Subject: Problems to build U++
Posted by ostruwe on Thu, 06 May 2010 20:18:19 GMT

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Hello!
I tried to build upp-x11-src-2361 on a SUSE 11.2 / 64 Bit machine, but make failed.The following message is shown:

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
In file included from /usr/include/glib-2.0/glib/galloca.h:34,
            from /usr/include/glib-2.0/glib.h:32,
            from CtrlLib/TrayIconX11.cpp:8:
/usr/include/glib-2.0/glib/gtypes.h:34:24: error: glibconfig.h: Datei oder Verzeichnis nicht gefunden

I had to add some 64Bit specific include paths. A good solution instead adding more and more paths, would be to add the following shell command to the make file:

CINC = -I./ `pkg-config gdk-2.0 --cflags-only-I` `pkg-config atk --cflags-only-I` -I/usr/X11R6/include

This construct detects the needed paths without manual investigation.

Kind regards
 Otmar

Subject: Re: Problems to build U++
Posted by amrein on Fri, 07 May 2010 07:12:20 GMT

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Howto build upp-x11-src-2361 from source tarball on rpm based Linux distributions?
(Suse, Fedora/Redhat, Mandriva, ...)

rpmbuild -tb --define "version 2361" --define "date $(LC_TIME=En date '+%a %b %d %Y')"
upp-x11-src-2361.tar.gz

That it.

Subject: Re: Problems to build U++
Posted by dolik.rce on Fri, 07 May 2010 11:55:35 GMT

ostruwe wrote on Thu, 06 May 2010 22:18I had to add some 64Bit specific include paths. A good solution instead adding more and more paths, would be to add the following shell command to the make file:

CINC = -I./ `pkg-config gdk-2.0 --cflags-only-I` `pkg-config atk --cflags-only-I` -I/usr/X11R6/include

This construct detects the needed paths without manual investigation.
Hi Otmar,
The problem with this solution is that pkg-config is not necessarily installed on every system. But you are right, it would be cleaner solution.

I'll try to see if we could use pkg-config in some safe way. Probably check if it is installed and if not than fall back to the old way...

BTW, you can always overwrite the default include paths from command line when executing make: make "CINC = -I./ `pkg-config gdk-2.0 --cflags-only-I` `pkg-config atk --cflags-only-I` -I/usr/X11R6/include"

Best Regards,
Honza