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Tutorial – libCURL on Qt Creator with MinGW

by admin on March 7, 2014 in [C/C++](#), [Programming](#), [Qt](#) with [No comments](#)

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Using **libCURL on Qt Creator with MinGW** as compiler can give you many headaches when you try to *add libCURL references on your Qt project*. So, In next words I will help you to use libCURL inside your Qt project. If you don't link/add libCURL correctly to project you will get **'unresolved externals'** and other similar errors.

What is libCURL?

What Wikipedia says:

libcurl is a free client-side URL transfer library, supporting FTP, FTPS, Gopher, HTTP, HTTPS, SCP, SFTP, TFTP, Telnet, DICT, the file URI scheme, LDAP, LDAPS, IMAP, POP3, SMTP and RTSP.

In other words If you develop a software on C/C++ with Qt and if you want to use FTP or send an HTTP request for example you should use libcurl because it is a good library for this work and is free for any use. The official website: <http://curl.haxx.se/libcurl/>

Downloading resources:

For this tutorial I'm using **Qt 5.2.1 for Windows 32-bit (MinGW 4.8, OpenGL, 634 MB)**. You can find the version here: <http://qt-project.org/downloads>

I'm also using MinGW64 7.34.0 devel SSL SSH Günter Knauf 2.18 MB available to download here: [libcurl for qt](#)

Win64 - MinGW64				
MinGW64	7.34.0	binary	SSL SSH Günter Knauf	1.18 MB
MinGW64	7.34.0	devel	SSL SSH Günter Knauf	2.18 MB

Using libCURL on Qt Creator Project:

Assuming that you have downloaded **curl-7.34.0-devel-mingw32** and unzipped to **C:\Libs\C\curl-7.34.0-devel-mingw32** you have now to:

DoubleClick on your project name (**project_name.pro** – left corner>UP) and there add:

```
1 INCLUDEPATH += C:\Libs\C\curl-7.34.0-devel-mingw32\include
2 LIBS += C:\Libs\C\curl-7.34.0-devel-mingw32\lib\libcurl.dll.a
```

Now go to **C:\Libs\C\curl-7.34.0-devel-mingw32\bin** and copy all files from this folder to your Qt Debug/Release Folder:

C:\Libs\C\curl-7.34.0-devel-mingw32\bin				
Name	Date modified	Type	Size	
curl	24.12.2013 16:16	Application	153 KB	
libcurl.dll	24.12.2013 16:16	Application extens...	612 KB	
libeay32.dll	08.02.2013 21:44	Application extens...	1.665 KB	
libidn-11.dll	30.03.2010 22:29	Application extens...	274 KB	
librtmp.dll	10.10.2010 15:16	Application extens...	180 KB	
libssh2.dll	04.12.2012 11:42	Application extens...	167 KB	
ssleay32.dll	08.02.2013 21:44	Application extens...	356 KB	
zlib1.dll	22.06.2013 19:23	Application extens...	111 KB	

Now on your C/C++ file include libCURL dependencies using:

```
1 #include <curl/curl.h>
```

Conclusions:

You know now **how to use libCURL library on C/C++ Qt Application** and you are able to make requests on C/C++ and many more!

Any example of how to use libCURL you will find here: <http://curl.haxx.se/libcurl/c/example.html>

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