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Subject: Compiling issue with MySQL and GCC  
Posted by [BioBytes](#) on Sat, 16 Apr 2016 07:39:20 GMT  
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Hello,

I opened a new topic as Function4U package bug with MingW has solved by Koldo.

The issue now is with RichEdit and MySQL too. I obtained the following errors (Win7 and Upp-9596-MingW). I would add that y project compiles with no error with MSC15. :p

```
Upp::RichEdit::DefaultBar(Upp::Bar&, bool)
():
D:/Installations/Compilateurs/upp/out/MyApps-bazaar/IVDManager/MINGW.Debug.Debug_Full.G
ui.Main.Mt.MySqlDll.Sse2$blitz.o: In function `ZN12IVDReportDlgC2Ev':
E:/Data/Projets Ultimate/IVDManager/IVDReport.cpp (76): undefined reference to
`Upp::RichEdit::RichEdit()'
E:/Data/Projets Ultimate/IVDManager/IVDReport.cpp (76): undefined reference to
`Upp::RichEdit::~~RichEdit()'
():
D:/Installations/Compilateurs/upp/out/MyApps-bazaar/IVDManager/MINGW.Debug.Debug_Full.G
ui.Main.Mt.MySqlDll.Sse2$blitz.o: In function `ZN3Upp8RichEdit6SetQTFEPKc':
D:/Installations/Compilateurs/upp/uppsrc/RichEdit/RichEdit.h (782): undefined reference to
`Upp::RichEdit::Pick(Upp::RichText)'
():
D:/Installations/Compilateurs/upp/out/MyApps-bazaar/IVDManager/MINGW.Debug.Debug_Full.G
ui.Main.Mt.MySqlDll.Sse2$blitz.o: In function `ZN12IVDReportDlgD1Ev':
E:/Data/Projets Ultimate/IVDManager/IVDReport.h (13): undefined reference to
`Upp::RichEdit::~~RichEdit()'
():
D:/Installations/Compilateurs/upp/out/MyApps-bazaar/MySQL/MINGW.Debug.Debug_Full.Gui.Mt.
MySqlDll.Sse2\MySQL.o: In function `s__s49_fn':
D:/Installations/Compilateurs/upp/uppsrc/MySQL/MySQL.cpp (50): undefined reference to
`mysql_server_init@12'
():
D:/Installations/Compilateurs/upp/out/MyApps-bazaar/MySQL/MINGW.Debug.Debug_Full.Gui.Mt.
MySqlDll.Sse2\MySQL.o: In function `s__s53_fn':
D:/Installations/Compilateurs/upp/uppsrc/MySQL/MySQL.cpp (54): undefined reference to
`mysql_server_end@0'
():
D:/Installations/Compilateurs/upp/out/MyApps-bazaar/MySQL/MINGW.Debug.Debug_Full.Gui.Mt.
MySqlDll.Sse2\MySQL.o: In function `ZN3Upp12MySQLSession9DoConnectEv':
D:/Installations/Compilateurs/upp/uppsrc/MySQL/MySQL.cpp (66): undefined reference to
`mysql_set_character_set@8'
(): collect2.exe: error: ld returned 1 exit status
```

I did not forget to add libmysql.a Library in MySQL lib folder. Maybe the Library is too old :(

Waiting your comments

Thanks in advance

Biobytes

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [Novo](#) on Sat, 16 Apr 2016 23:28:09 GMT  
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Looks like you put your libraries in wrong order.

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [BioBytes](#) on Sun, 17 Apr 2016 20:15:34 GMT  
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Hi Novo,

Thanks for your advice but what do you mean by "wrong order". :roll:

I just add the paths to MySQL installation for the include and libs files as I did for MSC15

Regards  
Biobytes

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [BioBytes](#) on Mon, 18 Apr 2016 18:40:10 GMT  
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The problem is the mysql.dll.a which fails to link.

I tried to build the a lib with the MingW dlltool.exe tool but I get only an empty mysql.dll.a although the \*.def file is obtained from MySQL download. :cry:

No more idea ? :p

Regards  
Biobyte

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Subject: Re: Compiling issue with MySQL and GCC

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Posted by [BioBytes](#) on Thu, 21 Apr 2016 20:17:45 GMT

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Hi,

I solved partially the issue. RichEdit error disappeared as I forgot :blush: to add "#include <Richedit\RichText.h>" before "#include <RichEdit\RicheEdit.h>" in my header file.

Still remains the link problem with libmysql.a lib Under MingW.

I tried to create the libmysql.a using reimp.exe and dlltool.exe Tools but the built-in libmysql.a file still generates linking error

() : Linking has failed

```
() :
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblitz.Sse2\MySql.a(MySql.o) : l
n function `s__s49_fn':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (50): undefined reference to
`mysql_server_init@12'
() :
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblitz.Sse2\MySql.a(MySql.o) : l
n function `s__s53_fn':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (54): undefined reference to `mysql_server_end@0'
() :
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblitz.Sse2\MySql.a(MySql.o) : l
n function `ZN3Upp12MySqlSession9DoConnectEv':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (59): undefined reference to `mysql_init@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (61): undefined reference to
`mysql_real_connect@32'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (66): undefined reference to
`mysql_set_character_set@8'
() :
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblitz.Sse2\MySql.a(MySql.o) : l
n function `ZN3Upp12MySqlSession5CloseEv':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (143): undefined reference to `mysql_close@4'
() :
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblitz.Sse2\MySql.a(MySql.o) : l
n function `ZN3Upp12MySqlSession10MysqlQueryEPKc':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (153): undefined reference to `mysql_query@8'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (155): undefined reference to `mysql_errno@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (160): undefined reference to `mysql_error@4'
() :
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblitz.Sse2\MySql.a(MySql.o) : l
```

```
z.Sse2\MySql.a(MySql.o): I
n function `ZN3Upp15MySqlConnection12EscapeStringERKNS_6StringE':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (254): undefined reference to
`mysql_real_escape_string@16'
():
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblit
z.Sse2\MySql.a(MySql.o): I
n function `ZN3Upp15MySqlConnection7ExecuteEv':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (314): undefined reference to
`mysql_store_result@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (315): undefined reference to
`mysql_affected_rows@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (317): undefined reference to
`mysql_more_results@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (318): undefined reference to
`mysql_next_result@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (322): undefined reference to
`mysql_num_fields@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (326): undefined reference to
`mysql_fetch_field_direct@8'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (364): undefined reference to `mysql_insert_id@4'
():
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblit
z.Sse2\MySql.a(MySql.o): I
n function `ZN3Upp15MySqlConnection5FetchEv':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (388): undefined reference to `mysql_fetch_row@4'
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (390): undefined reference to
`mysql_fetch_lengths@4'
():
D:/Logiciels/Dvt/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug_Full.Gui.Mt.Mysqldll.Noblit
z.Sse2\MySql.a(MySql.o): I
n function `ZN3Upp15MySqlConnection10FreeResultEv':
D:/Logiciels/Dvt/upp/uppsrc/MySql/MySql.cpp (453): undefined reference to
`mysql_free_result@4'
(): collect2.exe: error: ld returned 1 exit status
```

Keep on trials to get the correct libmysql.a Library :d

Regards  
Biobytes

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [Novo](#) on Fri, 22 Apr 2016 01:10:05 GMT  
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This info should be useful: <http://gluescript.sourceforge.net/?q=node/39>

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [BioBytes](#) on Sat, 23 Apr 2016 13:07:31 GMT  
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Thanks Novo,

I did exactly as indicated in the link you mention but still got same errors when compiling my projetct with MINGW. :(

The libmysql.a was properly generated. The linking problem could maybe come from linkage settings in Upp

I tried to replace with -lmysql aand I got the following error:

```
():  
D:/Installations/Compilateurs/upp/bin/mingw64/32/bin/./lib/gcc/i686-w64-mingw32/5.3.0/././././i686-w64-mingw32/bin/ld.exe: cannot find -lmysql
```

I must say that my knowledge is quite limited on that subject. Perhaps you or somebody else could help.

Once again, thank you for your help :)

Regards

Biobytes

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [Novo](#) on Sat, 23 Apr 2016 16:32:58 GMT  
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BioBytes wrote on Sat, 23 April 2016 09:07

I tried to replace with -lmysql aand I got the following error:

Do not put "-lmysql" directly. What you need is just "mysql".

Hope this helps.

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Subject: Re: Compiling issue with MySQL and GCC  
Posted by [BioBytes](#) on Sun, 24 Apr 2016 19:11:44 GMT  
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Thanks Novo for advice in linkage parameter.

I got better results with a libmysql.a found on Web and dated April 15th 2005 which size is 108Ko. However I still got few errors. See below

() : Linking has failed

() :

D:/Installations/Compilateurs/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug\_Full.Gui.Mt.MysqldllMySql.o: In function `s\_\_s49\_fn':

D:/Installations/Compilateurs/upp/uppsrc/MySql/MySql.cpp (50): undefined reference to `mysql\_server\_init@12'

() :

D:/Installations/Compilateurs/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug\_Full.Gui.Mt.MysqldllMySql.o: In function `s\_\_s53\_fn':

D:/Installations/Compilateurs/upp/uppsrc/MySql/MySql.cpp (54): undefined reference to `mysql\_server\_end@0'

() :

D:/Installations/Compilateurs/upp/out/MyApps-bazaar/MySql/MINGW.Debug.Debug\_Full.Gui.Mt.MysqldllMySql.o: In function `ZN3Upp12MySqlSession9DoConnectEv':

D:/Installations/Compilateurs/upp/uppsrc/MySql/MySql.cpp (66): undefined reference to `mysql\_set\_character\_set@8'

() : collect2.exe: error: ld returned 1 exit status

Do you any other idea ? I begin to be lost now :(

Regards

Biobytes

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