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Subject: MySQL link error

Posted by [kagzer](#) on Thu, 26 Aug 2010 09:26:40 GMT

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Hello everybody

I very new in U++, but it seem to be the best IDE for me.

But I can't go ahead with mysql, because the linker gives me error: LNK2019.

I've setted the mysql lbraries, take it to PATH and many things. Googled many hours and search within this forum but i've stucked...

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Subject: Re: MySQL link error

Posted by [andrei\\_natanael](#) on Thu, 26 Aug 2010 11:04:52 GMT

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Hello kagzer,

Could you post entire output of the linker not only LNK2019?

Andrei

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Subject: Re: MySQL link error

Posted by [kagzer](#) on Thu, 26 Aug 2010 12:15:28 GMT

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----- Core ( MSC9 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 1 / 3 )

----- plugin/z ( MSC9 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 2 / 3 )

----- mysqlconsapp ( MAIN MSC9 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 3 / 3 )

Linking...

mysqlconsapp.obj : error LNK2019: unresolved external symbol "public: bool \_\_thiscall Upp::MySqlSession::Connect(char const \*,char const \*,char const \*,char const \*,int,char const \*)" (?Connect@MySqlSession>@Upp@@@QAE\_NPBD000H0@Z) referenced in function "void \_\_cdecl ConsoleMainFn\_(void)" (?ConsoleMainFn\_@@@YAXXZ)

mysqlconsapp.obj : error LNK2019: unresolved external symbol "public: virtual \_\_thiscall Upp::SqlSession::~~SqlSession(void)" (??1SqlSession@Upp@@@UAE>@XZ) referenced in function \_\_unwindfunclet\$??0MySqlSession@Upp@@@QAE>@XZ\$0

mysqlconsapp.obj : error LNK2019: unresolved external symbol "public: \_\_thiscall Upp::SqlSession::SqlSession(void)" (??0SqlSession@Upp@@@QAE>@XZ) referenced in function "public: \_\_thiscall Upp::MySqlSession::MySqlSession(void)" (??0MySqlSession@Upp@@@QAE>@XZ)

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```

mysqlconsapp.obj : error LNK2001: unresolved external symbol "protected: virtual class
Upp::SqlConnection * __thiscall Upp::MySqlConnection::CreateConnection(void)"
(?CreateConnection@MySqlConnection>@Upp@@@MAEPAVSqlConnection>@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall
Upp::MySqlConnection::Begin(void)" (?Begin@MySqlConnection>@Upp@@@UAEXXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall
Upp::MySqlConnection::Commit(void)" (?Commit@MySqlConnection>@Upp@@@UAEXXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall
Upp::MySqlConnection::Rollback(void)" (?Rollback@MySqlConnection>@Upp@@@UAEXXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual int __thiscall
Upp::SqlConnection::GetTransactionLevel(void)const "
(?GetTransactionLevel@SqlConnection>@Upp@@@UBEHXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::String
__thiscall Upp::SqlConnection::Savepoint(void)"
(?Savepoint@SqlConnection>@Upp@@@UAE?AVString@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall
Upp::SqlConnection::RollbackTo(class Upp::String const &)"
(?RollbackTo@SqlConnection>@Upp@@@UAEXABVString>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual bool __thiscall
Upp::MySqlConnection::IsOpen(void)const " (?IsOpen@MySqlConnection>@Upp@@@UBE_NXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::MySqlConnection::EnumUsers(void)"
(?EnumUsers@MySqlConnection>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::MySqlConnection::EnumDatabases(void)"
(?EnumDatabases@MySqlConnection>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@XZ
)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::MySqlConnection::EnumTables(class Upp::String)"
(?EnumTables@MySqlConnection>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@VStrin
g>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::SqlConnection::EnumViews(class Upp::String)"
(?EnumViews@SqlConnection>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@VString>@
2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::SqlConnection::EnumSequences(class Upp::String)"
(?EnumSequences@SqlConnection>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@VStri
ng>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<struct Upp::SqlColumnInfo> __thiscall Upp::SqlConnection::EnumColumns(class
Upp::String,class Upp::String)"
(?EnumColumns@SqlConnection>@Upp@@@UAE?AV?$Vector@USqlColumnInfo>@Upp@@@2>
@VString>@2>@0>@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::SqlConnection::EnumPrimaryKey(class
Upp::String,class Upp::String)"
(?EnumPrimaryKey@SqlConnection>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@VStri

```

```
ng>@2>@0>@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::String
__thiscall Upp::SqlSession::EnumRowID(class Upp::String,class Upp::String)"
(?EnumRowID@SqlSession>@Upp@@@UAE?AVString@2>@V32>@0>@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class
Upp::Vector<class Upp::String> __thiscall Upp::SqlSession::EnumReservedWords(void)"
(?EnumReservedWords@SqlSession>@Upp@@@UAE?AV?$Vector@VString>@Upp@@@2>@
XZ)
mysqlconsapp.obj : error LNK2019: unresolved external symbol "bool __cdecl
Upp::MySqlPerformScript(class Upp::String const &,struct Upp::StatementExecutor &,class
Upp::Gate2<int,int>)"
(?MySqlPerformScript@Upp@@@YA_NABVString@1>@AAUStatementExecutor>@1>@V?$Gate
2@HH>@1@@@Z) referenced in function "public: virtual b
ool (__cdecl*__thiscall Upp::MySqlSession::GetRunScript(void)const )(class Upp::String const
&,struct Upp::StatementExecutor &,class Upp::Gate2<int,int>)"
(?GetRunScript@MySqlSession>@Upp@@@UBEP6A_NABVString@2>@AAUStatementExecutor
>@2>@V?$Gate2@HH>@2@@@ZXZ)
mysqlconsapp.obj : error LNK2019: unresolved external symbol "public: void __thiscall
Upp::MySqlSession::Close(void)" (?Close@MySqlSession>@Upp@@@QAEXXZ) referenced in
function "public: virtual __thiscall Upp::MySqlSession::~~MySqlSession(void)"
(??1MySqlSession@Upp@@@UAE>@XZ)
C:\upp\out\MSC9.Debug.Debug_full\mysqlconsapp.exe : fatal error LNK1120: 22 unresolved
externals
```

There were errors. (0:06.04)

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Subject: Re: MySQL link error  
Posted by [cbpporter](#) on Thu, 26 Aug 2010 12:46:29 GMT  
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The problem is that you did not add the correct packages to your own package. You are using 3 packages, which is currently the minimum for console applications. "mysqlconsapp" is probably your own package. Core is the core of U++, and plugin/z is a dependency of Core, allowing it to provide compression and decompression services. Core does not feature Sql integration by itself. That is a job for another package.

You need to get used to the whole package idiom. Try to figure out what your project is made out of. So if you only have you code and the basics, you need to add a package that allows for Sql. This package is called Sql. You probably need the MySql package instead because you are using mysql.

PS: The fact that you can compile fine, but fail at linking is an unfortunate consequence of the way include paths work and you can include any file, even if you are not using the package if it is in the right location on disk.

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Subject: Re: MySQL link error  
Posted by [kagzer](#) on Thu, 26 Aug 2010 13:54:32 GMT  
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Here is the code:

```
#include <Core/Core.h>
#include <MySql/MySql.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
    int charSet = GetDefaultCharset() ;
    Cout() << "charset:" <<CharsetName( charSet ) << "\n" ;
    String s = "SELECT * FROM assyc;" ;

    MySqlSession sesion ;
    if (sesion.Connect( "username", "password", "database","hostip" ))
    {
        //
    }
}
```

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Subject: Re: MySQL link error  
Posted by [cbpporter](#) on Thu, 26 Aug 2010 14:14:21 GMT  
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Menu Project/Add package to 'mysqlconsapp', select MySql and click Ok.

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Subject: Re: MySQL link error  
Posted by [kagzer](#) on Thu, 26 Aug 2010 14:30:51 GMT  
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I will draw up a statue for You:)  
It works!

Thank You very much!!!

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Subject: Re: MySQL link error  
Posted by [ratah](#) on Mon, 20 Sep 2010 12:37:28 GMT  
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Hi everybody,

Experimentating on MySQL application, I have this link problem.

```
----- Core ( MT GCC FORCE_SIZE WIN32 ) ( 1 / 5)
----- MySql ( MT GCC FORCE_SIZE WIN32 ) ( 2 / 5)
----- plugin/z ( MT GCC FORCE_SIZE WIN32 ) ( 3 / 5)
----- Sql ( MT GCC FORCE_SIZE WIN32 ) ( 4 / 5)
----- insertionAFB ( MT MAIN GCC FORCE_SIZE WIN32 ) ( 5 / 5)
```

Linking...

```
c:/program files/codeblocks/mingw/bin/./lib/gcc/mingw32/4.4.1/./././././mingw32/bin/ld.exe:
cannot find -lmysql
collect2: ld returned 1 exit status
```

I copied everywhere the 3 libraries:

- libmysql.dll
- libmysql.lib
- mysqlclient.lib

Do someone can resolve/explain the reason

Thank you very much

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Subject: Re: MySQL link error  
Posted by [Patisab](#) on Mon, 04 Mar 2019 14:22:58 GMT  
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Hello,

I have the same problem :

```
D:/Donnees/PBE-Pgm/TDM-GCC-64/bin/./lib/gcc/x86_64-w64-mingw32/5.1.0/././././x86_64-w64-
mingw32/bin/ld.exe: cannot find -lmysql
collect2.exe: error: ld returned 1 exit status
```

Thank you for your help.

Bests regards.