Subject: theide do not run under ubuntu 5.10
Posted by forlano on Sat, 20 May 2006 19:22:39 GMT
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I've removed my "old" fedora2 and installed the new Ubuntu 5.10. Then I downloaded u++ 605 but theide do not run (unzipped in /home/vega) . The message was
./theide: error while loading shared libraries: libstdc++.so.5: cannot open shared object file: No such file or directory

If I run locate libstdc++ I get

/usr/share/doc/gcc-4.0-base/C++/README.libstdc++-baseline
/usr/share/doc/gcc-4.0-base/C++/libstdc++_symbols.txt
/usr/share/doc/gcc-4.0-base/C++/changelog.libstdc++.gz
/usr/share/doc/libstdc++6
/usr/share/doc/libstdc++6/README.Debian
/usr/share/doc/libstdc++6/copyright
/usr/share/doc/libstdc++6/changelog.Debian.gz
/usr/share/doc/libstdc++6-4.0-dev
/usr/lib/libstdc++.so.6.0.5
/usr/lib/libstdc++.so.6
/usr/lib/gcc/i486-linux-gnu/4.0.2/64/libstdc++.so
/usr/lib/gcc/i486-linux-gnu/4.0.2/64/libstdc++.a
/usr/lib/gcc/i486-linux-gnu/4.0.2/libstdc++.a
/usr/lib/gcc/i486-linux-gnu/4.0.2/libstdc++.so
/windows/Dev-Cpp/lib/libstdc++.a
/windows/Dev-Cpp/lib/libstdc++.la
/var/lib/dpkg/info/libstdc++6.shlibs
/var/lib/dpkg/info/libstdc++6.list
/var/lib/dpkg/info/libstdc++6.postinst
/var/lib/dpkg/info/libstdc++6.postrm
/var/lib/dpkg/info/libstdc++6.md5sums
/var/lib/dpkg/info/libstdc++6-4.0-dev.preinst
/var/lib/dpkg/info/libstdc++6-4.0-dev.list

Then I tried to compile theide. In its directory I run "make" and I see:
root@ubuntu:/home/vega/upp-linux386-605/upp/uppsrc/ide# make
mkdir -p /home/cxl/upp/out/ide/GCC32-Gcc-Gui-Linux-Main-Shared/
mkdir -p /home/cxl/upp/out/ide/GCC32-Gcc-Gui-Linux-Main-Shared/
mkdir -p /home/cxl/upp/out/ide/Common/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/LayDes/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/IconDes/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/Builders/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/Debuggers/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/Browser/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/Topic/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/ide/VectorDes/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/CodeEditor/GCC32-Gcc-Gui-Linux-Shared/

mkdir -p /home/cxl/upp/out/Topic/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/CtrlLib/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/Web/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/bz2/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/HexView/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/Esc/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/Core/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/RichEdit/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/png/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/gif/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/Image/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/tif/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/jpg/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/Draw/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/z/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/coff/binobj/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/coff/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/plugin/ndisasm/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/CppBase/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/VectorDes/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/RichText/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/CtrlCore/GCC32-Gcc-Gui-Linux-Shared/
mkdir -p /home/cxl/upp/out/PdfDraw/GCC32-Gcc-Gui-Linux-Shared/
make: *** No rule to make target `/src/uppsrc/ide/SelectPkg.cpp', needed by `/home/cxl/upp/out/ide/GCC32-Gcc-Gui-Linux-Main-Shared/SelectPkg.o'. Stop.

What is it happening?... today it isn't my luchy day

Luigi

Subject: Re: theide do not run under ubuntu 5.10
Posted by unodgs on Sat, 20 May 2006 19:37:01 GMT
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forlano wrote on Sat, 20 May 2006 15:22I've removed my "old" fedora2 and installed the new Ubuntu 5.10. Then I downloaded u++ 605 but theide do not run (unzipped in /home/vega) . The message was
./theide: error while loading shared libraries: libstdc++.so.5: cannot open shared object file: No such file or directory

Try to make symbolic link to libstdc++/so which name is libstcc++.so.5

Subject: Re: theide do not run under ubuntu 5.10

Posted by forlano on Sat, 20 May 2006 20:12:00 GMT
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unodgs wrote on Sat, 20 May 2006 21:37
Try to make symbolic link to libstdc++/so which name is libstcc++.so.5

Thanks for the reply,
After (maybe I did a mistake)

ln -s libstdc++.so.6 libstdc++.so.5

I got

vega@ubuntu:~/upp-linux386-605$ ./theide
./theide: /usr/lib/libstdc++.so.5: version `GLIBCPP_3.2' not found (required by ./theide)
./theide: /usr/lib/libstdc++.so.5: version `CXXABI_1.2' not found (required by ./theide)

Any other idea?
Luigi

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Sat, 20 May 2006 21:13:52 GMT
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forlano wrote on Sat, 20 May 2006 16:12unodgs wrote on Sat, 20 May 2006 21:37
Try to make symbolic link to libstdc++/so which name is libstcc++.so.5

Thanks for the reply,
After (maybe I did a mistake)

ln -s libstdc++.so.6 libstdc++.so.5

I got

vega@ubuntu:~/upp-linux386-605$ ./theide
./theide: /usr/lib/libstdc++.so.5: version `GLIBCPP_3.2' not found (required by ./theide)
./theide: /usr/lib/libstdc++.so.5: version `CXXABI_1.2' not found (required by ./theide)

Any other idea?
Luigi

Well, ubuntu is what I am currently using for Linux development

Anyway, seems like you are using 64-bit version (unlike me). I guess that makes the difference...

Mirek

Subject: Re: theide do not run under ubuntu 5.10
Posted by forlano on Sat, 20 May 2006 21:36:11 GMT
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[quote title=luzr wrote on Sat, 20 May 2006 23:13]
Well, ubuntu is what I am currently using for Linux development
[/code]
I choose Ubuntu just for this reason , to be sinchronised with you.
Quote:
Anyway, seems like you are using 64-bit version (unlike me). I guess that makes the difference...

Mirek

... and how finished this 64 bit version on my PC? Are you sure about it? I remind to have downloaded the 32 bit version. Now i must find some command that can show which version (32/64 bit) I have.

Luigi

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Sun, 21 May 2006 05:56:03 GMT
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Actually, I might be wrong, but

/usr/lib/gcc/i486-linux-gnu/4.0.2/64/libstdc++.a

"64" made me think so...

Anyway, try to install GCC 3.4, I believe that will bring the so.5 library in...

Mirek

Subject: Re: theide do not run under ubuntu 5.10
Posted by guido on Sun, 21 May 2006 10:41:48 GMT
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No no, remove that symlink - they didn't increase the so-name for fun. Instead do:

apt-get install libstdc++5

At least that's the name of the package on Debian Sid.

To Mirek:
Better to link against static libstdc++ on linux I think.

Guido

Subject: Re: theide do not run under ubuntu 5.10
Posted by forlano on Sun, 21 May 2006 11:26:34 GMT
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guido wrote on Sun, 21 May 2006 12:41No no, remove that symlink - they didn't increase the so-name for fun. Instead do:

apt-get install libstdc++5

At least that's the name of the package on Debian Sid.

To Mirek:
Better to link against static libstdc++ on linux I think.

Guido

Thanks,

I've installed g++3.4 and perhaps libstdc++5 with synaptic (I do not remind what I did exactly because it didn't work at the first step). At the end theIDE worked. Then after the message "upp not found" I moved the content of the upp distribution under /usr/local/bin . So theIDE now is inside /usr/local/bin with ./upp.
I tried to compile the HelloWorld and theide starts to complain some thing about library and static. So I tried to turn the build method to "shared library" and it works.
I tried even the animated hello world and I have observed a beautiful animation that hypnotized me for a while.
Perhaps the problem were due to the default setting of ubuntu that do not met the requests of U++.

Luigi

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Sun, 21 May 2006 12:14:48 GMT
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guido wrote on Sun, 21 May 2006 06:41No no, remove that symlink - they didn't increase the so-name for fun. Instead do:

apt-get install libstdc++5

At least that's the name of the package on Debian Sid.

To Mirek:

Better to link against static libstdc++ on linux I think.

Guido

Well, if only that would be possible... xft is unfortunately shipped only as .so.

Moreover, it adds good 2MB of X11 static.

Frankly, I am quite puzzled that it did not work with ubuntu 5.10 - it did with 5.10 mine as well as with any recent distro... (sure, stdlibc++.so.5 makes the difference - but it tends to be present).

Mirek

Subject: Re: theide do not run under ubuntu 5.10
Posted by guido on Sun, 21 May 2006 16:40:14 GMT
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Sorry, don't know what you mean with your reference to xft and X11.
Wether linking to libstdc++.so or libstc++.a has no bearing on xft or any other X11 library, as all of them are plain C.

Guido

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Sun, 21 May 2006 16:49:22 GMT
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guido wrote on Sun, 21 May 2006 12:40Sorry, don't know what you mean with your reference to xft and X11.
Wether linking to libstdc++.so or libstc++.a has no bearing on xft or any other X11 library, as all of them are plain C.

Guido

Well, I am not quite sure whether I was not doing something bad, however last time I have tried, .so issue was "all or nothing" - either every external libraries had to be linked shared or static, mixing impossible...

Mirek

Subject: Re: theide do not run under ubuntu 5.10
Posted by guido on Sun, 21 May 2006 20:00:26 GMT

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luzr wrote on Sun, 21 May 2006 18:49guido wrote on Sun, 21 May 2006 12:40Sorry, don't know what you mean with your reference to xft and X11.
Wether linking to libstdc++.so or libstc++.a has no bearing on xft or any other X11 library, as all of them are plain C.

Guido

Well, I am not quite sure whether I was not doing something bad, however last time I have tried, .so issue was "all or nothing" - either every external libraries had to be linked shared or static, mixing impossible...

Mirek

That might be a problem or limitation of the upp build system.
Technically you can pretty much do any mix of shared and static libs thinkable.

Guido

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Sun, 21 May 2006 20:30:44 GMT
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guido wrote on Sun, 21 May 2006 16:00luzr wrote on Sun, 21 May 2006 18:49guido wrote on Sun, 21 May 2006 12:40Sorry, don't know what you mean with your reference to xft and X11.
Wether linking to libstdc++.so or libstc++.a has no bearing on xft or any other X11 library, as all of them are plain C.

Guido

Well, I am not quite sure whether I was not doing something bad, however last time I have tried, .so issue was "all or nothing" - either every external libraries had to be linked shared or static, mixing impossible...

Mirek

That might be a problem or limitation of the upp build system.
Technically you can pretty much do any mix of shared and static libs thinkable.

Guido

Well, maybe it is the time to check again (But if I remember well, at the time I have removed all limitations of upp build system in this area).

However, while I am not quite experienced in linux linking, I am a little bit afraid about what happens when you mix say glibc.a.2 malloc (e.g. in X11 lib) with glibc.so.3 malloc in Xft ?

Mirek

Subject: Re: theide do not run under ubuntu 5.10
Posted by guido on Sun, 21 May 2006 21:05:24 GMT
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[quote title=luzr wrote on Sun, 21 May 2006 22:30][quote

However, while I am not quite experienced in linux linking, I am a little bit afraid about what happens when you mix say glibc.a.2 malloc (e.g. in X11 lib) with glibc.so.3 malloc in Xft ?

Mirek
[/quote]

Not getting what your are getting at.
All I'm suggesting is for you to consider to link theide against a static libstdc++, so that upon "ldd theide" the fifth line below would disappear, while the rest remained the same:

libpthread.so.0 => /lib/tls/libpthread.so.0 (0xa7fcb000)
libdl.so.2 => /lib/tls/libdl.so.2 (0xa7fc7000)
libX11.so.6 => /usr/lib/libX11.so.6 (0xa7eff000)
libXft.so.2 => /usr/lib/libXft.so.2 (0xa7eec000)
libstdc++.so.5 => /usr/lib/libstdc++.so.5 (0xa7e32000)
libm.so.6 => /lib/tls/libm.so.6 (0xa7e0b000)
libgcc_s.so.1 => /lib/libgcc_s.so.1 (0xa7e00000)
libc.so.6 => /lib/tls/libc.so.6 (0xa7cc8000)
libfontconfig.so.1 => /usr/lib/libfontconfig.so.1 (0xa7c99000)
/lib/ld-linux.so.2 (0xa7fe8000)
libXau.so.6 => /usr/lib/libXau.so.6 (0xa7c96000)
libXdmcp.so.6 => /usr/lib/libXdmcp.so.6 (0xa7c91000)
libfreetype.so.6 => /usr/lib/libfreetype.so.6 (0xa7c23000)
libz.so.1 => /usr/lib/libz.so.1 (0xa7c0f000)
libXrender.so.1 => /usr/lib/libXrender.so.1 (0xa7c07000)
libexpat.so.1 => /usr/lib/libexpat.so.1 (0xa7be7000)

Why do you think that has anything to to with glibc?

Guido

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Sun, 21 May 2006 21:11:33 GMT
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guido wrote on Sun, 21 May 2006 17:05
Why do you think that has anything to to with glibc?
Guido

Because stdlibc++ has to use glibc (new -> malloc etc..). I am not sure what will happen if I link static stdlibc++ v.5 with shared glibc v.6.

Moreover, there even is no swictch in GCC to do so - you can link with either static or dynamic standard library - and that covers both stdlibc++ and glibc.

Disclaimer: I really do know only a little about these affairs...
Means, please come on and start explaining

Mirek

Subject: Re: theide do not run under ubuntu 5.10
Posted by guido on Mon, 22 May 2006 12:58:55 GMT
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luzr wrote on Sun, 21 May 2006 23:11guido wrote on Sun, 21 May 2006 17:05
Why do you think that has anything to to with glibc?
Guido

Because stdlibc++ has to use glibc (new -> malloc etc..). I am not sure what will happen if I link static stdlibc++ v.5 with shared glibc v.6.

Moreover, there even is no swictch in GCC to do so - you can link with either static or dynamic standard library - and that covers both stdlibc++ and glibc.

Disclaimer: I really do know only a little about these affairs...
Means, please come on and start explaining

Mirek

-Wl,-Bstatic -lstdc++ -> links against libstdc++.a
-Wl,-Bdynamic -lstdc++

This way you can switch between static and shared libs on a case by case basis. Note, that this linker option would be used for all libs that follow, so don't forget to switch back with -Wl,-Bdynamic

That glibc and libstdc++ are currently at soname 6 is incidental.
It doesn't imply any intrinsic relation. Mix and match at will!

Btw., the LSB 3.1 (Linux Standard Base), specifies libstdc++.so.6 for LSB compliant apps to link against.

Subject: Re: theide do not run under ubuntu 5.10
Posted by guido on Mon, 22 May 2006 13:12:21 GMT
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Please read this blog and the comments:
http://www.trilithium.com/johan/2005/06/static-libstdc/

Maybe what I wrote in my previous post doesn't work, as libstdc++ is treated special and g++ behaves differently from gcc.

Subject: Re: theide do not run under ubuntu 5.10
Posted by mirek on Mon, 22 May 2006 20:52:26 GMT
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guido wrote on Mon, 22 May 2006 08:58
Btw., the LSB 3.1 (Linux Standard Base), specifies libstdc++.so.6 for LSB compliant apps to link against.

Hm, let us hope will be simply able to build for LSB 3.1 soon....

Mirek