
Subject: Link error on Linux

Posted by [Mindtraveller](#) on Tue, 29 Jan 2008 01:39:36 GMT

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Compiling examples with:

GUI NOGTK GCC FORCE_SPEED LINUX

first had link error, dl library wasn't found. After some googling in WWW and in this forum, removed linking this library in Draw package. Then I have link error reporting that freetype library isn't found. I searched available packages and installed everything containing freetype libs, but still no way to find it. After removing this library from list through Package organizer, I had numerous link errors where a number of libraries were not found: pthread, png, stdc++, ...

Exact original message was:

/usr/bin/ld: cannot find -lfreetype

collect2: ld returned 1 exit status

OS: Mandriva Linux 2007.1 Spring

U++: 2007.1

P.S. Removing NOGTK flak makes linking the same sorces without any problems. But I want to learn to be able to write non-GTK U++ stuff.

Subject: Re: Link error on Linux

Posted by [mirek](#) on Tue, 29 Jan 2008 12:56:28 GMT

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Quote:

----- UWord (GUI NOGTK MAIN GCC SHARED LINUX) (11 / 11)

UWord.cpp

UWord: 1 file(s) built in (0:01.68), 1681 msec / file, duration = 1778 msec, parallelization 0%

Linking...

/home/mirek/upp/out/GCC.Gui.Nogtk.Shared/UWord (2529408 B) linked in (0:00.72)

OK. (2:20.59)

If you have not found a culprit yet, please activate "Setup/Verbose" and send the console log here....

Mirek

Subject: Re: Link error on Linux

Posted by [Mindtraveller](#) on Thu, 31 Jan 2008 01:04:13 GMT

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Still the same error. Compiling theIDE with NOGTK flag. Got:

```
----- ide\Common ( GUI GCC LINUX ) (1 / 30)
cd /home/paul/upp/uppsrc/ide/Common
----- ide\LayDes ( GUI GCC LINUX ) (2 / 30)
cd /home/paul/upp/uppsrc/ide/LayDes
----- ide\IconDes ( GUI GCC LINUX ) (3 / 30)
cd /home/paul/upp/uppsrc/ide/IconDes
----- ide\Builders ( GUI GCC LINUX ) (4 / 30)
cd /home/paul/upp/uppsrc/ide/Builders
----- ide\Debuggers ( GUI GCC LINUX ) (5 / 30)
cd /home/paul/upp/uppsrc/ide/Debuggers
----- ide\Browser ( GUI GCC LINUX ) (6 / 30)
cd /home/paul/upp/uppsrc/ide/Browser
----- ide\QuickTabs ( GUI GCC LINUX ) (7 / 30)
cd /home/paul/upp/uppsrc/ide/QuickTabs
----- CodeEditor ( GUI GCC LINUX ) (8 / 30)
cd /home/paul/upp/uppsrc/CodeEditor
----- CtrlLib ( GUI GCC LINUX ) (9 / 30)
cd /home/paul/upp/uppsrc/CtrlLib
----- Web ( GUI GCC LINUX ) (10 / 30)
cd /home/paul/upp/uppsrc/Web
----- plugin\bz2 ( GUI GCC LINUX ) (11 / 30)
cd /home/paul/upp/uppsrc/plugin/bz2
----- HexView ( GUI GCC LINUX ) (12 / 30)
cd /home/paul/upp/uppsrc/HexView
----- art\BlueBar ( GUI GCC LINUX ) (13 / 30)
cd /home/paul/upp/uppsrc/art/BlueBar
----- Esc ( GUI GCC LINUX ) (14 / 30)
cd /home/paul/upp/uppsrc/Esc
----- Core ( GUI GCC LINUX ) (15 / 30)
cd /home/paul/upp/uppsrc/Core
----- RichEdit ( GUI GCC LINUX ) (16 / 30)
cd /home/paul/upp/uppsrc/RichEdit
----- IconDes ( GUI GCC LINUX ) (17 / 30)
cd /home/paul/upp/uppsrc/IconDes
----- plugin\gif ( GUI GCC LINUX ) (18 / 30)
cd /home/paul/upp/uppsrc/plugin/gif
----- plugin\jpg ( GUI GCC LINUX ) (19 / 30)
cd /home/paul/upp/uppsrc/plugin/jpg
----- Draw ( GUI GCC LINUX ) (20 / 30)
cd /home/paul/upp/uppsrc/Draw
----- coff\binobj ( GUI GCC LINUX ) (21 / 30)
cd /home/paul/upp/uppsrc/coff/binobj
----- coff ( GUI GCC LINUX ) (22 / 30)
cd /home/paul/upp/uppsrc/coff
----- plugin\ndisasm ( GUI GCC LINUX ) (23 / 30)
cd /home/paul/upp/uppsrc/plugin/ndisasm
```

```

----- CppBase ( GUI GCC LINUX ) (24 / 30)
cd /home/paul/upp/uppsrc/CppBase
----- PdfDraw ( GUI GCC LINUX ) (25 / 30)
cd /home/paul/upp/uppsrc/PdfDraw
----- CtrlCore ( GUI GCC LINUX ) (26 / 30)
cd /home/paul/upp/uppsrc/CtrlCore
----- RichText ( GUI GCC LINUX ) (27 / 30)
cd /home/paul/upp/uppsrc/RichText
----- plugin/bmp ( GUI GCC LINUX ) (28 / 30)
cd /home/paul/upp/uppsrc/plugin/bmp
----- plugin/png ( GUI GCC LINUX ) (29 / 30)
cd /home/paul/upp/uppsrc/plugin/png
----- ide ( GUI MAIN GCC LINUX ) (30 / 30)
cd /home/paul/upp/uppsrc/ide
Linking...
c++ -static -o "/home/paul/upp/out/GCC.Gui/ide" -Wl,-s -L"/usr/X11R6/lib" -Wl,-O,2
"/home/paul/upp/out/ide/G
CC.Gui.Main/SelectPkg.o" "/home/paul/upp/out/ide/GCC.Gui.Main/UppWspc.o"
"/home/paul/upp/out/ide/GCC.Gui.
Main/UppDlg.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Template.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Find
InFiles.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Console.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/ide.o" "/"
home/paul/upp/out/ide/GCC.Gui.Main/idefile.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/QuickTabs.o" "/home/pa
ul/upp/out/ide/GCC.Gui.Main/Bottom.o" "/home/paul/upp/out/ide/GCC.Gui.Main/t.o"
"/home/paul/upp/out/ide/G
CC.Gui.Main/Assist.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Virtuals.o"
"/home/paul/upp/out/ide/GCC.Gui.Ma
in/Thisbacks.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Goto.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Setup.o
" "/home/paul/upp/out/ide/GCC.Gui.Main/Custom.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/ide tool.o" "/home/p
aul/upp/out/ide/GCC.Gui.Main/Install.o" "/home/paul/upp/out/ide/GCC.Gui.Main/idebar.o"
"/home/paul/upp/ou
t/ide/GCC.Gui.Main/idewin.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Help.o"
"/home/paul/upp/out/ide/GCC.Gui
.Main/Util.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Macro.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Calc.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Methods.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/AutoSetup.o" "/home/
paul/upp/out/ide/GCC.Gui.Main/OutputMode.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Host.o"
"/home/paul/upp/
out/ide/GCC.Gui.Main/Build.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Debug.o"
"/home/paul/upp/out/ide/Brows
er/GCC.Gui/Topic1.o" "/home/paul/upp/out/CtrlLib/GCC.Gui/CtrlLib.o"
"/home/paul/upp/out/Web/GCC.Gui/Web_i
nit.o" "/home/paul/upp/out/RichEdit/GCC.Gui/RichEdit.o"

```

```

/home/paul/upp/out/plugin/gif/GCC.Gui/gif.o" "/h
ome/paul/upp/out/plugin/jpg/GCC.Gui/jpgreg.o"
/home/paul/upp/out/PdfDraw/GCC.Gui/PdfReport.o" "/home/pau
l/upp/out/CtrlCore/GCC.Gui/CtrlCore.o" "/home/paul/upp/out/RichText/GCC.Gui/RichImage.o"
/home/paul/upp/
out/plugin/bmp/GCC.Gui/BmpReg.o" "/home/paul/upp/out/plugin/png/GCC.Gui/pngreg.o"
-Wl,--start-group "/ho
me/paul/upp/out/ide/Common/GCC.Gui/Common.a"
/home/paul/upp/out/ide/LayDes/GCC.Gui/LayDes.a" "/home/paul
/upp/out/ide/IconDes/GCC.Gui/IconDes.a" "/home/paul/upp/out/ide/Builders/GCC.Gui/Builders.a"
/home/paul/
upp/out/ide/Debuggers/GCC.Gui/Debuggers.a"
/home/paul/upp/out/ide/Browser/GCC.Gui/Browser.a" "/home/paul
/upp/out/ide/QuickTabs/GCC.Gui/QuickTabs.a"
/home/paul/upp/out/CodeEditor/GCC.Gui/CodeEditor.a" "/home/p
aul/upp/out/CtrlLib/GCC.Gui/CtrlLib.a" "/home/paul/upp/out/Web/GCC.Gui/Web.a"
/home/paul/upp/out/plugin/
bz2/GCC.Gui/bz2.a" "/home/paul/upp/out/HexView/GCC.Gui/HexView.a"
/home/paul/upp/out/art/BlueBar/GCC.Gui
/BlueBar.a" "/home/paul/upp/out/Esc/GCC.Gui/Esc.a" -lpthread -ldl -lz
/home/paul/upp/out/Core/GCC.Gui/Co
re.a" "/home/paul/upp/out/RichEdit/GCC.Gui/RichEdit.a"
/home/paul/upp/out/IconDes/GCC.Gui/IconDes.a" "/h
ome/paul/upp/out/plugin/gif/GCC.Gui/gif.a" "/home/paul/upp/out/plugin/jpg/GCC.Gui/jpg.a"
-lgtk-x11-2.0 -l
gdk-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 -lobject-2.0 -lgmodule-2.0 -lglib-2.0 -lX11 -ldl

-lXft -lfontconfig -lXrender -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui/Draw.a"
/home/paul/upp/
out/coff/binobj/GCC.Gui/binobj.a" "/home/paul/upp/out/coff/GCC.Gui/coff.a"
/home/paul/upp/out/plugin/ndi
sasm/GCC.Gui/ndisasm.a" "/home/paul/upp/out/CppBase/GCC.Gui/CppBase.a"
/home/paul/upp/out/PdfDraw/GCC.Gu
i/PdfDraw.a" "/home/paul/upp/out/CtrlCore/GCC.Gui/CtrlCore.a"
/home/paul/upp/out/RichText/GCC.Gui/RichTe
xt.a" "/home/paul/upp/out/plugin/bmp/GCC.Gui/bmp.a" -lpng
/home/paul/upp/out/plugin/png/GCC.Gui/png.a" -
Wl,--end-group
/usr/bin/ld: cannot find -lpthread
collect2: ld returned 1 exit status
c++ -static -o "/home/paul/upp/out/GCC.Gui/ide" -Wl,-s -L"/usr/X11R6/lib" -Wl,-O,2
/home/paul/upp/out/ide/G
CC.Gui.Main/SelectPkg.o" "/home/paul/upp/out/ide/GCC.Gui.Main/UppWspc.o"
/home/paul/upp/out/ide/GCC.Gui.
Main/UppDlg.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Template.o"
/home/paul/upp/out/ide/GCC.Gui.Main/Find

```

```

InFiles.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Console.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/ide.o" "/"
home/paul/upp/out/ide/GCC.Gui.Main/idefile.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/QuickTabs.o" "/home/pa
ul/upp/out/ide/GCC.Gui.Main/Bottom.o" "/home/paul/upp/out/ide/GCC.Gui.Main/t.o"
"/home/paul/upp/out/ide/G
CC.Gui.Main/Assist.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Virtuals.o"
"/home/paul/upp/out/ide/GCC.Gui.Ma
in/Thisbacks.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Goto.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Setup.o
" "/home/paul/upp/out/ide/GCC.Gui.Main/Custom.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/ide tool.o" "/home/p
aul/upp/out/ide/GCC.Gui.Main/Install.o" "/home/paul/upp/out/ide/GCC.Gui.Main/idebar.o"
"/home/paul/upp/ou
t/ide/GCC.Gui.Main/ide win.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Help.o"
"/home/paul/upp/out/ide/GCC.Gui
.Main/Util.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Macro.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Calc.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Methods.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/AutoSetup.o" "/home/
paul/upp/out/ide/GCC.Gui.Main/OutputMode.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Host.o"
"/home/paul/upp/
out/ide/GCC.Gui.Main/Build.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Debug.o"
"/home/paul/upp/out/ide/Brows
er/GCC.Gui/TopicI.o" "/home/paul/upp/out/CtrlLib/GCC.Gui/CtrlLib.o"
"/home/paul/upp/out/Web/GCC.Gui/Web_i
nit.o" "/home/paul/upp/out/RichEdit/GCC.Gui/RichEdit.o"
"/home/paul/upp/out/plugin/gif/GCC.Gui/gif.o" "/h
ome/paul/upp/out/plugin/jpg/GCC.Gui/jpgreg.o"
"/home/paul/upp/out/PdfDraw/GCC.Gui/PdfReport.o" "/home/pau
l/upp/out/CtrlCore/GCC.Gui/CtrlCore.o" "/home/paul/upp/out/RichText/GCC.Gui/RichImage.o"
"/home/paul/upp/
out/plugin/bmp/GCC.Gui/BmpReg.o" "/home/paul/upp/out/plugin/png/GCC.Gui/pngreg.o"
-Wl,--start-group "/ho
me/paul/upp/out/ide/Common/GCC.Gui/Common.a"
"/home/paul/upp/out/ide/LayDes/GCC.Gui/LayDes.a" "/home/paul
/upp/out/ide/IconDes/GCC.Gui/IconDes.a" "/home/paul/upp/out/ide/Builders/GCC.Gui/Builders.a"
"/home/paul/
upp/out/ide/Debuggers/GCC.Gui/Debuggers.a"
"/home/paul/upp/out/ide/Browser/GCC.Gui/Browser.a" "/home/paul
/upp/out/ide/QuickTabs/GCC.Gui/QuickTabs.a"
"/home/paul/upp/out/CodeEditor/GCC.Gui/CodeEditor.a" "/home/p
aul/upp/out/CtrlLib/GCC.Gui/CtrlLib.a" "/home/paul/upp/out/Web/GCC.Gui/Web.a"
"/home/paul/upp/out/plugin/
bz2/GCC.Gui/bz2.a" "/home/paul/upp/out/HexView/GCC.Gui/HexView.a"
"/home/paul/upp/out/art/BlueBar/GCC.Gui
/BlueBar.a" "/home/paul/upp/out/Esc/GCC.Gui/Esc.a" -lpthread -ldl -lz
"/home/paul/upp/out/Core/GCC.Gui/Co

```

```

re.a" "/home/paul/upp/out/RichEdit/GCC.Gui/RichEdit.a"
"/home/paul/upp/out/IconDes/GCC.Gui/IconDes.a" "/h
ome/paul/upp/out/plugin/gif/GCC.Gui/gif.a" "/home/paul/upp/out/plugin/jpg/GCC.Gui/jpg.a"
-lgtk-x11-2.0 -l
gdk-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 "/home/paul/upp/out/Draw/GCC.Gui/Draw.a"
"/home/paul/upp/
out/coff/binobj/GCC.Gui/binobj.a" "/home/paul/upp/out/coff/GCC.Gui/coff.a"
"/home/paul/upp/out/plugin/ndi
sasm/GCC.Gui/ndisasm.a" "/home/paul/upp/out/CppBase/GCC.Gui/CppBase.a"
"/home/paul/upp/out/PdfDraw/GCC.Gu
i/PdfDraw.a" "/home/paul/upp/out/CtrlCore/GCC.Gui/CtrlCore.a"
"/home/paul/upp/out/RichText/GCC.Gui/RichTe
xt.a" "/home/paul/upp/out/plugin/bmp/GCC.Gui/bmp.a" -lpng
"/home/paul/upp/out/plugin/png/GCC.Gui/png.a" -
Wl,--end-group
Error executing c++ -static -o "/home/paul/upp/out/GCC.Gui/ide" -Wl,-s -L"/usr/X11R6/lib" -Wl,-O,2
"/home/pa
ul/upp/out/ide/GCC.Gui.Main/SelectPkg.o" "/home/paul/upp/out/ide/GCC.Gui.Main/UppWspc.o"
"/home/paul/upp/
out/ide/GCC.Gui.Main/UppDlg.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Template.o"
"/home/paul/upp/out/ide/G
CC.Gui.Main/FindInFiles.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Console.o"
"/home/paul/upp/out/ide/GCC.Gu
i.Main/ide.o" "/home/paul/upp/out/ide/GCC.Gui.Main/idefile.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/QuickT
abs.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Bottom.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/t.o" "/home/pa
ul/upp/out/ide/GCC.Gui.Main/Assist.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Virtuals.o"
"/home/paul/upp/ou
t/ide/GCC.Gui.Main/Thisbacks.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Goto.o"
"/home/paul/upp/out/ide/GCC.
Gui.Main/Setup.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Custom.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/ide
tool.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Install.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/idebar.o" "/
home/paul/upp/out/ide/GCC.Gui.Main/idewin.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Help.o"
"/home/paul/upp
/out/ide/GCC.Gui.Main/Util.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Macro.o"
"/home/paul/upp/out/ide/GCC.G
ui.Main/Calc.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Methods.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Auto
Setup.o" "/home/paul/upp/out/ide/GCC.Gui.Main/OutputMode.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Host.o"
"/home/paul/upp/out/ide/GCC.Gui.Main/Build.o" "/home/paul/upp/out/ide/GCC.Gui.Main/Debug.o"

```

```

/home/paul/u
pp/out/ide/Browser/GCC.Gui/TopicI.o" "/home/paul/upp/out/CtrlLib/GCC.Gui/CtrlLib.o"
/home/paul/upp/out/W
eb/GCC.Gui/Web_init.o" "/home/paul/upp/out/RichEdit/GCC.Gui/RichEdit.o"
/home/paul/upp/out/plugin/gif/GC
C.Gui/gif.o" "/home/paul/upp/out/plugin/jpg/GCC.Gui/jpgreg.o"
/home/paul/upp/out/PdfDraw/GCC.Gui/PdfRepo
rt.o" "/home/paul/upp/out/CtrlCore/GCC.Gui/CtrlCore.o"
/home/paul/upp/out/RichText/GCC.Gui/RichImage.o"
/home/paul/upp/out/plugin/bmp/GCC.Gui/BmpReg.o"
/home/paul/upp/out/plugin/png/GCC.Gui/pngreg.o" -Wl,--s
tart-group "/home/paul/upp/out/ide/Common/GCC.Gui/Common.a"
/home/paul/upp/out/ide/LayDes/GCC.Gui/LayDe
s.a" "/home/paul/upp/out/ide/IconDes/GCC.Gui/IconDes.a"
/home/paul/upp/out/ide/Builders/GCC.Gui/Builders
.a" "/home/paul/upp/out/ide/Debuggers/GCC.Gui/Debuggers.a"
/home/paul/upp/out/ide/Browser/GCC.Gui/Browse
r.a" "/home/paul/upp/out/ide/QuickTabs/GCC.Gui/QuickTabs.a"
/home/paul/upp/out/CodeEditor/GCC.Gui/CodeEd
itor.a" "/home/paul/upp/out/CtrlLib/GCC.Gui/CtrlLib.a" "/home/paul/upp/out/Web/GCC.Gui/Web.a"
/home/paul
/upp/out/plugin/bz2/GCC.Gui/bz2.a" "/home/paul/upp/out/HexView/GCC.Gui/HexView.a"
/home/paul/upp/out/art
/BlueBar/GCC.Gui/BlueBar.a" "/home/paul/upp/out/Esc/GCC.Gui/Esc.a" -lpthread -ldl -lz
/home/paul/upp/out
/Core/GCC.Gui/Core.a" "/home/paul/upp/out/RichEdit/GCC.Gui/RichEdit.a"
/home/paul/upp/out/IconDes/GCC.Gu
i/IconDes.a" "/home/paul/upp/out/plugin/gif/GCC.Gui/gif.a"
/home/paul/upp/out/plugin/jpg/GCC.Gui/jpg.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 -lobject-2.0 -lgmodule-2.0
-lglib
-2.0 -lX11 -ldl -lXft -lfontconfig -lXrender -lfreetype -lexpat
/home/paul/upp/out/Draw/GCC.Gui/Draw.a"
/home/paul/upp/out/coff/binobj/GCC.Gui/binobj.a" "/home/paul/upp/out/coff/GCC.Gui/coff.a"
/home/paul/up
p/out/plugin/ndisasm/GCC.Gui/ndisasm.a" "/home/paul/upp/out/CppBase/GCC.Gui/CppBase.a"
/home/paul/upp/ou
t/PdfDraw/GCC.Gui/PdfDraw.a" "/home/paul/upp/out/CtrlCore/GCC.Gui/CtrlCore.a"
/home/paul/upp/out/RichTex
t/GCC.Gui/RichText.a" "/home/paul/upp/out/plugin/bmp/GCC.Gui/bmp.a" -lpng
/home/paul/upp/out/plugin/png/
GCC.Gui/png.a" -Wl,--end-group
Exitcode: 1

```

There were errors. (0:06.91)

Subject: Re: Link error on Linux
Posted by [tojocky](#) on Thu, 05 Jun 2008 07:58:53 GMT
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I tried to build an simple gui application on ArchLinux x86-64, have following error:

Quote:----- Core (GUI GCC LINUX) (7 / 9)
----- plugin\png (GUI GCC LINUX) (8 / 9)
----- Button (GUI MAIN GCC LINUX) (9 / 9)
Linking...
/usr/bin/ld: cannot find -lgtk-x11-2.0
collect2: ld returned 1 exit status

There were errors. (0:00.18)

what type of package i do not installed?
Thank you!

Subject: Re: Link error on Linux
Posted by [mr_ped](#) on Thu, 05 Jun 2008 10:09:48 GMT
[View Forum Message](#) <> [Reply to Message](#)

tojocky wrote on Thu, 05 June 2008 09:58I tried to build an simple gui application on ArchLinux x86-64, have following error:

Quote:----- Core (GUI GCC LINUX) (7 / 9)
----- plugin\png (GUI GCC LINUX) (8 / 9)
----- Button (GUI MAIN GCC LINUX) (9 / 9)
Linking...
/usr/bin/ld: cannot find -lgtk-x11-2.0
collect2: ld returned 1 exit status

There were errors. (0:00.18)

what type of package i do not installed?
Thank you!

You are probably missing GTK. You may try NOGTK flag to build the U++ application without GTK, it may lead to different kind of problems, but it should work, so report new problems too.

Subject: Re: Link error on Linux
Posted by [tojocky](#) on Thu, 05 Jun 2008 10:20:08 GMT
[View Forum Message](#) <> [Reply to Message](#)

When i build without gtk have following message:
Quote:

----- ide\Common (NOGTK GUI GCC LINUX) (1 / 31)
----- ide\LayDes (NOGTK GUI GCC LINUX) (2 / 31)
----- ide\IconDes (NOGTK GUI GCC LINUX) (3 / 31)
----- ide\Builders (NOGTK GUI GCC LINUX) (4 / 31)
----- ide\Debuggers (NOGTK GUI GCC LINUX) (5 / 31)
----- ide\Browser (NOGTK GUI GCC LINUX) (6 / 31)
----- ide\QuickTabs (NOGTK GUI GCC LINUX) (7 / 31)
----- CodeEditor (NOGTK GUI GCC LINUX) (8 / 31)
----- CtrlLib (NOGTK GUI GCC LINUX) (9 / 31)
----- Web (GUI GCC LINUX) (10 / 31)
----- plugin\bz2 (GUI GCC LINUX) (11 / 31)
----- HexView (NOGTK GUI GCC LINUX) (12 / 31)
----- art\BlueBar (GUI GCC LINUX) (13 / 31)
----- plugin\astyle (GUI GCC LINUX) (14 / 31)
----- Esc (GUI GCC LINUX) (15 / 31)
----- Core (GUI GCC LINUX) (16 / 31)
----- RichEdit (NOGTK GUI GCC LINUX) (17 / 31)
----- IconDes (NOGTK GUI GCC LINUX) (18 / 31)
----- plugin\gif (NOGTK GUI GCC LINUX) (19 / 31)
----- plugin\jpg (NOGTK GUI GCC LINUX) (20 / 31)
----- Draw (NOGTK GUI GCC LINUX) (21 / 31)
----- coff\binobj (GUI GCC LINUX) (22 / 31)
----- coff (GUI GCC LINUX) (23 / 31)
----- plugin\ndisasm (GUI GCC LINUX) (24 / 31)
----- CppBase (GUI GCC LINUX) (25 / 31)
----- PdfDraw (NOGTK GUI GCC LINUX) (26 / 31)
----- CtrlCore (NOGTK GUI GCC LINUX) (27 / 31)
----- RichText (NOGTK GUI GCC LINUX) (28 / 31)
----- plugin\bmp (NOGTK GUI GCC LINUX) (29 / 31)
----- plugin\png (GUI GCC LINUX) (30 / 31)
----- ide (NOGTK GUI MAIN GCC LINUX) (31 / 31)
SelectPkg.cpp
UppWspc.cpp
UppDlg.cpp
Template.cpp
FindInFiles.cpp
Console.cpp
ide.cpp
idefile.cpp
QuickTabs.cpp
Bottom.cpp
t.cpp
Assist.cpp
Index.cpp
Virtuals.cpp
Thisbacks.cpp
Goto.cpp
Setup.cpp

Custom.cpp
 idetool.cpp
 Install.cpp
 idebar.cpp
 idewin.cpp
 Help.cpp
 Util.cpp
 Macro.cpp
 Calc.cpp
 FormatCode.cpp
 Methods.cpp
 AutoSetup.cpp
 OutputMode.cpp
 Host.cpp
 Build.cpp
 Debug.cpp
 Valgrind.cpp
 ide: 34 file(s) built in (1:00.95), 1792 msecs / file, duration = 61516 msecs, parallelization 100%
 Linking...
 /usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(CrGlCur.o): In function
 `open_library':
 CrGlCur.c:(.text+0x2a): warning: Using 'dlopen' in statically linked applications requires at runtime
 the shared libraries from the glibc version used for linking
 /usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(GetDflt.o): In function
 `GetHomeDir':
 GetDflt.c:(.text+0x98): warning: Using 'getpwnam_r' in statically linked applications requires at
 runtime the shared libraries from the glibc version used for linking
 GetDflt.c:(.text+0xe6): warning: Using 'getpwuid_r' in statically linked applications requires at
 runtime the shared libraries from the glibc version used for linking
 /usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xim_trans.o): In function
 `__XimXTransSocketOpen':
 xim_trans.c:(.text+0x43d): warning: Using 'getaddrinfo' in statically linked applications requires at
 runtime the shared libraries from the glibc version used for linking
 /home/user/upp-svn/out/Web/GCC.Gui/Web.a(socket.o): In function
 `Upp::Socket::Data::OpenClient(char const*, int, bool, unsigned int*, int, bool)':
 socket.cpp:(.text+0x27c5): warning: Using 'gethostbyname' in statically linked applications
 requires at runtime the shared libraries from the glibc version used for linking
 /usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xim_trans.o): In function
 `__XimXTransSocketINETConnect':
 xim_trans.c:(.text+0x1573): warning: Using 'getservbyname' in statically linked applications
 requires at runtime the shared libraries from the glibc version used for linking
 /usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function
 `wait_or_poll_for_event':
 xcb_io.c:(.text+0x393): undefined reference to `xcb_wait_for_event'
 /usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function

```

`process_responses':
xcb_io.c:(.text+0x494): undefined reference to `xcb_connection_has_error'
xcb_io.c:(.text+0x4f9): undefined reference to `xcb_xlib_unlock'
xcb_io.c:(.text+0x522): undefined reference to `xcb_xlib_lock'
xcb_io.c:(.text+0x5af): undefined reference to `xcb_poll_for_reply'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function `_XReply':
xcb_io.c:(.text+0x8ea): undefined reference to `xcb_wait_for_reply'
xcb_io.c:(.text+0x9ec): undefined reference to `xcb_xlib_unlock'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function
`_XAllocIDs':
xcb_io.c:(.text+0xbfc): undefined reference to `xcb_generate_id'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function
`_XIDHandler':
xcb_io.c:(.text+0xc45): undefined reference to `xcb_generate_id'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function `_XSend':
xcb_io.c:(.text+0xd03): undefined reference to `xcb_flush'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_io.o): In function
`wait_or_poll_for_event':
xcb_io.c:(.text+0x3d2): undefined reference to `xcb_poll_for_event'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_lock.o): In function
`_XPutXCBBuffer':
xcb_lock.c:(.text+0xcb): undefined reference to `xcb_get_request_sent'
xcb_lock.c:(.text+0x41f): undefined reference to `xcb_get_request_sent'
xcb_lock.c:(.text+0x446): undefined reference to `xcb_send_request'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_lock.o): In function
`_XGetXCBBuffer':
xcb_lock.c:(.text+0x5f5): undefined reference to `xcb_get_request_sent'
xcb_lock.c:(.text+0x607): undefined reference to `xcb_connection_has_error'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_lock.o): In function
`_XCBLUnlockDisplay':
xcb_lock.c:(.text+0x73c): undefined reference to `xcb_xlib_unlock'
xcb_lock.c:(.text+0x760): undefined reference to `xcb_get_request_sent'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_lock.o): In function
`_XCBLockDisplay':
xcb_lock.c:(.text+0x80c): undefined reference to `xcb_xlib_lock'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(CIDisplay.o): In function
`XCLOSEDisplay':
CIDisplay.c:(.text+0xc6): undefined reference to `xcb_disconnect'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(OpenDis.o): In function
`OutOfMemory':
OpenDis.c:(.text+0x445): undefined reference to `xcb_disconnect'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(OpenDis.o): In function
`XOpenDisplay':
OpenDis.c:(.text+0x874): undefined reference to `xcb_get_setup'
OpenDis.c:(.text+0xcda): undefined reference to `xcb_get_maximum_request_length'
/usr/lib/gcc/x86_64-unknown-linux-gnu/4.3.0/../../../../lib/ libX11.a(xcb_disp.o): In function
`_XConnectXCB':
xcb_disp.c:(.text+0xa2): undefined reference to `xcb_parse_display'

```

xcb_disp.c:(.text+0x15e): undefined reference to `xcb_connect_to_display_with_auth_info'
xcb_disp.c:(.text+0x17e): undefined reference to `xcb_get_file_descriptor'
xcb_disp.c:(.text+0x1ab): undefined reference to `xcb_generate_id'
xcb_disp.c:(.text+0x1b9): undefined reference to `xcb_connection_has_error'
xcb_disp.c:(.text+0x1d6): undefined reference to `xcb_connect'
collect2: ld returned 1 exit status

There were errors. (1:04.51)

The gtk is installed on my machine... maybe is not configured build methods?

Subject: Re: Link error on Linux
Posted by [Novo](#) on Thu, 05 Jun 2008 14:56:26 GMT
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tojocky wrote on Thu, 05 June 2008 06:20The gtk is installed on my machine... maybe is not configured build methods?

You are building static configuration. That is the problem. Try to switch to a DLL-based configuration.

- 1) Setup->Build Methods->(Debug|Release) mode defaults : Shared libs.
- 2) Build-> Output Mode -> Use shared libs.

Both steps are necessary.

Subject: Re: Link error on Linux
Posted by [tojocky](#) on Thu, 05 Jun 2008 20:04:27 GMT
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Fine!

It was build without errors! the mistake was in " 2) Build-> Output Mode -> Use shared libs." in the release section, not debug!

Thank you!

Now we can prepare releases for archlinux X86_64!

Subject: Re: Link error on Linux
Posted by [Mindtraveller](#) on Thu, 05 Jun 2008 22:30:07 GMT

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I hope this "static" setting in build output by default will be corrected in the next TheIDE release

Subject: Re: Link error on Linux
Posted by [tojocky](#) on Thu, 05 Jun 2008 23:30:31 GMT

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The binary release of u++ I extract from ubuntu64 svn package.
How about to make relase for archlinux (x86_64) too? I can do this, but in the first i need some help for details!

Subject: Re: Link error on Linux
Posted by [unodgs](#) on Fri, 06 Jun 2008 13:06:16 GMT

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tojocky wrote on Thu, 05 June 2008 03:58I tried to build an simple gui application on ArchLinux x86-64, have following error:

```
Quote:----- Core ( GUI GCC LINUX ) (7 / 9)
----- plugin\png ( GUI GCC LINUX ) (8 / 9)
----- Button ( GUI MAIN GCC LINUX ) (9 / 9)
Linking...
/usr/bin/ld: cannot find -lgtk-x11-2.0
collect2: ld returned 1 exit status
```

There were errors. (0:00.18)

what type of package i do not installed?

Thank you!

This is because Archlinux gtk package do not contain static libraries. What you should do is to use ABS -> go to var/abs/extra/gtk2 and modify pkgbuild file. --with-static (if I remember well (try configure --help)) option is missing. Add it and run makepkg. After a long while package should be created with *.a files inside. You can install this package with packman or just copy all *.a files to usr/lib directory. I will make better description on upp wiki pages.

Subject: Re: Link error on Linux
Posted by [tojocky](#) on Fri, 06 Jun 2008 14:12:20 GMT

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Thanks a lot!

I will try do this instructions!
