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...

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

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_@@YAX
 XZ)
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)

mysqlconsapp.obj : error LNK2001: unresolved external symbol "protected: virtual class Upp::SqlConnection * __thiscall Upp::MySqlSession::CreateConnection(void)" (?CreateConnection@MySqlSession>@Upp@@MAEPAVSqlConnection>@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall Upp::MySqlSession::Begin(void)" (?Begin@MySqlSession>@Upp@@UAEXXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall Upp::MySqlSession::Commit(void)" (?Commit@MySqlSession>@Upp@@UAEXXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall Upp::MySqlSession::Rollback(void)" (?Rollback@MySqlSession>@Upp@@UAEXXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual int __thiscall Upp::SqlSession::GetTransactionLevel(void)const " (?GetTransactionLevel@SqlSession>@Upp@@UBEHXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::String __thiscall Upp::SqlSession::Savepoint(void)" (?Savepoint@SqlSession>@Upp@@UAE?AVString@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual void __thiscall Upp::SqlSession::RollbackTo(class Upp::String const &)" (?RollbackTo@SqlSession>@Upp@@UAEXABVString>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual bool __thiscall Upp::MySqlSession::IsOpen(void)const " (?IsOpen@MySqlSession>@Upp@@UBE_NXZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::Vector<class Upp::String> __thiscall Upp::MySqlSession::EnumUsers(void)" (?EnumUsers@MySqlSession>@Upp@@UAE?AV?$Vector@VString>@Upp@@@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::Vector<class Upp::String> __thiscall Upp::MySqlSession::EnumDatabases(void)" (?EnumDatabases@MySqlSession>@Upp@@UAE?AV?$Vector@VString>@Upp@@@2>@XZ)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::Vector<class Upp::String> __thiscall Upp::MySqlSession::EnumTables(class Upp::String)" (?EnumTables@MySqlSession>@Upp@@UAE?AV?$Vector@VString>@Upp@@@2>@VString>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::Vector<class Upp::String> __thiscall Upp::SqlSession::EnumViews(class Upp::String)" (?EnumViews@SqlSession>@Upp@@UAE?AV?$Vector@VString>@Upp@@@2>@VString>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::Vector<class Upp::String> __thiscall Upp::SqlSession::EnumSequences(class Upp::String)" (?EnumSequences@SqlSession>@Upp@@UAE?AV?$Vector@VString>@Upp@@@2>@VString>@2@@Z)
mysqlconsapp.obj : error LNK2001: unresolved external symbol "public: virtual class Upp::Vector<struct Upp::SqlColumnInfo> __thiscall Upp::SqlSession::EnumColumns(class Upp::String,class Upp::String)" (?EnumColumns@SqlSession>@Upp@@UAE?AV?$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::SqlSession::EnumPrimaryKey(class Upp::String,class Upp::String)" (?EnumPrimaryKey@SqlSession>@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?$Vector@VString>@Upp@@@2>@XZ)
mysqlconsapp.obj : error LNK2019: unresolved external symbol "bool __cdecl Upp::MySqlPerformScript(class Upp::String const &,struct Upp::StatementExecutor &,class Upp::Gate2<int,int>)" (?MySqlPerformScript@Upp@@YA_NABVString@1>@AAUStatementExecutor>@1>@V?$Gate2@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)

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.

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" ))
  {
   //
   }
}
```

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.

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!!!

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

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.
