
Subject: Linux Suse 10.2 build problem

Posted by [womail](#) on Sun, 27 May 2007 23:05:10 GMT

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Hi,

When I try to build a program the build fails. Output below. I am missing libraries ?? I have added all missing libraries to the include path.

Does anyone have any idea to resolve this.

Thanks

```
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp: In function ‘Upp::Image Upp::GetGTK(GtkWidget*,  
int, int, const char*, int, int, int)’:  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:87: error: ‘GdkPixbuf’ was not declared in this  
scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:87: error: ‘icon’ was not declared in this scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:91: error: ‘GtkIconSize’ was not declared in this  
scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:91: error: ‘gtk_widget_render_icon’ was not  
declared in this scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:93: error: ‘gdk_pixbuf_get_width’ was not  
declared in this scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:94: error: ‘gdk_pixbuf_get_height’ was not  
declared in this scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:110: error: invalid initialization of reference of type  
‘GdkRectangle&’ from expression of type  
‘GtkAllocation’  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:122: error: ‘gdk_x11_colormap_foreign_new’  
was not declared in this scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:124: error: ‘gdk_drawable_set_colormap’ was  
not declared in this scope  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:138: error: invalid conversion from ‘const char*’  
to ‘gchar*’  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:138: error: initializing argument 7 of ‘void  
gtk_paint_box(GtkStyle*, GdkWindow*, GtkStateType  
, GtkShadowType, GdkRectangle*, GtkWidget*, gchar*, gint, gint, gint, gint)  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:143: error: invalid conversion from ‘const char*’  
to ‘gchar*’  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:143: error: initializing argument 7 of ‘void  
gtk_paint_check(GtkStyle*, GdkWindow*, GtkStateTy  
pe, GtkShadowType, GdkRectangle*, GtkWidget*, gchar*, gint, gint, gint, gint)  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:148: error: invalid conversion from ‘const char*’  
to ‘gchar*’  
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:148: error: initializing argument 7 of ‘void
```

```
gtk_paint_option(GtkStyle*, GdkWindow*, GtkWidget*, GtkStateType, GtkShadowType, GdkRectangle*, GtkWidget*, gchar*, gint, gint, gint, gint)
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:153: error: invalid conversion from 'const char*' to 'gchar*'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:153: error: initializing argument 7 of 'void gtk_paint_arrow(GtkStyle*, GdkWindow*, GtkWidget*, GtkStateType, GtkShadowType, GdkRectangle*, GtkWidget*, gchar*, GtkArrowType, gboolean, gint, gint, gint)'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:159: error: invalid conversion from 'const char*' to 'gchar*'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:159: error: initializing argument 7 of 'void gtk_paint_slider(GtkStyle*, GdkWindow*, GtkWidget*, GtkStateType, GtkShadowType, GdkRectangle*, GtkWidget*, gchar*, gint, gint, gint, gint, GtkOrientation)'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:162: error: 'gdk_draw_pixbuf' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:171: error: 'g_object_unref' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:176: error: 'g_object_unref' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp: In function 'void Upp::ChGtkNew(GtkWidget*, const char*, int)':
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:210: error: 'gtk_widget_get_parent' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp: In function 'int Upp::GtkInt(GtkWidget*, const char*)':
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:333: error: 'gtk_widget_style_get' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp: In function 'void Upp::ChHostSkin()':
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:454: error: 'gtk_settings_get_default' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:454: error: 'g_object_get' was not declared in this scope
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:510: error: 'struct _GtkToggleButton' has no member named 'inconsistent'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:518: error: 'struct _GtkToggleButton' has no member named 'inconsistent'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:523: error: 'struct _GtkToggleButton' has no member named 'inconsistent'
/home/user1/upp/upsrsrc/CtrlLib/ChGtk.cpp:747: error: 'gtk_widget_style_get' was not declared in this scope
CtrlLib: 49 file(s) built in (0:54.67), 1115 msecs / file, duration = 55144 msecs, parallelization 100%
```

There were errors. (0:55.14)

Subject: Re: Linux Suse 10.2 build problem
Posted by [mirek](#) on Mon, 28 May 2007 15:40:37 GMT
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I think you do not have installed gtk development headers (or not in include path).

Subject: Re: Linux Suse 10.2 build problem
Posted by [jlfranks](#) on Fri, 01 Jun 2007 03:59:58 GMT
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I had the same problem even after loading all the required software packages onto openSuSE 10.2.

SuSE puts them where UPP is not looking.
They are put in /opt/gnome under various directories.

I found two different ways of solving the problem.
1) Modify the path used in the makefile used to build the distribution
2) Put symbolic links pointing back to the SuSE installed areas for various of the elements.

The first method I used on SuSE 10.0. The second I used on SuSE 10.2. Either way worked for me.

Please find attached the make file for upp-2007.1/upsrsrc/ide which I modified for a build on SuSE 10.0

--jl

[File Attachments](#)
1) [Makefile](#), downloaded 400 times

Subject: Re: Linux Suse 10.2 build problem
Posted by [ebojd](#) on Fri, 01 Jun 2007 14:21:57 GMT
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This is related to the pkg-config issues discussed previously. You can take the output from that and freetype-config and put them in the CINC and LIBS variables of the Makefile during upp compilation. Here is an old example from portage:

```
if use truetype ; then
    CINC="${CINC} `freetype-config --cflags`"
    LIBS="${LIBS} `freetype-config --libs`"
fi
```

```
if use gtk2 ; then
    CINC="${CINC} `pkg-config gtk+-2.0 --cflags`"
    LIBS="${LIBS} `pkg-config gtk+-2.0 --libs`"
else
    CINC= "-DNOGTK" # not sure this is correct
fi
```

This will then properly align the stars...

Hope that helps.

EBo --

ps: I was hoping to integrate this back into the Makefile export generator, but will have to put that off until I get a couple of projects out for beta testing...
