

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 -s https://api.cloudflare.com/client/v4/zones/CA -X GET -H 'X-Auth-As: *.pem'
```


--	--	--

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


--	--	--

```
# curl -k CApath, CA file
```

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

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

CAfile: xxx

Cpath: /etc/ssl/certs <===

```
# Cpath ca-certificates.crt ,
```

[illegible]

```
# [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] curl [ ] [ ] [ ] [ ] [ ] [ ] 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
-100 : Continue
-101 : Switching Protocols
-102 : Processing
-103 : Checkpoint
-122 : Request-URI too Long
-----
2XX : HTTP Successful Codes
-200 : OK
-201 : Created
-202 : Accepted
-203 : Non-Authoritative Informaion
-204 : No Content
-205 : Reset Content
-206 : Partial Content
-207 : Multi-Status
-208 : Already Reported
-226 : IM Used
-----
Request Methods :
-GET : Requests a representation
      of the specified resource
-POST : Requests the server to
       accept the entity enclosed
       in the request
-HEAD : Request similar to GET but
       without the response body
-PUT  : Requests to store the
       enclosed entity to supplied
       URI
-DELETE : Deletes the specified
        resource
-OPTIONS : Returns the HTTP Methods
         supported by server for
         URL Specified
-CONNECT : starts a two-way
         communication with
         requested resource
-----
3XX : HTTP Redirection Codes
-300 : Multiple Choices
-301 : Moved Permanently
-302 : Found
-303 : See Other
-304 : Not Modified
-305 : Use Proxy
-306 : Switch Proxy
-307 : Temporary Redirect
-308 : Permanent Redirect
-----
4XX : HTTP Client Error Codes
-400 : Bad Request
-401 : Unauthorized
-402 : Payment Required
-403 : Forbidden
-404 : Not Found
-405 : Method Not Allowed
-406 : Not Acceptable
-407 : Proxy Authentication
      Required
-408 : Request Timeout
-409 : Conflict
-410 : Gone
-411 : Length Required
-412 : Precondition Failed
-413 : Request Entity Too
      Large
-414 : Request URI too long
-415 : Unsupported Media Type
-416 : Requested Range not
-417 : Expectation Failed
-418 : I am a teapot
-422 : Unprocessable Entity
-423 : Locked
-424 : Failed Dependency
-425 : Unordered Collection
-426 : Upgrade Required
-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
-----
5XX : HTTP Server Error Codes
-500 : Internal Server Error
-501 : Not Implemented
-502 : Bad Gateway
-503 : Service Unavailable
-504 : Gateway Timeout
-505 : HTTP Version Not
      Supported
-506 : Variant Also Negotiates
-507 : Insufficient Storage
-508 : Loop Detected
-509 : Bandwidth Limit Exceed
-510 : Not Extended
-511 : Network Authentication
      Required
-598 : Network Read Timeout
      Error
-599 : Network Connect Timeout
      Error
-----
Created by:
-----
[ twitter.com/IamLucif3r_ ]

```

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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