

# Tips

## Cheat Sheet



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

## 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://raw.githubusercontent.com/
```

# 

--	--	--

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

# 

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```
# 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 -k 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      |
|2XX : HTTP Successful Codes     | -306 : Switch Proxy           | -406 : Not Acceptable         |
| -200 : OK                      | -307 : Temporary Redirect      | -407 : Proxy Authentication   |
| -201 : Created                 | -308 : Permanent Redirect      | Required                       |
| -202 : Accepted                |-----| -408 : Request Timeout        |
| -203 : Non-Authoritative Informaion |5XX: HTTP Server Error Codes   | -409 : Conflict               |
| -204 : No Content              | -500 : Internal Server Error   | -410 : Gone                   |
| -205 : Reset Content           | -501 : Not Implemented         | -411 : Length Required        |
| -206 : Partial Content         | -502 : Bad Gateway            | -412 : Precondition Failed    |
| -207 : Multi-Status            | -503 : Service Unavailable     | -413 : Request Entity Too     |
| -208 : Already Reported        | -504 : Gateway Timeout         | Large                          |
| -226 : IM Used                 | -505 : HTTP Version Not       | -414 : Request URI too long   |
|-----| Supported                       | -415 : Unsupported Media Type |
| Request Methods :              | -506 : Variant Also Negotiates| -416 : Requested Range not    |
| -GET : Requests a representation | -507 : Insufficient Storage    | -417 : Expectation Failed     |
|   of the specified resource      | -508 : Loop Detected           | -418 : I am a teapot          |
| -POST : Requests the server to   | -509 : Bandwidth Limit Exceed | -422 : Unprocessable Entity   |
|   accept the entity enclosed     | -510 : Not Extended            | -423 : Locked                  |
|   in the request                 | -511 : Network Authentication | -424 : Failed Dependency      |
| -HEAD : Request similar to GET   | Required                       | -425 : Unordered Collection   |
|   but without the response body  | -598 : Network Read Timeout    | -426 : Upgrade Required       |
| -PUT : Requests to store the     | Error                          | -428 : Precondition Required  |
|   enclosed entity to supplied    | -599 : Network Connect Timeout | -429 : Too Many Requests     |
|   URI                            | Error                          | -431 : Request HHeader Fields |
| -DELETE : Deletes the specified  |-----| too large                     |
|   resource                       | -444 : No Response             |
| -OPTIONS : Returns the HTTP      | -449 : Retry With              |
|   Methods supported by server    | -450 : Blocked by Windows     |
|   for URL Specified              | Parental Controls              |
| -CONNECT : starts a two-way      | [ twitter.com/IamLucif3r_ ]   | -451 : Unavailable for Legal  |
|   communication with             | -499 : Client Closed Request  |
|   requested resource              |
|-----|

```

## 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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