Subject: The makefile of an export NOGTK project dropped an option -lpng
Posted by sevenjay on Mon, 01 Nov 2010 11:02:34 GMT
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The makefile dropped an option -lpng when theide exports a project with flag NOGTK.
(Build->Output mode->Export project)
When you make it will get lots of errors like "undefined reference to png_create_read_struct".

I Solve it by add an option -lpng in the Makefile.

I hope this is helpful.

Subject: Re: The makefile of an export NOGTK project dropped an option -lpng
Posted by dolik.rce on Mon, 01 Nov 2010 23:41:24 GMT
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Hi Sevenjay,

Thanks for spotting this, it should be fixed now. It was caused by comparing unix style and windows style path, such a simple detail as \ vs. / makes a difference If M$ would follow the same conventions as the rest of us, none of this would happen

Funny thing is, that it didn't make any trouble in normal mode (without NOGTK), as libpng is pulled in by gtk. I guess that is one of the reasons nobody noticed that so far (the scarce usage of exported makefiles being the other reason).

Best regards,
Honza

Subject: Re: The makefile of an export NOGTK project dropped an option -lpng
Posted by sevenjay on Tue, 02 Nov 2010 04:17:07 GMT
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Thank you.

I am sorry that I didn't mention it was happened on Ubuntu 10.04.

Maybe something on my environment goes wrong?

the attachment is the makefile.

To make it gets errors like below:
_out/plugin/png/GCC-Gcc-Gui-Linux-Nogtk-Posix-Shared/png.a(pngupp.o): In function
`Upp::PNGRaster::Init()':
pngupp.cpp:(.text._ZN3Upp9PNGRaster4InitEv+0x2d): undefined reference to

`png_create_read_struct'
pngupp.cpp:(.text._ZN3Upp9PNGRaster4InitEv+0x64): undefined reference to
`png_create_info_struct'
To solve it just insert this in the 134 line:
  -lpng \
I check it does have included the package png.

my gcc is (Ubuntu 4.4.3-4ubuntu5) 4.4.3.

File Attachments

1) Makefile, downloaded 287 times

Subject: Re: The makefile of an export NOGTK project dropped an option -lpng
Posted by dolik.rce on Tue, 02 Nov 2010 06:50:50 GMT
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Oups, looks like I wasn't clear enough... What I meant was that I tracked down the bug and committed a fix Just update your theide to 2830 or higher.

Honza

Subject: Re: The makefile of an export NOGTK project dropped an option -lpng
Posted by cbpporter on Tue, 02 Nov 2010 11:02:14 GMT
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Question: why does linking with plugin/png not solve this problem? Why are we still relying on external .so?

Subject: Re: The makefile of an export NOGTK project dropped an option -lpng
Posted by dolik.rce on Tue, 02 Nov 2010 13:07:10 GMT
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cbpporter wrote on Tue, 02 November 2010 12:02Question: why does linking with plugin/png not solve this problem? Why are we still relying on external .so?
Answer: plugin/png uses the libpng sources (plugin/png/lib/*) on win32, but on other systems, the native libpng.so is used (and only part of the plugin/png code is compiled, namely the U++ encapsulation)

I can only guess the reasons for this, but I agree with it. Libpng is available in default installation of most, if not all, Linux distributions, so there should be no problem with that.

Honza

Subject: Re: The makefile of an export NOGTK project dropped an option -lpng
Posted by sevenjay on Wed, 03 Nov 2010 16:47:54 GMT
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Those are a good question and a good answer.
I understand now. Thank you both.