Subject: First compilling under Linux; /usr/bin/ld: cannot find
Posted by Alexander_Ag on Mon, 18 Mar 2013 19:18:38 GMT
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Its first trying compile simple project under Linux, under Windows i have no problem with compiling and linking.
So project ask for some header files, I've added some lines to "SETUP" => "Build methods.." => "INCLUDE directories" :

/usr/include
/usr/include/freetype2
/usr/include/gtk-2.0
/usr/include/glib-2.0
/usr/lib/i386-linux-gnu/glib-2.0/include
/usr/include/cairo
/usr/include/pango-1.0
/usr/lib/i386-linux-gnu/gtk-2.0/include
/usr/include/gdk-pixbuf-2.0
/usr/include/atk-1.0

After that no questions about "someHeader.h", but I got next message:

/**/

----- RichText (GUI SSE2 GCC DEBUG DEBUG_MINIMAL BLITZ LINUX POSIX) (6 / 9)
----- Core (GUI SSE2 GCC DEBUG DEBUG_MINIMAL BLITZ LINUX POSIX) (7 / 9)
----- plugin/png (GUI SSE2 GCC DEBUG DEBUG_MINIMAL BLITZ LINUX POSIX) (8 / 9)
----- example (GUI SSE2 MAIN GCC DEBUG DEBUG_MINIMAL BLITZ LINUX POSIX) (9 / 9)
main.cpp
example: 1 file(s) built in (0:03.07), 3072 msecs / file, duration = 3077 msecs
Linking...
/usr/bin/ld: cannot find -latk-1.0
/usr/bin/ld: cannot find -lgdk_pixbuf-2.0
 /home/sas/.upp/_out/MyApps/Core/GCC.Debug.Debug_Minimal.Gui. Sse2/$blitz.o: In function `CheckDll__(char const*, char const* const*, Upp::Ve
 ctor<void*>&)':
$blitz.cpp:(.text+0x56a81): warning: Using 'dlopen' in statically linked applications requires at runtime the shared libraries from the gli
 bc version used for linking
collect2: ld returned 1 exit status

There were errors. (0:05.95)

/**/

I check that libraries and links :

apt-file search libatk-1.0
libatk1.0-0: /usr/lib/i386-linux-gnu/libatk-1.0.so.0
libatk1.0-0: /usr/lib/i386-linux-gnu/libatk-1.0.so.0.20409.1
libatk1.0-dbg: /usr/lib/debug/usr/lib/i386-linux-gnu/libatk-1.0.so.0.20409. 1
libatk1.0-dev: /usr/lib/i386-linux-gnu/libatk-1.0.so

ls -l /usr/lib/i386-linux-gnu/libatk-1.0*
lrwxrwxrwx 1 root root   23 Mar 28 2012 /usr/lib/i386-linux-gnu/libatk-1.0.so ->
libatk-1.0.so.0.20409.1
lrwxrwxrwx 1 root root   23 Sep 13 2012 /usr/lib/i386-linux-gnu/libatk-1.0.so.0 ->
libatk-1.0.so.0.20409.1
-rw-r--r-- 1 root root 124620 Mar 28 2012 /usr/lib/i386-linux-gnu/libatk-1.0.so.0.20409.1

apt-file search libgdk_pixbuf-2.0
libgdk-pixbuf2.0-0: /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0.so.0
libgdk-pixbuf2.0-0: /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0.so.0.2600.1
libgdk-pixbuf2.0-dev: /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0.so

ls -l /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0*
lrwxrwxrwx 1 root root   29 Apr 16 2012 /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0.so ->
libgdk_pixbuf-2.0.so.0.2600.1
lrwxrwxrwx 1 root root   29 Sep 13 2012 /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0.so.0 ->
libgdk_pixbuf-2.0.so.0.2600.1
-rw-r--r-- 1 root root 128964 Apr 16 2012 /usr/lib/i386-linux-gnu/libgdk_pixbuf-2.0.so.0.2600.1

All libs and links is OK
I add lines to "LIB directories" :
/usr/lib
/usr/lib/i386-linux-gnu

But got the same error ... any help

uname -a
Linux sas-Presario 3.2.0-23-generic #36-Ubuntu SMP Tue Apr 10 20:41:14 UTC 2012 i686 athlon
i386 GNU/Linux

Subject: Re: First compilling under Linux; /usr/bin/ld: cannot find
Posted by Alexander_Ag on Tue, 19 Mar 2013 08:35:28 GMT
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Solved! so simple --> USE SHARED LIBS as say compiler!

warning: Using 'dlopen' in statically linked applications requires at runtime the shared libraries from the glibc version used for linking

Thanks for everyone who has read

Subject: Re: First compilling under Linux; /usr/bin/ld: cannot find
Posted by Novo on Tue, 19 Mar 2013 17:36:36 GMT
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In case of "Use shared libs" you will not have any problems with dlopen. You will have them in "All static" configuration, which is hard to link on Linux any way. In case of "All shared" TheIDE will create a shared library instead of an executable. But executable in Linux is a shared library, and shared libraries are executables ...
