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Subject: Ubuntu 8.04 linking problem

Posted by [Mindtraveller](#) on Tue, 27 May 2008 00:02:42 GMT

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OK, my second attempt to master U++ under Linux.

Installed upp2008 DEB package, after that - latest SVN DEB-package.

Compiling was OK (but much slower than Windows MSC8).

Linking fails with a big number of warnings and errors on DEBUG and RELEASE with any linkage type (STATIC, SHARED or ALL SHARED).

Here is an example of verbose output of linking problems:

```
----- CtrlLib ( GUI MT GCC LINUX ) (1 / 9)
cd /home/paul/upp/uppsrc/CtrlLib
----- CtrlCore ( GUI MT GCC LINUX ) (2 / 9)
cd /home/paul/upp/uppsrc/CtrlCore
----- RichText ( GUI MT GCC LINUX ) (3 / 9)
cd /home/paul/upp/uppsrc/RichText
----- PdfDraw ( GUI MT GCC LINUX ) (4 / 9)
cd /home/paul/upp/uppsrc/PdfDraw
----- Draw ( GUI MT GCC LINUX ) (5 / 9)
cd /home/paul/upp/uppsrc/Draw
----- plugin\ bmp ( GUI MT GCC LINUX ) (6 / 9)
cd /home/paul/upp/uppsrc/plugin/bmp
----- Core ( GUI MT GCC LINUX ) (7 / 9)
cd /home/paul/upp/uppsrc/Core
----- plugin\ png ( GUI MT GCC LINUX ) (8 / 9)
cd /home/paul/upp/uppsrc/plugin/png
----- HelloWorld ( GUI MT MAIN GCC LINUX ) (9 / 9)
cd /home/paul/upp/examples/HelloWorld
Linking...
g++-4.1 -static -o "/home/paul/upp/out/GCC.Gui.Mt/HelloWorld" -WI,-s -L"/usr/X11R6/lib"
-L"/usr/lib" -WI,-O,2
        "/home/paul/upp/out/HelloWorld/GCC.Gui.Main.Mt/hello.o"
"/home/paul/upp/out/CtrlLib/GCC.Gui.Mt/CtrlLib.
        o" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.o"
"/home/paul/upp/out/RichText/GCC.Gui.Mt/RichImage.
        o" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfReport.o"
"/home/paul/upp/out/plugin/bmp/GCC.Gui.Mt/BmpReg.o
        " "/home/paul/upp/out/plugin/png/GCC.Gui.Mt/pngreg.o" -WI,--start-group
"/home/paul/upp/out/CtrlLib/GCC.
        Gui.Mt/CtrlLib.a" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.a"
"/home/paul/upp/out/RichText/GCC.Gu
        i.Mt/RichText.a" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfDraw.a" -lgtk-x11-2.0
-l gdk-x11-2.0 -latk-1.0
-l gdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfontconfig -lXext -lXrender -lXinerama -lXi -lXrandr
-lXcursor -l
Xfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lplib-2.0 -lX11 -lidl -lXft -lfontconfig -lX
render -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui.Mt/Draw.a"
```

```
"/home/paul/upp/out/plugin/bmp/GCC.  
Gui.Mt/bmp.a" -lpthread -ldl -lz "/home/paul/upp/out/Core/GCC.Gui.Mt/Core.a" -lpng  
"/home/paul/upp/out/pl  
ugin/png/GCC.Gui.Mt/png.a" -Wl,--end-group  
/usr/lib/libX11.a(CrGICur.o): In function `open_library':  
.text+0x3b): warning: Using 'dlopen' in statically linked applications requires at runtime the shared  
librar  
ies from the glibc version used for linking  
/usr/lib/libglib-2.0.a(gutils.o): In function `g_get_any_init_do':  
.text+0x146e): warning: Using 'getpwuid' in statically linked applications requires at runtime the  
shared li  
braries from the glibc version used for linking  
/usr/lib/libglib-2.0.a(gutils.o): In function `g_get_any_init_do':  
.text+0x1461): warning: Using 'setpwent' in statically linked applications requires at runtime the  
shared li  
braries from the glibc version used for linking  
/usr/lib/libglib-2.0.a(gutils.o): In function `g_get_any_init_do':  
.text+0x1476): warning: Using 'endpwent' in statically linked applications requires at runtime the  
shared li  
braries from the glibc version used for linking  
/usr/lib/libX11.a(GetDflt.o): In function `GetHomeDir':  
.text+0xa9): warning: Using 'getpwnam_r' in statically linked applications requires at runtime the  
shared li  
braries from the glibc version used for linking  
/usr/lib/libX11.a(GetDflt.o): In function `GetHomeDir':  
.text+0x104): warning: Using 'getpwuid_r' in statically linked applications requires at runtime the  
shared I  
ibraries from the glibc version used for linking  
/usr/lib/libX11.a(xim_trans.o): In function `__XimXTransSocketOpen':  
.text+0x6c0): warning: Using 'getaddrinfo' in statically linked applications requires at runtime the  
shared  
libraries from the glibc version used for linking  
/usr/lib/libX11.a(xim_trans.o): In function `__XimXTransSocketUNIXConnect':  
.text+0xd86): warning: Using 'gethostbyname' in statically linked applications requires at runtime  
the share  
d libraries from the glibc version used for linking  
/usr/lib/libX11.a(xim_trans.o): In function `__XimXTransSocketINETConnect':  
.text+0x191d): warning: Using 'getservbyname' in statically linked applications requires at runtime  
the shar  
ed libraries from the glibc version used for linking  
/usr/lib/libgdk-x11-2.0.a(gdkdisplay-x11.o): In function `gdk_display_open':  
.text+0xfc): undefined reference to `XCompositeQueryExtension'  
/usr/lib/libgdk-x11-2.0.a(gdkdisplay-x11.o): In function `gdk_display_open':  
.text+0xff4): undefined reference to `XDamageQueryExtension'  
/usr/lib/libgdk-x11-2.0.a(gdkevents-x11.o): In function `gdk_event_translate':  
.text+0x2e3b): undefined reference to `XDamageSubtract'  
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function  
`_gdk_windowing_window_set_composited':
```

(.text+0xab): undefined reference to `XCompositeRedirectWindow'  
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function  
`\_gdk\_windowing\_window\_set\_composed':  
(.text+0xbff): undefined reference to `XDamageCreate'  
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function  
`\_gdk\_windowing\_window\_set\_composed':  
(.text+0xe3): undefined reference to `XCompositeUnredirectWindow'  
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function  
`\_gdk\_windowing\_window\_set\_composed':  
(.text+0xf2): undefined reference to `XDamageDestroy'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x3c4): undefined reference to `jpeg\_std\_error'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x406): undefined reference to `jpeg\_CreateCompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x499): undefined reference to `jpeg\_set\_defaults'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x4b3): undefined reference to `jpeg\_set\_quality'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x4c3): undefined reference to `jpeg\_start\_compress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x551): undefined reference to `jpeg\_write\_scanlines'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x579): undefined reference to `jpeg\_finish\_compress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x581): undefined reference to `jpeg\_destroy\_compress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x5b2): undefined reference to `jpeg\_destroy\_compress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `real\_save\_jpeg':  
(.text+0x64c): undefined reference to `jpeg\_stdio\_dest'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_lines':  
(.text+0xea0): undefined reference to `jpeg\_read\_scanlines'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x11ab): undefined reference to `jpeg\_start\_output'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x11ed): undefined reference to `jpeg\_finish\_output'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x1206): undefined reference to `jpeg\_input\_complete'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x1215): undefined reference to `jpeg\_input\_complete'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x126f): undefined reference to `jpeg\_save\_markers'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x1282): undefined reference to `jpeg\_read\_header'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x12fc): undefined reference to `jpeg\_calc\_output\_dimensions'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x1338): undefined reference to `jpeg\_calc\_output\_dimensions'

/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load\_increment':  
(.text+0x13d5): undefined reference to `jpeg\_start\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_stop\_load':  
(.text+0x1555): undefined reference to `jpeg\_destroy\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_stop\_load':  
(.text+0x158c): undefined reference to `jpeg\_finish\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x15fd): undefined reference to `jpeg\_std\_error'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x165c): undefined reference to `jpeg\_CreateDecompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x16b6): undefined reference to `jpeg\_resync\_to\_restart'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x16ee): undefined reference to `jpeg\_save\_markers'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x16fe): undefined reference to `jpeg\_read\_header'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x170f): undefined reference to `jpeg\_start\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x17cd): undefined reference to `jpeg\_read\_scanlines'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x181c): undefined reference to `jpeg\_destroy\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x1862): undefined reference to `jpeg\_finish\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x186a): undefined reference to `jpeg\_destroy\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_load':  
(.text+0x1946): undefined reference to `jpeg\_destroy\_decompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_begin\_load':  
(.text+0x1a16): undefined reference to `jpeg\_CreateDecompress'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_begin\_load':  
(.text+0x1a53): undefined reference to `jpeg\_std\_error'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-jpeg.o): In function `gdk\_pixbuf\_jpeg\_image\_begin\_load':  
(.text+0x1a93): undefined reference to `jpeg\_resync\_to\_restart'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_pop\_handlers':  
(.text+0x1f4): undefined reference to `TIFFSetErrorHandler'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_pop\_handlers':  
(.text+0x201): undefined reference to `TIFFSetWarningHandler'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_push\_handlers':  
(.text+0x244): undefined reference to `TIFFSetErrorHandler'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_push\_handlers':  
(.text+0x255): undefined reference to `TIFFSetWarningHandler'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_tiff\_image\_save\_to\_callback':  
(.text+0x3fa): undefined reference to `TIFFClientOpen'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_tiff\_image\_save\_to\_callback':  
(.text+0x4a2): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_tiff\_image\_save\_to\_callback':  
(.text+0x4b9): undefined reference to `TIFFSetField'

/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x4d1): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x4f1): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x508): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o):(.text+0x520): more undefined references to `TIFFSetField'  
follow  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x58d): undefined reference to `TIFFWriteScanline'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x5d5): undefined reference to `TIFFClose'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x5ff): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x616): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x635): undefined reference to `TIFFSetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_save\_to\_callback':  
.text+0x642): undefined reference to `TIFFClose'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_image\_parse':  
.text+0x98b): undefined reference to `TIFFGetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_image\_parse':  
.text+0x9f1): undefined reference to `TIFFGetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_image\_parse':  
.text+0xae6): undefined reference to `TIFFGetField'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `tiff\_image\_parse':  
.text+0xb59): undefined reference to `TIFFReadRGBAIImageOriented'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_stop\_load':  
.text+0xe15): undefined reference to `TIFFClientOpen'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_stop\_load':  
.text+0xe5d): undefined reference to `TIFFClose'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_load':  
.text+0x1026): undefined reference to `TIFFFdOpen'  
/usr/lib/libgdk\_pixbuf-2.0.a(io-tiff.o): In function `gdk\_pixbuf\_\_tiff\_image\_load':  
.text+0x1083): undefined reference to `TIFFClose'  
/usr/lib/libpangocairo-1.0.a(libpangocairo\_1\_0\_la-pangocairo-fcfontmap.o): In function  
'pango\_cairo\_fc\_font\_m  
ap\_get\_type':  
.text+0x7a): undefined reference to `pango\_fc\_font\_map\_get\_type'  
/usr/lib/libpangocairo-1.0.a(libpangocairo\_1\_0\_la-pangocairo-fcfontmap.o): In function  
'pango\_cairo\_fc\_font\_m  
ap\_set\_resolution':  
.text+0x16e): undefined reference to `pango\_fc\_font\_map\_cache\_clear'  
/usr/lib/libpangocairo-1.0.a(libpangocairo\_1\_0\_la-pangocairo-fcfont.o): In function  
'pango\_cairo\_fc\_font\_get\_  
type':  
.text+0x6a): undefined reference to `pango\_fc\_font\_get\_type'

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/usr/lib/libpangocairo-1.0.a(libpangocairo_1_0_la-pangocairo-fcfont.o): In function
`pango_cairo_fc_font_create_for_context':
(.text+0x345): undefined reference to `pango_fc_font_create_metrics_for_context'
/usr/lib/libpango-1.0.a(libpango_thai_lang_la-thai-lang.o): In function `thai_engine_break':
(.text+0x124): undefined reference to `th_uni2tis'
/usr/lib/libpango-1.0.a(libpango_thai_lang_la-thai-lang.o): In function `thai_engine_break':
(.text+0x173): undefined reference to `th_brk'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function `__cairo_image_surface_finish':
(.text+0x6f8): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_attributes':
(.text+0x760): undefined reference to `pixman_image_set_transform'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_attributes':
(.text+0x7c5): undefined reference to `pixman_image_set_filter'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_attributes':
(.text+0x822): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_attributes':
(.text+0x842): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_attributes':
(.text+0x85d): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_attributes':
(.text+0x878): undefined reference to `pixman_image_fill_rectangles'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_composite':
(.text+0x973): undefined reference to `pixman_image_fill_rectangles'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_composite':
(.text+0xaef): undefined reference to `pixman_image_composite'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_set_clip_region':
(.text+0xcb0): undefined reference to `pixman_image_set_clip_region'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function `__pixman_format_from_masks':
(.text+0xdbb): undefined reference to `pixman_format_supported_destination'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_create_for_pixman_image':
(.text+0xeea): undefined reference to `pixman_image_get_data'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`__cairo_image_surface_create_for_pixman_image':
(.text+0xf16): undefined reference to `pixman_image_get_width'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
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'_cairo_image_surface_create_for_pixman_i
mage':
(.text+0xf24): undefined reference to `pixman_image_get_height'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_for_pixman_i
mage':
(.text+0xf32): undefined reference to `pixman_image_get_stride'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_for_pixman_i
mage':
(.text+0xf40): undefined reference to `pixman_image_get_depth'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_with_pixman_
format':
(.text+0x114b): undefined reference to `pixman_image_create_bits'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_with_pixman_
format':
(.text+0x117c): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
s':
(.text+0x1879): undefined reference to `pixman_image_create_bits'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
s':
(.text+0x18bf): undefined reference to `pixman_add_trapezoids'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
s':
(.text+0x193d): undefined reference to `pixman_image_composite'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
s':
(.text+0x195e): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
s':
(.text+0x19dd): undefined reference to `pixman_add_trapezoids'
/usr/lib/libcairo.a(libcairo_la-cairo-matrix.o): In function `_cairo_matrix_to_pixman_matrix':
(.text+0xbb1): undefined reference to `pixman_transform_point_3d'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_contains_rectangle':
(.text+0x34): undefined reference to `pixman_region_contains_rectangle'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_union_rect':
(.text+0x92): undefined reference to `pixman_region_union_rect'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_intersect':
(.text+0xcb): undefined reference to `pixman_region_intersect'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_subtract':
```

(.text+0x10b): undefined reference to `pixman\_region\_subtract'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_get\_extents':  
(.text+0x141): undefined reference to `pixman\_region\_extents'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_get\_boxes':  
(.text+0x197): undefined reference to `pixman\_region\_rectangles'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_copy':  
(.text+0x264): undefined reference to `pixman\_region\_copy'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_init\_boxes':  
(.text+0x339): undefined reference to `pixman\_region\_init\_rects'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_init\_rect':  
(.text+0x39b): undefined reference to `pixman\_region\_init\_rect'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_translate':  
(.text+0x45): undefined reference to `pixman\_region\_translate'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_not\_empty':  
(.text+0x55): undefined reference to `pixman\_region\_not\_empty'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_num\_boxes':  
(.text+0x245): undefined reference to `pixman\_region\_n\_rects'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_fini':  
(.text+0x285): undefined reference to `pixman\_region\_fini'  
/usr/lib/libcairo.a(libcairo\_la-cairo-region.o): In function `\_cairo\_region\_init':  
(.text+0x3b5): undefined reference to `pixman\_region\_init'  
/usr/lib/libcairo.a(libcairo\_la-cairo-scaled-font.o): In function `\_cairo\_scaled\_font\_show\_glyphs':  
(.text+0x17a7): undefined reference to `pixman\_image\_set\_component\_alpha'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1a6c): undefined reference to `pixman\_image\_create\_radial\_gradient'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1b0d): undefined reference to `pixman\_image\_unref'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1b37): undefined reference to `pixman\_image\_unref'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1dd5): undefined reference to `pixman\_image\_create\_linear\_gradient'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1e0c): undefined reference to `pixman\_image\_set\_filter'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1e2d): undefined reference to `pixman\_image\_set\_transform'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1e5d): undefined reference to `pixman\_image\_set\_repeat'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1ecb): undefined reference to `pixman\_image\_composite'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x1ed9): undefined reference to `pixman\_image\_unref'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x24b1): undefined reference to `pixman\_image\_unref'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x24dd): undefined reference to `pixman\_image\_set\_repeat'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':  
(.text+0x2509): undefined reference to `pixman\_image\_set\_repeat'  
/usr/lib/libcairo.a(libcairo\_la-cairo-pattern.o): In function `\_cairo\_pattern\_acquire\_surface':

(.text+0x2524): undefined reference to `pixman\_image\_set\_repeat'  
/usr/lib/libcairo.a(libcairo\_la-cairo-ft-font.o): In function `\_\_get\_bitmap\_surface':  
(.text+0x813): undefined reference to `pixman\_image\_set\_component\_alpha'  
/usr/lib/libX11.a(CIDisplay.o): In function `XCLOSEDisplay':  
(.text+0xbe): undefined reference to `xcb\_disconnect'  
/usr/lib/libX11.a(OpenDis.o): In function `OutOfMemory':  
(.text+0x3fa): undefined reference to `xcb\_disconnect'  
/usr/lib/libX11.a(OpenDis.o): In function `XOpenDisplay':  
(.text+0x7e2): undefined reference to `xcb\_get\_setup'  
/usr/lib/libX11.a(OpenDis.o): In function `XOpenDisplay':  
(.text+0xc29): undefined reference to `xcb\_get\_maximum\_request\_length'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XPutXCBBuffer':  
(.text+0xdd): undefined reference to `xcb\_get\_request\_sent'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XPutXCBBuffer':  
(.text+0x30e): undefined reference to `xcb\_get\_request\_sent'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XPutXCBBuffer':  
(.text+0x33d): undefined reference to `xcb\_send\_request'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XGetXCBBuffer':  
(.text+0x568): undefined reference to `xcb\_get\_request\_sent'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XGetXCBBuffer':  
(.text+0x57b): undefined reference to `xcb\_connection\_has\_error'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XCBUnlockDisplay':  
(.text+0x6ad): undefined reference to `xcb\_xlib\_unlock'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XCBUnlockDisplay':  
(.text+0x6e0): undefined reference to `xcb\_get\_request\_sent'  
/usr/lib/libX11.a(xcb\_lock.o): In function `\_\_XCBLOCKDisplay':  
(.text+0x78d): undefined reference to `xcb\_xlib\_lock'  
/usr/lib/libX11.a(xcb\_disp.o): In function `\_\_XConnectXCB':  
(.text+0x94): undefined reference to `xcb\_parse\_display'  
/usr/lib/libX11.a(xcb\_disp.o): In function `\_\_XConnectXCB':  
(.text+0x147): undefined reference to `xcb\_connect\_to\_display\_with\_auth\_info'  
/usr/lib/libX11.a(xcb\_disp.o): In function `\_\_XConnectXCB':  
(.text+0x165): undefined reference to `xcb\_get\_file\_descriptor'  
/usr/lib/libX11.a(xcb\_disp.o): In function `\_\_XConnectXCB':  
(.text+0x18e): undefined reference to `xcb\_generate\_id'  
/usr/lib/libX11.a(xcb\_disp.o): In function `\_\_XConnectXCB':  
(.text+0x199): undefined reference to `xcb\_connection\_has\_error'  
/usr/lib/libX11.a(xcb\_disp.o): In function `\_\_XConnectXCB':  
(.text+0x1c3): undefined reference to `xcb\_connect'  
/usr/lib/libX11.a(xcb\_io.o): In function `wait\_or\_poll\_for\_event':  
(.text+0x3ef): undefined reference to `xcb\_wait\_for\_event'  
/usr/lib/libX11.a(xcb\_io.o): In function `wait\_or\_poll\_for\_event':  
(.text+0x414): undefined reference to `xcb\_poll\_for\_event'  
/usr/lib/libX11.a(xcb\_io.o): In function `process\_responses':  
(.text+0x4c3): undefined reference to `xcb\_connection\_has\_error'  
/usr/lib/libX11.a(xcb\_io.o): In function `process\_responses':  
(.text+0x519): undefined reference to `xcb\_xlib\_unlock'  
/usr/lib/libX11.a(xcb\_io.o): In function `process\_responses':

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(.text+0x543): undefined reference to `xcb_xlib_lock'
/usr/lib/libX11.a(xcb_io.o): In function `process_responses':
(.text+0x5de): undefined reference to `xcb_poll_for_reply'
/usr/lib/libX11.a(xcb_io.o): In function `_XReply':
(.text+0x890): undefined reference to `xcb_xlib_unlock'
/usr/lib/libX11.a(xcb_io.o): In function `_XReply':
(.text+0x8bb): undefined reference to `xcb_wait_for_reply'
/usr/lib/libX11.a(xcb_io.o): In function `_XAllocIDs':
(.text+0xb60): undefined reference to `xcb_generate_id'
/usr/lib/libX11.a(xcb_io.o): In function `_XIDHandler':
(.text+0xb98): undefined reference to `xcb_generate_id'
/usr/lib/libX11.a(xcb_io.o): In function `_XSend':
(.text+0xc45): undefined reference to `xcb_flush'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_get_string_number':
(.text+0x39f): undefined reference to `pcre_get_stringnumber'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_get_capture_count':
(.text+0x426): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_get_max_backref':
(.text+0x456): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_unref':
(.text+0x6f7): undefined reference to `pcre_free'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_unref':
(.text+0x707): undefined reference to `pcre_free'
/usr/lib/libglib-2.0.a(gregex.o): In function `match_info_new':
(.text+0x895): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_match_all_full':
(.text+0x1068): undefined reference to `pcre_dfa_exec'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x12a5): undefined reference to `pcre_compile2'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x12ce): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x1333): undefined reference to `pcre_study'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x13c0): undefined reference to `pcre_config'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x13db): undefined reference to `pcre_config'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x1422): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `get_matched_substring_number':
(.text+0x1a4e): undefined reference to `pcre_get_stringnumber'
/usr/lib/libglib-2.0.a(gregex.o): In function `get_matched_substring_number':
(.text+0x1a79): undefined reference to `pcre_get_stringtable_entries'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_match_info_next':
(.text+0x1cc3): undefined reference to `pcre_exec'
collect2: ld returned 1 exit status
g++-4.1 -static -o "/home/paul/upp/out/GCC.Gui.Mt/HelloWorld" -Wl,-s -L"/usr/X11R6/lib"
-L"/usr/lib" -Wl,-O2
```

```

"/home/paul/upp/out/HelloWorld/GCC.Gui.Main.Mt/hello.o"
"/home/paul/upp/out/CtrlLib/GCC.Gui.Mt/CtrlLib.
o" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.o"
"/home/paul/upp/out/RichText/GCC.Gui.Mt/RichImage.
o" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfReport.o"
"/home/paul/upp/out/plugin/bmp/GCC.Gui.Mt/BmpReg.o
" "/home/paul/upp/out/plugin/png/GCC.Gui.Mt/pngreg.o" -WI,--start-group
"/home/paul/upp/out/CtrlLib/GCC.
Gui.Mt/CtrlLib.a" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.a"
"/home/paul/upp/out/RichText/GCC.Gu
i.Mt/RichText.a" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfDraw.a" -lgtk-x11-2.0
-lgdk-x11-2.0 -latk-1.0
-lgdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfreetype -lfontconfig -lXext -lXrender -lXinerama -lXi -lXrandr
-lXcursor -l
Xfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lplib-2.0 -lX11 -ldl -lXft -lfontconfig -lX
render -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui.Mt/Draw.a"
"/home/paul/upp/out/plugin/bmp/GCC.
Gui.Mt/bmp.a" -lpthread -ldl -lz "/home/paul/upp/out/Core/GCC.Gui.Mt/Core.a" -lpng
"/home/paul/upp/out/pl
ugin/png/GCC.Gui.Mt/png.a" -WI,--end-group
Error executing g++-4.1 -static -o "/home/paul/upp/out/GCC.Gui.Mt/HelloWorld" -WI,-s
-L"/usr/X11R6/lib" -L"/u
sr/lib" -WI,-O,2 "/home/paul/upp/out/HelloWorld/GCC.Gui.Main.Mt/hello.o"
"/home/paul/upp/out/CtrlLib/GCC
.Gui.Mt/CtrlLib.o" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.o"
"/home/paul/upp/out/RichText/GCC.G
ui.Mt/RichImage.o" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfReport.o"
"/home/paul/upp/out/plugin/bmp/GCC
.Gui.Mt/BmpReg.o" "/home/paul/upp/out/plugin/png/GCC.Gui.Mt/pngreg.o" -WI,--start-group
"/home/paul/upp/
out/CtrlLib/GCC.Gui.Mt/CtrlLib.a" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.a"
"/home/paul/upp/out
/RichText/GCC.Gui.Mt/RichText.a" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfDraw.a"
-lgtk-x11-2.0 -lgdk-x1
1-2.0 -latk-1.0 -lgdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfreetype -lfontconfig -lXext -lXrender -lXinerama -lXi
-lXra
ndr -lXcursor -lXfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lplib-2.0 -lX11 -ldl -lXft
-lfontconfig -lXrender -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui.Mt/Draw.a"
"/home/paul/upp/out
/plugin/bmp/GCC.Gui.Mt/bmp.a" -lpthread -ldl -lz "/home/paul/upp/out/Core/GCC.Gui.Mt/Core.a"
-lpng "/home
/paul/upp/out/plugin/png/GCC.Gui.Mt/png.a" -WI,--end-group
Exitcode: 1

```

There were errors. (1:20.11)

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