Subject: theide does not link since r1728 with GCC 4.4
Posted by chickenk on Wed, 09 Dec 2009 11:54:39 GMT
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Hi Mirek,

the revision r1728 adds calls to the Csizeinit() static member function to X11App.cpp and Win32Wnd.cpp. Csizeinit() was previously used only in Ctrl.cpp but with these new calls, GCC 4.4.1 (on Ubuntu) refuses to link:

_out/CtrlCore/GCCMK-Gcc-Gui-Linux-Posix-Shared/CtrlCore.a(X11App.o): In function `Upp::Ctrl::InitX11(char const*)':
X11App.cpp:(.text._ZN3Upp4Ctrl7InitX11EPKc+0x1ca): undefined reference to `Upp::Ctrl::Csizeinit()'

I understand the need of the static keyword so that you don't need to instanciate a Ctrl object, so I am not sure what the solution is...

What do you think ?

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by koldo on Wed, 09 Dec 2009 12:36:19 GMT
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Hello chickenk

In an Ubuntu 8.04 with svn 1793 it compiles well.

Best regards
Koldo

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by chickenk on Wed, 09 Dec 2009 12:56:02 GMT
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This is an Ubuntu 9.10 with GCC 4.4.1:

$ gcc --version
gcc (Ubuntu 4.4.1-4ubuntu8) 4.4.1

and the upp sources were taken from
http://upp-mirror.googlecode.com/files/upp-x11-src-1793.tar. gz

I untarred and launched 'make', simply.

I did the same instructions under Fedora 11 and I get the same problem.

$ gcc --version
gcc (GCC) 4.4.1 20090725 (Red Hat 4.4.1-2)

BUT !!!

Using my already compiled theide to compile the 'ide' package on the Fedora works, with up to date sources at revision 1793. I'm gonna check the differences in the compiler options...

Lionel

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by chickenk on Wed, 09 Dec 2009 13:08:31 GMT
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Damn. I found the culprit.

When compiling with -O3, it links. When compiling with -O1 it does not...

Seems that -O3 activates some options regarding inline functions. Quite surprising that it happens only to me... are you all using -O3 ???

Lionel

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by koldo on Wed, 09 Dec 2009 14:18:15 GMT
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chickenk wrote on Wed, 09 December 2009 14:08Damn. I found the culprit.

When compiling with -O3, it links. When compiling with -O1 it does not...

Seems that -O3 activates some options regarding inline functions. Quite surprising that it happens only to me... are you all using -O3 ???

Lionel

Wow.

I am using an already compiled theIde.

Best regards
Koldo

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by nixnixnix on Thu, 04 Mar 2010 20:23:27 GMT
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Hi,

I use ubuntu and as there are no .deb installs anymore I am trying to create an installation of theIDe under a fresh install ubuntu 9.10 64bit plus g++. In the readme it says to just use make but this does not work (also domake does not work) and throws tons of errors. I have tried

make -O3 as implied in this thread but that doesn't work either. I use theIDE because I like to use IDEs and am not used to command line compiling and linking. Can anyone provide any clues to how to go about taking the latest tgz and building what I need to install theIDE please?

EDIT: ok I found another thread in which it says to install an older version of theIDE first and that this will then mean that all the things that make needs will be installed. It might be an idea to put this in the readme that ships with the source code.

EDIT: with 64 bit IDE installed it appears to build a lot of stuff. However it stops with

```
mkdir -p _out/plugin/png/GCCMK-Gcc-Gui-Linux-Posix-Shared/
c++ -c -x c++ -O3 -ffunction-sections -fdata-sections  -I./ -I/usr/include/freetype2
-I/usr/include/gtk-2.0 -I/usr/include/glib-2.0 -I/usr/lib/glib-2.0/include -I/usr/lib/gtk-2.0/include
-I/usr/include/cairo -I/usr/include/pango-1.0 -I/usr/include/atk-1.0 -I/usr/X11R6/include
-I/usr/X11R6/include/freetype2 -I/usr/X11R6/include/gtk-2.0 -I/usr/X11R6/include/glib-2.0
-I/usr/X11R6/lib/glib-2.0/include -I/usr/X11R6/lib/gtk-2.0/include -I/usr/X11R6/include/cairo
-I/usr/X11R6/include/pango-1.0 -I/usr/X11R6/include/atk-1.0 -DflagGUI -DflagGCC
-DflagSHARED -DflagLINUX -DflagPOSIX  CtrlLib/TrayIconX11.cpp -o
_out/CtrlLib/GCCMK-Gcc-Gui-Linux-Posix-Shared/TrayIconX11.o
CtrlLib/TrayIconX11.cpp:9:31: error: libnotify/notify.h: No such file or directory
```

scope

```
make[1]: *** [_out/CtrlLib/GCCMK-Gcc-Gui-Linux-Posix-Shared/TrayIconX11.o] Error 1
make[1]: Leaving directory `/home/nix/upp-x11-src-2171/uppsrc'
cp: omitting directory `uppsrc/ide.out'
make: *** [all] Error 1
```

Nick

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by andrei_natanael on Fri, 05 Mar 2010 07:27:41 GMT
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nixnixnix wrote on Thu, 04 March 2010 22:23I use ubuntu and as there are no .deb installs anymore I am trying to create an installation of theIDe under a fresh install ubuntu 9.10 64bit plus g++.

Hi Nick,
The deb packages have been moved to launchpad because is more accessible to update from there and keep your system updated without having to install upp manually.
Right now there are 2 ppa one for nightly and one for stable builds, still the nightly have last package built 9 days ago so it's not really updated because AFAIK Mirek and Jan are working to automate build process.
https://launchpad.net/~dolik-rce/+archive/upp-nightly
https://launchpad.net/~dolik-rce/+archive/upp

Andrei

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by nixnixnix on Sat, 06 Mar 2010 23:29:02 GMT
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Thanks Andrei,

I have installed the software source. Is there any way to know if the updates are working? When I start up theIDE I still see version 1713.

Nick

Subject: Re: theide does not link since r1728 with GCC 4.4
Posted by dolik.rce on Sun, 07 Mar 2010 13:38:47 GMT
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Hi Nick,
If you installed theide from PPA repository correctly, theide should say something like "2070~ppa1~karmic1". Please note that just adding the source is not enough, you also have to install the package: sudo apt-get install upp After this updates should work. The repository is still not updated nightly, not sure why, I think that Mirek is just too busy lately.

Best regards,
Honza

Subject: Re: theide does not link since r1728 with GCC 4.4

Posted by nixnixnix on Wed, 10 Mar 2010 00:01:15 GMT
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duh! thanks