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Subject: MySQL and upp 2017r1

Posted by [Melek](#) on Thu, 26 Jan 2017 01:24:11 GMT

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C:/Ultimatepp/bin/mingw64/32/bin/./lib/gcc/i686-w64-mingw32/6.2.0/./././././i686-w64-mingw32/bin/ld.exe: cannot find -lmysql  
collect2.exe: error: ld returned 1 exit status

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Subject: Re: MySQL and upp 2017r1

Posted by [mr\\_ped](#) on Tue, 31 Jan 2017 02:42:36 GMT

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Did you follow this part of documentation?

[http://www.ultimatepp.org/srcdoc\\$MySQL\\$NativeMySQL\\$en-us.htm](http://www.ultimatepp.org/srcdoc$MySQL$NativeMySQL$en-us.htm) I

Can you verify you have your include/library paths set to your installation of mysql development library?

(it's not part of upp package IIRC)

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Subject: Re: MySQL and upp 2017r1

Posted by [germax](#) on Sun, 30 Apr 2017 18:07:26 GMT

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Since this is the latest rendition of the all popular mingw vs mysql error...  
I'll reuse this thread.

Exact same error as OP

here are my settings (as closely taken from the SQL\_MySql reference - example I am trying to get running)

executable path is set to the mysql-bin directory of course (just not room to patch another snippet into that screenshot )

Well...  
Anyone?

## File Attachments

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1) [mingw-mysql-error.png](#), downloaded 734 times

- SQL\_MySql
- Core
- MySql
- Sql
- plugin/z
- <prj-aux>
- <ide-aux>
- <temp-aux>
- <meta>

**Build methods**

Method: **MINGW**  
MINGWx64

Lock link mode

Script file:

Builder: GCC

Compiler name: [ ] External debugger: gdb

Common options: -msse2 -D\_\_CRT\_NO\_INLINE

Common C++ options: -std=c++14

Common C options: [ ]

Common link options: [ ]

Common fixed flags: [ ]

**Debug mode defaults**

Default debug info level: Full [v]  Use BLITZ  All static  Shared lib

Debug options: -O0

Debug fixed flags: [ ]

Debug link options: [ ]

**Release mode defaults**

Use BLITZ  All static  Shared lib

Release options: -O2 -ffunction-sections

Release fixed flags: [ ]

Release link options: [ ]

Allow precompiled headers  Disable BLITZ

**PATH - executable directories**

- T:\upp\bin\mingw64\32\i686-w64-mingw32\include
- T:\upp\bin\mingw64\32\opt\include
- T:\mysql-5.5.55-win32\include

**INCLUDE directories**

- T:\upp\bin\mingw64\32\i686-w64-mingw32\include
- T:\upp\bin\mingw64\32\opt\lib
- T:\mysql-5.5.55-win32\lib

Directory: T:\mysql-5.5.55-win32\include

mysql	my_xml.h
decimal.h	mysql.h
errmsg.h	mysql_com.h
keycache.h	mysql_embed.h
m_ctype.h	mysql_time.h
m_string.h	mysql_version.h
my_alloc.h	mysqld_ename.h
my_attribute.h	mysqld_error.h
my_compiler.h	plugin.h
my_config.h	plugin_audit.h
my_debug.h	plugin_ftparser.h
my_dir.h	sql_common.h
my_getopt.h	sql_state.h
my_global.h	sslopt-case.h
my_list.h	sslopt-longopts.h
my_net.h	sslopt-vars.h
my_pthread.h	typelib.h
my_sys.h	

34 file(s) 428.0 K

Directory: T:\mysql-5.5.55-win32\

Home	debug
Desktop	plugin
Music	libmysql.dll
Pictures	libmysql.lib
Videos	libmysql.pdb
Documents	libmysqld.dll
SATA1 (C:)	libmysqld.lib
Eigenes (D:)	libmysqld.pdb
Media (E:)	mysqlclient.lib
E-Boot (F:)	mysqld.lib
Data 30 (G:)	mysqld.pdb
emule (H:)	mysqlserver.lib
zu Installieren (I:)	mysqlservices.lib
DATA 95 (J:)	
DATA 90 (K:)	

? Folder(s) 0 File(s)

Subject: Re: MySql and upp 2017r1

Posted by [germax](#) on Mon, 01 May 2017 14:02:47 GMT

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So, just as I expected

Anyways;

for those of you that have the exact same Problem..

the mysql - lib folder is missing a file libmysql.a  
that you must create yourself I'm afraid  
(dl'ed files off the internet won't work well, since they must exactly match the mysql version installed)

Fear not it's not difficult at all:  
five simple steps:

Copy your libmysql.dll to your MinGW bin directory  
Open a console at said directory  
Run `pexports libmysql.dll > libmysql.def` \*  
Run `dlltool -k --input-def libmysql.def --dllname libmysql.dll --output-lib libmysql.a` \*  
Copy libmysql.a back to your mysql server's lib folder \*

You are done..

except for when you're encountered issues on the way  
first: upp's mingw (at least mine) is not coming with pexports,  
you can grab a MinGW standalone off sourceforge and use that instead,  
or you could use dlltool itself to create the def file (hopefully to your likings )  
like so:  
`dlltool --export-all-symbols --dllname libmysql.dll --output-def libmysql.def`  
or if you have an older minGW laying around that came with MinGW utils reimp or you're able to trace that down  
just use that on the libmysql.lib file (not the dll )  
`reimp -d libmysql.lib`

Now that you got this, the next thing you might trip is making a non-zero sized libmysql.a file  
I know I did.

Check your windows environment variables (path to be exact)

if you're like me it's not too short at all..

inspect it thoroughly!

Make sure your mingw-bin path is in there,

AND make sure no interfering path is listed before that (in my case it was an old symbian tool chain (CSL ARM))

if in doubt check all listed paths for mingw files.. and remove them for now (or permanently.. it's up to you)

when your path variable is cleaned try again creating the libmysql.a file.

once the libmysql.a is of non zero size you can go on and use that

The last step (in case needed) [I didn't]  
is rather trivial again... once your compiler throws errors referring to mysql..  
like  
mysql\_fetch\_row@4 or  
mysql\_set\_character\_set@8  
or alike

open your def file and append the respective @# part to it  
(change mysql\_fetch\_row to my\_sql\_fetch\_row@4 and mysql\_set\_character\_set to  
mysql\_set\_character\_set@8 etc.pp)  
redo step 4 (make a new libmysql.a file with dlltool)  
copy it over to your mysql library folder and you're finally through.

I hope this info helps a handful of you.