

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
```

GET Request

Send a GET Request and Print the Response to Screen

```
curl https://catonmat.net/api?a=1&b=2
```

Send a GET Request and Save the Response to a File

```
curl -o response.txt https://catonmat.net/api?a=1&b=2
```

Self-Signed Certificate

“ Error: curl: (60) SSL certificate problem: unable to get local issuer certificate

? curl ?? HTTPS ??????? self-signed certificate ?????????????????????? curl
????????????????????????????????????? curl ?????

??????????

1. ? Firefox ? Chrome ?????????? CA ?? *.pem
2. curl ?? *.pem CA ??????

curl ?????? CA ??? *.pem???????

```
# []
```

```
curl --cacert your-server-ca.pem https://your-server-name
```

```
# []
```

```
# [] curl [] CApath, [] CA file
```

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

```
curl: (77) error setting certificate verify locations:
```

```
CAfile: xxx
```

```
CApath: /etc/ssl/certs <===
```

```
# [] CApath [] ca-certificates.crt , []
```

```
# []
```

```
# [redacted]curl [redacted] CA file
cat your-server-ca.pem >> /etc/ssl/certs/ca-certificates.crt
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
	-306 : Switch Proxy	-406 : Not Acceptable
2XX : HTTP Successful Codes	-307 : Temporary Redirect	-407 : Proxy Authentication Required
-200 : OK	-308 : Permanent Redirect	-408 : Request Timeout
-201 : Created		-409 : Conflict
-202 : Accepted	5XX: HTTP Server Error Codes	-410 : Gone
-203 : Non-Authoritative Informaion	-500 : Internal Server Error	-411 : Length Required
-204 : No Content	-501 : Not Implemented	-412 : Precondition Failed
-205 : Reset Content	-502 : Bad Gateway	-413 : Request Entity Too Large
-206 : Partial Content	-503 : Service Unavailable	-414 : Request URI too long
-207 : Multi-Status	-504 : Gateway Timeout	-415 : Unsupported Media Type
-208 : Already Reported	-505 : HTTP Version Not Supported	-416 : Requested Range not
-226 : IM Used	-506 : Variant Also Negotiates	-417 : Expectation Failed
Request Methods :	-507 : Insufficient Storage	-418 : I am a teapot
-GET : Requests a representation of the specified resource	-508 : Loop Detected	-422 : Unprocessable Entity
-POST : Requests the server to accept the entity enclosed in the request	-509 : Bandwidth Limit Exceed	-423 : Locked
-HEAD : Request similar to GET but without the response body	-510 : Not Extended	-424 : Failed Dependency
-PUT : Requests to store the enclosed entity to supplied URI	-511 : Network Authentication Required	-425 : Unordered Collection
-DELETE : Deletes the specified resource	-598 : Network Read Timeout Error	-426 : Upgrade Required
-OPTIONS : Returns the HTTP Methods supported by server for URL Specified	-599 : Network Connect Timeout Error	-428 : Precondition Required
-CONNECT : starts a two-way communication with requested resource		-429 : Too Many Requests
		-431 : Request HEader Fields too large
		-444 : No Response
	Created by:	-449 : Retry With
	[twitter.com/IamLucif3r_]	-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 --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'
```

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