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Subject: New user frustration

Posted by [mdurham](#) on Thu, 23 Feb 2006 02:25:11 GMT

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Hi,

As the title says I'm a new user, about 2 hours old and I'm having a bit of bother linking.  
I'm running U++ on Ubuntu Linux Dapper.

Builder: GCC32

Compiler name: gcc

I've tried compiling "Hello Word" see extracted results below. I'm obviously missing a library or two but which ones?

I've installed all the libs that I 'think' might help by using Synaptic, but I find it a hit and miss affair.

Can anyone help me out with this problem please.

Thanks heaps, Mike

```
----- CtrlLib ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (1 / 9)
----- CtrlCore ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (2 / 9)
----- RichText ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (3 / 9)
----- Draw ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (4 / 9)
----- Core ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (5 / 9)
----- plugin\png ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (6 / 9)
----- Image ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (7 / 9)
----- plugin\z ( GUI GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (8 / 9)
----- HelloWorld ( GUI MAIN GCC32 DEBUG SHARED DEBUG_FULL BLITZ LINUX ) (9 / 9)
```

Linking...

```
/home/mike/upp/out/HelloWorld/GCC32.Debug_full.Gui.Main.Shar
ed/hello.o:(.gnu.linkonce.r._ZTI10HelloWorld[typeinfo for Hel
loWorld]+0x0): undefined reference to `vtable for __cxxabiv1::__si_class_type_info'
/home/mike/upp/out/HelloWorld/GCC32.Debug_full.Gui.Main.Shar
ed/hello.o:(.gnu.linkonce.r._ZTI21Callback1MethodActionI10He l
loWorldMS0_FvR3BarES2_E[typeinfo for Callback1MethodAction<HelloWorld, void
(HelloWorld::*)(Bar&), Bar&>]+0x0): undef
ined reference to `vtable for __cxxabiv1::__si_class_type_info'
.
<--cut-->
.
/home/mike/upp/uppsrc/CtrlLib/Ctrl.iml:1489: undefined reference to `__cxa_guard_release'
/home/mike/upp/uppsrc/CtrlLib/Ctrl.iml:1489: undefined reference to `__cxa_guard_abort'
/home/mike/upp/out/CtrlLib/GCC32.Debug_full.Gui.Shared/$blit z.o: In function
`CtrlImg::HelpCursor1()':/home/mike/upp/upps
rc/CtrlLib/Ctrl.iml:1263: undefined reference to `__cxa_guard_acquire'
```

```
.
<--cut-->
.
/home/mike/upp/out/Draw/GCC32.Debug_full.Gui.Shared/$blitz.o : In function `Draw::SinCos(int,
double&, double&)':/home/mik
e/upp/uppsrc/Draw/DrawText.cpp:21: undefined reference to `sin'
:/home/mike/upp/uppsrc/Draw/DrawText.cpp:22: undefined reference to `cos'
/home/mike/upp/out/Draw/GCC32.Debug_full.Gui.Shared/$blitz.o : In function
`FontInfo::Data::GetMetrics(int, FontInfo::Char
Metrics*)':/home/mike/upp/uppsrc/Draw/DrawTextXft.cpp:43: undefined reference to
`__cxa_guard_acquire'
.
<--cut-->
.
:/home/mike/upp/uppsrc/Core/Convert.cpp:361: undefined reference to `typeinfo for char'
:/home/mike/upp/uppsrc/Core/Convert.cpp:361: undefined reference to `__cxa_throw'
:/home/mike/upp/uppsrc/Core/Convert.cpp:368: undefined reference to
`__cxa_allocate_exception'
:/home/mike/upp/uppsrc/Core/Convert.cpp:368: undefined reference to `__cxa_free_exception'
:/home/mike/upp/uppsrc/Core/Convert.cpp:368: undefined reference to `std::terminate()'
:/home/mike/upp/uppsrc/Core/Convert.cpp:368: undefined reference to `__cxa_throw'
:/home/mike/upp/uppsrc/Core/Convert.cpp:368: undefined reference to `std::terminate()'
:/home/mike/upp/uppsrc/Core/Convert.cpp:374: undefined reference to
`__cxa_allocate_exception'
:/home/mike/upp/uppsrc/Core/Convert.cpp:374: undefined reference to `__cxa_free_exception'
:/home/mike/upp/uppsrc/Core/Convert.cpp:374: undefined reference to `std::terminate()'
:/home/mike/upp/uppsrc/Core/Convert.cpp:374: undefined reference to `__cxa_throw'
:/home/mike/upp/uppsrc/Core/Convert.cpp:374: undefined reference to `std::terminate()'

```

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Subject: Re: New user frustration  
Posted by [fudadmin](#) on Thu, 23 Feb 2006 08:06:02 GMT  
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As for new users (especially on Linux...) I would suggest to start with "Link mode": "All static" (in "Build"->"Output mode")

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Subject: Re: New user frustration  
Posted by [mdurham](#) on Thu, 23 Feb 2006 11:03:56 GMT  
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Thanks, I tried your suggestion of static linking but it's just the same.  
Lots of unresolved references.  
It must be that I'm missing a library or two. I just thought that someone might recognise the missing lables and maybe know which libs I'm missing.

Cheers, Mike

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Subject: Re: New user frustration  
Posted by [zsolt](#) on Thu, 23 Feb 2006 11:48:09 GMT  
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Your standard C++ library is not installed.

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Subject: Re: New user frustration  
Posted by [zsolt](#) on Thu, 23 Feb 2006 11:52:19 GMT  
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You have to install a package libstdc++6-dev or libstdc++5-3.3-dev or something similar, depending on your gcc version.

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Subject: Re: New user frustration  
Posted by [mdurham](#) on Thu, 23 Feb 2006 14:31:34 GMT  
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I do have libstdc++nn installed in /usr/lib, there are several of them, different versions of course. It 'should' be using gcc-4.0 to compile.

I'm at a loss!

Mike

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Subject: Re: New user frustration  
Posted by [mirek](#) on Thu, 23 Feb 2006 14:51:59 GMT  
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fudadmin wrote on Thu, 23 February 2006 03:06As for new users (especially on Linux...) I would suggest to start with "Link mode": "All static" (in "Build"->"Output mode")

Well, this is a good advice for Win32. For Linux it is better to use "Shared".

Mirek

Subject: Re: New user frustration  
Posted by [mirek](#) on Thu, 23 Feb 2006 14:56:49 GMT  
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Well, it looks like your TheIDE obviously runs - it is actually compiled in ubuntu using 3.4.x compiler installed via synaptics.

This means that there are all .so files needed for 3.4.x. Simple solution therefore would be to install 3.4.x compiler. Just do not forget to make it "c++" (not c++-3.4.5), alternatively you can change the compiler name in build methods.

Mirek

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Subject: Re: New user frustration  
Posted by [mdurham](#) on Thu, 23 Feb 2006 21:37:07 GMT  
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Mirek, I have the 3.4 compiler installed already.  
I don't understand what you mean by:  
'Just do not forget to make it "c++" (not c++-3.4.5)'  
What do I make 'c++'?  
Do I have to use the 3.4 compiler? Why?

Sorry for all the questions but I'd really like to use Ultimate++.

Mike

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Subject: Re: New user frustration  
Posted by [mirek](#) on Thu, 23 Feb 2006 22:46:14 GMT  
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mdurham wrote on Thu, 23 February 2006 16:37Mirek, I have the 3.4 compiler installed already.  
I don't understand what you mean by:  
'Just do not forget to make it "c++" (not c++-3.4.5)'  
What do I make 'c++'?

Last time I have installed GCC-3.4.x in ubuntu, it was installed as gcc-3.4.x, c++-3.4.x etc..., while c++, gcc etc were linked to GCC4.0, which if I remember well, is default.

At this moment I suspect that MAYBE the problem is that you have GCC4.0 installed, but not libraries (or perhaps you have 64-bit system and things mixed or something like that). TheIDE itself is compiled with 3.4.x and runs with its (32-bit) runtime library, which positively present on your system (otherwise it would not run).

Check what is the situation with your compilers and respective versions.

Quote:

Do I have to use the 3.4 compiler? Why?

You do not have to, I am using 4.0 on fedora, 3.4 on ubuntu etc... U++ requires anything past 3.2.x. However, I am trying to cut through the problem step by step

Quote:

Sorry for all the questions but I'd really like to use Ultimate++.

You are welcome.

Mirek

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Subject: Re: New user frustration

Posted by [nixnixnix](#) on Mon, 12 Mar 2007 22:59:11 GMT

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So this user's problem was never fixed eh? and now it appears that I have the same problem. Seems like everything that was suggested, this user had already done and that eventually they gave up. I appear to have the same problem but under windows.

Looks like a bug in the IDE? Is there a workaround? Want me to send you my workspace?

Nick

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Subject: Re: New user frustration

Posted by [mirek](#) on Fri, 16 Mar 2007 17:42:04 GMT

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nixnixnix wrote on Mon, 12 March 2007 18:59I appear to have the same problem but under windows.

That is very unlikely, as the nature of the problem was version mismatch of .so files.

Quote:

Looks like a bug in the IDE? Is there a workaround? Want me to send you my workspace?

Well, maybe you can start by describing the symptoms...

Mirek

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Subject: Re: New user frustration

Posted by [fallingdutch](#) on Sun, 01 Apr 2007 21:00:49 GMT

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the current release is again with .deb and .rpm files - just download and run a dpkg -i

Bas

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