Subject: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by chickenk on Sat, 08 Dec 2007 20:55:37 GMT
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Hi everyone,

I'm stuck on a quite strange problem. I'm not sure where exactly to check and so far I've not understood why it happens.

When I try to build theide (current svn trunk), I get the following error:

/usr/lib/gcc/i686-pc-linux-gnu/4.1.2/../../../../i686-pc-linux-gnu/bin/ld: cannot find -lgtk-x11-2.0
To anticipate some questions, I have gtk version 2.12.1-r2 compiled from sources and installed (using emerge). Standalone gtk applications compile fine, I only get this problem under theide. libgtk-x11-2.0.* files and symbolic links are present in
/usr/lib.

/usr/lib is of course present in the library path configuration in theide.

I use theide precompiled from 2007.1 distribution

GCC is version 4.1.2.

Anyone has a clue how to make gcc happy about gtk library finding?

Thank you in advance.
Lionel

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by waxblood on Sun, 09 Dec 2007 12:34:30 GMT
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Don't know the best solution to your problem, but a quick fix could be simply getting rid of gtk libraries:

-Select project->Main package configuration
-Insert and select a line with GUI NOGTK inside it.
-compile, now should work

David

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by mr_ped on Sun, 09 Dec 2007 18:08:27 GMT
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Verbose mode ON
Copy and analyze the linking command of TheIDE.

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by chickenk on Mon, 10 Dec 2007 18:40:51 GMT
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mr_ped wrote on Sun, 09 December 2007 19:08Verbose mode ON
Copy and analyze the linking command of TheIDE.

Already done. The command-line is quite large so I'm not sure I should post it, if you want to have a look I will. Here is a summary:

c++ -static -o "/home/lionel/upp/out/GCC.Gui/ide" -Wl,-s L"/usr/lib" -L"/usr/X11R6/lib" -Wl,-O,2 <series_of_files.o> -Wl,--start-group <series_of_files.a> -lgtk-x11-2.0 -lgdk-x11-2.0 -latk-1.0 -lgdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfontconfig -lXext -lXrender -lXinerama -lXi -lXrandr -lXcursor -lXfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lglib-2.0 -lX11 -ldl -lXft -lfontconfig -lXrender -lfreetype -lexpat <series_of_files.a> -lpng "/home/lionel/upp/out/plugin/png/GCC.Gui/png.a" -Wl,--end-group
/usr/lib/gcc/i686-pc-linux-gnu/4.1.2/../../../../i686-pc-linux-gnu/bin/ld: cannot find -lgtk-x11-2.0

Frankly, everything seems to be ok... Where to search next? I suspect the -static to be the cause, but I'm not sure.

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by chickenk on Mon, 10 Dec 2007 18:50:00 GMT
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waxblood wrote on Sun, 09 December 2007 13:34Don't know the best solution to your problem, but a quick fix could be simply getting rid of gtk libraries:

-Select project->Main package configuration
-Insert and select a line with GUI NOGTK inside it.
-compile, now should work

David

Hi David, thanks for the tip. I already gave it a try, but I get some undefined references, the first being GetDrapAndDropSource().

Can we get ride of drag-and-drop in theide package ?

Lionel

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by waxblood on Mon, 10 Dec 2007 19:59:42 GMT
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AFAIK you can't drop DnD support, but this seems to be the old X11DnD case mismatch problem, see http://www.ultimatepp.org/forum/index.php?t=msg&goto=12146&&srch=svn+mismatch#msg_12146

David

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by chickenk on Mon, 10 Dec 2007 20:12:20 GMT
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Thanks for this one, I should have searched more. So... after getting rid of this, I... still have undefined references .
/usr/lib/libX11.a(ConnDis.o): In function `_X11TransConnectDisplay':
(.text+0xaac): undefined reference to `XauDisposeAuth'
/usr/lib/libX11.a(ConnDis.o): In function `_X11TransConnectDisplay':
(.text+0xe8c): undefined reference to `XauGetBestAuthByAddr'
/usr/lib/libX11.a(ConnDis.o): In function `_X11TransConnectDisplay':
(.text+0x1143): undefined reference to `XdmcpWrap'
/usr/lib/libfontconfig.a(fcxml.o): In function `FcConfigMessage':
(.text+0x5d): undefined reference to `xmlSAX2GetLineNumber'
/usr/lib/libfontconfig.a(fcxml.o): In function `FcConfigMessage':
(.text+0xe5): undefined reference to `xmlSAX2GetLineNumber'
/usr/lib/libfontconfig.a(fcxml.o): In function `FcConfigParseAndLoad':
(.text+0x2a9a): undefined reference to `xmlCreatePushParserCtxt'
/usr/lib/libfontconfig.a(fcxml.o): In function `FcConfigParseAndLoad':
(.text+0x2b1a): undefined reference to `xmlParseChunk'
/usr/lib/libfontconfig.a(fcxml.o): In function `FcConfigParseAndLoad':
(.text+0x2b45): undefined reference to `xmlFreeParserCtxt'
/usr/lib/libfontconfig.a(fcxml.o): In function `FcConfigParseAndLoad':
(.text+0x2e80): undefined reference to `xmlCtxtGetLastError'

There were errors. (0:03.29)

I'll try to have a look by myself when I have more time. If someone has a good idea don't hesitate!

Thanks everyone.

Lionel

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by mr_ped on Mon, 10 Dec 2007 20:58:12 GMT
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chickenk wrote on Mon, 10 December 2007 19:40
Already done. The command-line is quite large so I'm not sure I should post it, if you want to have a look I will. Here is a summary:

c++ -static -o "/home/lionel/upp/out/GCC.Gui/ide" -Wl,-s L"/usr/lib" ...

looks to me like the -L"/usr/lib" is missing the minus sign.

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by phirox on Sun, 30 Dec 2007 01:38:23 GMT
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I had the same problem, what helped for me was to compile it non-static. So remove the '-static' in the makefile or change the settings in the building options of theide.

Subject: Re: "cannot find lgtk-x11-2.0" under gentoo linux
Posted by fithisux on Wed, 09 Apr 2008 20:10:41 GMT
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In 2008Beta2 changing to all shared and creating a makefile still has static instead of shared. the problem happens under FC8 x86. In 2007.1 on my WINXP/32bit laptop the problem does not appear.