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Front Page
libcurl index

API

Tutorial
Error Codes
Symbols In Versions
All Functions
easy Interface
multi Interface
share Interface

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cURL ► libcurl ► API ► Example Source Codes

libcurl - small example snippets

We're gathering libcurl example source codes here. Please submit yours!

NOTE: These files are intended as examples only. In the interest of simplicity and clarity, they might not include proper error handling and might produce compiler warnings on some platforms. Real-world applications should pay more attention to these issues.

[allexamples.zip](#) contains all the example sources, roughly 100K compressed.

You can also see a list of all [libcurl easy options and which example source codes that use them](#).

Some of the Examples

simple HTTP

[simple.c](#) shows how to get a remote web page in only four libcurl function calls.

simple HTTPS

[https.c](#) gets a single HTTPS page, while [simplessl.c](#) shows how to get a remote https page and a set of various SSL-controlling options.

get HTTP with headers separate

[sepheader.c](#) gets a web page and stores the response-headers in a separate file.

simple FTP

[ftpget.c](#) proves that getting a FTP file is just as simple.

FTP upload

[ftpupload.c](#) uploads a local file to a remote FTP server. It also renames the file after successful transfer.

get a remote file in memory only

[getinmemory.c](#) describes how you can use the callback system to fetch documents into a ram buffer with no file writing necessary.

HTTP PUT

[httpput.c](#) makes PUTs a local file to a HTTP server.

HTTP form POST

[postit2.c](#) shows how to build a RFC1867-style form post and send it to a HTTP server.

persistant transfers

[persistant.c](#) shows that just getting files in a sequential manner will make it use persistant connections if the remote server supports it.

multithreaded URL fetches

[multithread.c](#) starts a number of threads and retrieves one URL in each thread. This requires a working thread library.

URL fetch with GTK progress bar

[curlgtk.c](#) uses GTK and the libcurl progress callback to show a GUI progress bar while downloading.

fopen() URL

[fopen.c](#) shows how you could write an fopen()-style emulation layer to easily make your program read URLs instead of local files.

nonblocking multipart formpost

[multi-post.c](#) makes a multipart formpost using the multi interface, which makes it a non-blocking operation.

debug callback

[debug.c](#) shows how you can use the debug callback to get a full trace of all protocol data being sent/received (and more).

HTML parsing

[htmltitle.cc](#) shows how to use libxml to parse HTML retrieved with libcurl.

Using CURLOPT_SSL_CTX_FUNCTION

[curlx.c](#) uses [CURLOPT_SSL_CTX_FUNCTION](#) to set a custom callback to deal with an OpenSSL SSL_CTX * at SSL handshake time

All Examples

[10-at-a-time.c](#)
[anyauthput.c](#)
[cacertinmem.c](#)
[certinfo.c](#)
[chkspeed.c](#)
[cookie_interface.c](#)
[curlgtk.c](#)
[curlx.c](#)
[debug.c](#)
[evhiperfifo.c](#)
[externalsocket.c](#)
[fileupload.c](#)
[fopen.c](#)
[ftp-wildcard.c](#)
[ftpget.c](#)
[ftpgetinfo.c](#)
[ftpgetresp.c](#)
[ftpupload.c](#)
[ftpuploadresume.c](#)
[getinfo.c](#)
[getinmemory.c](#)
[ghiper.c](#)
[hiperfifo.c](#)
[htmltidy.c](#)
[http-post.c](#)
[httpcustomheader.c](#)
[httpput.c](#)
[https.c](#)
[imap.c](#)
[multi-app.c](#)
[multi-debugcallback.c](#)
[multi-double.c](#)
[multi-post.c](#)
[multi-single.c](#)
[multithread.c](#)
[opensslthreadlock.c](#)
[persistant.c](#)
[pop3s.c](#)
[pop3slist.c](#)
[post-callback.c](#)
[postit2.c](#)
[progressfunc.c](#)
[resolve.c](#)
[rtsp.c](#)
[sampleconv.c](#)
[sendrecv.c](#)
[sepheaders.c](#)
[simple.c](#)
[simplepost.c](#)
[simplesmtp.c](#)
[simplessl.c](#)
[smooth-gtk-thread.c](#)
[smtp-multi.c](#)
[smtp-tls.c](#)
[synctime.c](#)
[threaded-ssl.c](#)
[url2file.c](#)

SSL handshake time.

Doing SOAP with libcurl

[SOAP example by vivtek.com](#)

You'll also find these examples in the distribution archive, in the **docs/examples** directory.

Donate!

[File upload with ASP.NET](#)

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