pragma: no-cache <Location:
https://www.netzwissen.de/de/ Location: https://www.netzwissen.de/de/ <Content-Type: text/html;
```

charset=utf-8 Content-Type: text/html; charset=utf-8 <\* Connection #0 to host [www.netzwissen.de](http://www.netzwissen.de) left intact <code>

# Proxy Anfragen

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