

cURL

cURL?????????????????curl?libcurl?????????????????????URL????????? cURL
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Tips

Cheat Sheet



hide progress	verbose	extra info	output	timeout
-s	-v --trace-ascii <file>	-w "format"	-O -o <file>	-m <seconds>
POST	POST encoded	multipart formpost	PUT	HEAD (ers too)
-d "string" -d @file	--data-urlencode "[name]=val"	-F name=value -F name=@file	-T <file>	-I -i
custom method	read cookiejar	write cookiejar	send cookies	user-agent
-X "METHOD"	-b <file>	-c <file>	-b "c=1; d=2"	-A "string"
proxy	add/remove headers	custom address	smaller data	insecure HTTPS
-x <host:port>	-H "name: value" -H "name:"	--resolve <host:port:addr>	--compressed	-k
Basic auth	follow redirects	parallel	generate code	list options
-u user:passwd	-L	-Z	--libcurl <file>	--help

Options in the integration with Shell

```
CURL_CMD="curl"  
CURL_OPT="-qSfs -m 60"  
CURL_OPT_POST="-qSfs -m 60 -X POST"
```

POST Request

Send an Empty POST Request

```
curl -X POST https://catonmat.net
```

Send a POST Request with Form Data

```
curl -d 'login=emma&password=123' -X POST https://google.com/login
```



```
curl https://your-server-name
```

HTTP Status Codes

"HTTP Status Code" --> A 3 Digit "Server Response" sent by a web server to a client, indicating the request was completed successfully or not.

1XX : HTTP Information Code	3XX : HTTP Redirection Codes	4XX : HTTP Client Error Codes
-100 : Continue	-300 : Multiple Choices	-400 : Bad Request
-101 : Switching Protocols	-301 : Moved Permanently	-401 : Unauthorized
-102 : Processing	-302 : Found	-402 : Payment Required
-103 : Checkpoint	-303 : See Other	-403 : Forbidden
-122 : Request-URI too Long	-304 : Not Modified	-404 : Not Found
	-305 : Use Proxy	-405 : Method Not Allowed
2XX : HTTP Successful Codes	3XX: HTTP Server Error Codes	-406 : Not Acceptable
-200 : OK	-500 : Internal Server Error	-407 : Proxy Authentication Required
-201 : Created	-501 : Not Implemented	-408 : Request Timeout
-202 : Accepted	-502 : Bad Gateway	-409 : Conflict
-203 : Non-Authoritative Informaion	-503 : Service Unavailable	-410 : Gone
-204 : No Content	-504 : Gateway Timeout	-411 : Length Required
-205 : Reset Content	-505 : HTTP Version Not Supported	-412 : Precondition Failed
-206 : Partial Content	-506 : Variant Also Negotiates	-413 : Request Entity Too Large
-207 : Multi-Status	-507 : Insufficient Storage	-414 : Request URI too long
-208 : Already Reported	-508 : Loop Detected	-415 : Unsupported Media Type
-226 : IM Used	-509 : Bandwidth Limit Exceed	-416 : Requested Range not
Request Methods :	-510 : Not Extended	-417 : Expectation Failed
-GET : Requests a representation of the specified resource	-511 : Network Authentication Required	-418 : I am a teapot
-POST : Requests the server to accept the entity enclosed in the request	-598 : Network Read Timeout Error	-422 : Unprocessable Entity
-HEAD : Request similar to GET but without the response body	-599 : Network Connect Timeout Error	-423 : Locked
-PUT : Requests to store the enclosed entity to supplied URI		-424 : Failed Dependency
-DELETE : Deletes the specified resource	Created by:	-425 : Unordered Collection
-OPTIONS : Returns the HTTP Methods supported by server for URL Specified	[twitter.com/IamLucif3r_]	-426 : Upgrade Required
-CONNECT : starts a two-way communication with requested resource		-428 : Precondition Required
		-429 : Too Many Requests
		-431 : Request HEader Fields too large
		-444 : No Response
		-449 : Retry With
		-450 : Blocked by Windows Parental Controls
		-451 : Unavailable for Legal Reasons
		-499 : Client Closed Request

Use a Proxy

```
curl -x username:Password@myproxy.com:8080 https://catonmat.net
```

Download

```
curl -L https://github.com/path/to/the/release/file > releasefile
```

```
curl --request GET \
```

```
--url 'https://www.tenable.com/downloads/api/v2/pages/nessus/files/Nessus-10.5.1-  
es9.x86_64.rpm' \  
--output 'Nessus-10.5.1-es9.x86_64.rpm'
```

Online Tools

More online tools

- [Online CSV Tools](#)
- [Online Time Tools](#)

Public IP

Web Online

- <https://ipinfo.io/what-is-my-ip>

```
↪ curl ifconfig.me
```

```
219.68.222.111↵
```

```
↪ curl ifconfig.me/ip
```

```
219.68.222.111↵
```

```
↪ curl ip.im
```

```
↪ curl ipv4.im
```

```
↪ curl ip.im/info
```

```
↪ curl ip.im/8.8.8.8
```

```
curl ifconfig.co
```

```
curl checkip.amazonaws.com
```

```
curl icanhazip.com
```

```
curl ipecho.net/plain
```

```
curl -Ls myip.check.place
```

CryptoCurrency

[rate.sx](#)

[curl-rate-sx.png](#)

```
curl rate.sx
```

```
curl rate.sx/btc
```

```
curl rate.sx/btc@3d # for last 3 days
curl rate.sx/1btc # convert 1 BTC to ?? USD
curl rate.sx/:help
```

Weather

wttr.in

[curl-wttr-in.png](#)

```
curl wttr.in
curl wttr.in/TaoYuan
curl wttr.in/:help
```

QRcode

qrenco.de

[curl-qrenco-de.png](#)

```
curl qrenco.de
curl qrenco.de/www.youtube.com
curl qrenco.de/:help
printf "$@" | curl -F-=\<- qrenco.de
```

Shorten URL

0x0.st

[curl-0x0-st.png](#)

```
curl -F 'shorten=https://www.osslab.tw' https://0x0.st
```

Tinyurl.com: short URL from the terminal

```
echo https://URL | xargs -r -I {} curl -s -d url={} -G https://tinyurl{.}com/create.php | \
awk '/indent/ {print substr($2,19,39)}' | sed '2!d' | sed 's/<.*//'
```


Learning cURL

- [Basics of HTTP Requests with cURL: An In-Depth Tutorial](#)
- [Curl Cookbook](#)
- [Httpie](#) - Alternative to Curl
- [posting](#) - A powerful HTTP client that lives in your terminal.