Subject: SQL_ProgreSQL example building problems
Posted by xws001 on Fri, 22 Aug 2008 05:31:01 GMT
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Hi!
I'm try to use U++ 2008.1, and have problems with building SQL_ProgreSQL example.

console output:
>Linking...
>C:\soft\upp\mingw\bin/ld.exe: cannot find -lpq
>collect2: ld returned 1 exit status
>There were errors. (0:11.42)

PostgreSQL ver - 8.3.3
compiler - MinGW

in "Setup \Build methods":
 - into tab "INCLUDE directories" added "C:\Progra~1\Postgr~1\8.3\include"
 - into tab "LIB directories" added "C:\Progra~1\Postgr~1\8.3\lib"

Can you help me?

Subject: Re: SQL_ProgreSQL example building problems
Posted by captainc on Fri, 22 Aug 2008 11:57:56 GMT
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it will be looking for a file called pq.lib, where is this file located on your computer?

Subject: Re: SQL_ProgreSQL example building problems
Posted by xws001 on Mon, 25 Aug 2008 02:15:21 GMT
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On my computer is no file named "pq.lib".
But exists file "libpq.lib" (C:\Program Files\PostgreSQL\8.3\lib).

Subject: Re: SQL_ProgreSQL example building problems
Posted by Mindtraveller on Mon, 25 Aug 2008 09:16:47 GMT
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As far as I know MinGW uses .a, not .lib libraries. Is there pq.a on your computer?

Subject: Re: SQL_ProgreSQL example building problems
Posted by xws001 on Mon, 25 Aug 2008 10:45:50 GMT
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No any "*.a" file into PostgreSQL folders
and no any "pg.*" file in C: drive

Subject: Re: SQL_ProgreSQL example building problems
Posted by masu on Mon, 25 Aug 2008 12:11:11 GMT
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You have to specify -llibpq instead, this should work.

See also
http://www.mingw.org/wiki/FAQ

Matthias

Subject: Re: SQL_ProgreSQL example building problems
Posted by xws001 on Tue, 26 Aug 2008 02:30:18 GMT
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>Linking...
> C:\soft\upp\out\MINGW.Debug.Debug_full.Gui\SQL_PostgreSql.ex e (13812817 B) linked in (0:26.75)

Thanks!

I'm fix line
"library(WIN32 !NOPOSTGRESQL GCC) pq;"
to
"library(WIN32 !NOPOSTGRESQL GCC) libpq;"
inside "PostgreSQL.upp"
Is it a bug!?

P.S. As I think is no way to specify "-llibpq" param for compiler directly.

Subject: Re: SQL_ProgreSQL example building problems

Posted by captainc on Tue, 26 Aug 2008 03:02:24 GMT
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There are similar issues with other libraries as well; such as openssl and some other plugins. Binaries are installed in different directory structures than self-builds and self-compiled build methods can create different library names. These slight adjustments are unfortunately usually necessary. Though, you are right in that linking with mingw or on linux, you do not specify the lib name with extension -> pq.lib, but rather you specify lib[libname] -> libpq.

Subject: Re: SQL_ProgreSQL example building problems
Posted by mirek on Thu, 28 Aug 2008 06:58:49 GMT
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captainc wrote on Mon, 25 August 2008 23:02There are similar issues with other libraries as well; such as openssl and some other plugins. Binaries are installed in different directory structures than self-builds and self-compiled build methods can create different library names. These slight adjustments are unfortunately usually necessary. Though, you are right in that linking with mingw or on linux, you do not specify the lib name with extension -> pq.lib, but rather you specify lib[libname] -> libpq.

Well, I am thinking that maybe, in fact, we could ship some of them with Win32 release (AFAIK, both pg or ssl are BSD).

Mirek

Subject: Re: SQL_ProgreSQL example building problems
Posted by captainc on Thu, 28 Aug 2008 07:42:37 GMT
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Quote:Well, I am thinking that maybe, in fact, we could ship some of them with Win32 release (AFAIK, both pg or ssl are BSD).
I think it's a good idea. Maybe provide a second download package with all the compiled libs included. Then, if someone wants to update their libs, they can just replace the ones already included in the package.