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**Subject:** How to Include Cairomm in Ultimate++?  
Posted by [rurbina](#) on Sat, 06 Jan 2007 19:29:17 GMT  
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Saludos!!!!

Could anyone please tell me how to include the cairomm library into ultimate++ in order to be able to use some of its potential? Like being able to work with SVG? Please i would appreciate your cooperation!!!!!!

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**Subject:** Re: How to Include Cairomm in Ultimate++?  
Posted by [mirek](#) on Sat, 06 Jan 2007 22:57:10 GMT  
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rurbina wrote on Sat, 06 January 2007 14:29 Saludos!!!!

Could anyone please tell me how to include the cairomm library into ultimate++ in order to be able to use some of its potential? Like being able to work with SVG? Please i would appreciate your cooperation!!!!!!

Adding libraries was discussed in detail several times here.

Basically, compile it to linkable form, then add in package organizer.

Use search the forum for details.

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**Subject:** Re: How to Include Cairomm in Ultimate++?  
Posted by [rurbina](#) on Wed, 10 Jan 2007 19:11:24 GMT  
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Saludos!!!

Could you please tell how to add all libraries including into GNU/linux in order to be able to work in Ultimate++. For example

I want to use Cairo, librsvg, cairomm, cairo-librsvg in such a way that i will be able to compile it my project in Windows and linux as well.

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**Subject:** Re: How to Include Cairomm in Ultimate++?  
Posted by [mirek](#) on Thu, 11 Jan 2007 20:01:11 GMT  
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Use "When" condition to add specific versions of libraries in specific environments.

Mirek

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Subject: Re: How to Include Caiomm in Ultimate++?

Posted by [rurbina](#) on Sat, 13 Jan 2007 14:36:39 GMT

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Saludos!!!

It's me again... and i am sorry for the question but i'm kindy of new in ultimate++ and there are still some thing which i don't really quite get.

This is my problem... Since i have been trying to use the Cairo lib in order to be able to open and draw a SVG file using U++. I have been including the library using the Build Methods, for example in the INCLUDES i typed this "/usr/include/cairo " along this in the LIB i typed this path "/usr/lib".

Also, using the package organizer in the WHERE i typed LINUX and finally in the LINKS OPTIONS "/usr/lib" and it seems to me that it recognize the Cairo.h, but the problem comes out when i am trying to use everyone of its methods and functions, because it throws out this error:

```
----- Core ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (1 / 9)
cd /home/rurbina/upp/uppsrc/Core
----- plugin/bmp ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (2 / 9)
cd /home/rurbina/upp/uppsrc/plugin/bmp
----- Draw ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (3 / 9)
cd /home/rurbina/upp/uppsrc/Draw
/home/rurbina/upp/uppsrc/Core/dli_source.h(1) : blocks BLITZ of
/home/rurbina/upp/uppsrc/Draw/DrawX11.cpp
----- CtrlCore ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (4 / 9)
cd /home/rurbina/upp/uppsrc/CtrlCore
----- PdfDraw ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (5 / 9)
cd /home/rurbina/upp/uppsrc/PdfDraw
----- plugin\png ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (6 / 9)
cd /home/rurbina/upp/uppsrc/plugin/png
----- RichText ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (7 / 9)
cd /home/rurbina/upp/uppsrc/RichText
----- CtrlLib ( GUI GCC DEBUG SO SHARED BLITZ LINUX ) (8 / 9)
cd /home/rurbina/upp/uppsrc/CtrlLib
/home/rurbina/upp/uppsrc/CtrlLib/XPTheme.dli(1) : blocks BLITZ of
/home/rurbina/upp/uppsrc/CtrlLib/ChWin32.cpp
----- Color ( GUI MAIN GCC DEBUG SO SHARED BLITZ LINUX ) (9 / 9)
cd /home/rurbina/upp/examples/Color
Linking...
c++ -o "/home/rurbina/upp/out/GCC.Debug.Gui.Shared.So/Color" -ggdb -L"/usr/X11R6/lib"
-L"/usr/lib" -Wl,-O,2 -L,/usr/lib "
/home/rurbina/upp/out/Color/GCC.Debug.Gui.Main.Shared.So/mai n.o "
"/home/rurbina/upp/out/Core/GCC.Debug.Gui.Shared.So/$b
litz.o" "/home/rurbina/upp/out/Core/GCC.Debug.Gui.Shared.So/OL_Set.o "
"/home/rurbina/upp/out/plugin/bmp/GCC.Debug.Gui.S
hared.So/BmpReg.o" "/home/rurbina/upp/out/plugin/bmp/GCC.Debug.Gui.Shared.So/$blitz.o "
"/home/rurbina/upp/out/Draw/GCC.
Debug.Gui.Shared.So/$blitz.o" "
/home/rurbina/upp/out/Draw/GCC.Debug.Gui.Shared.So/DrawX11.o" "/home/rurbina/upp/out/Ctr
lCore/GCC.Debug.Gui.Shared.So/CtrlCore.o" "
```

```

/home/rurbina/upp/out/CtrlCore/GCC.Debug.Gui.Shared.So/$blit z.o " "/home/pd
vsa/upp/out/PdfDraw/GCC.Debug.Gui.Shared.So/PdfReport.o"
"/home/rurbina/upp/out/PdfDraw/GCC.Debug.Gui.Shared.So/$blit
z.o" " /home/rurbina/upp/out/plugin/png/GCC.Debug.Gui.Shared.So/png reg.o "
"/home/rurbina/upp/out/plugin/png/GCC.Debug.Gu
i.Shared.So/pnglib.o" " /home/rurbina/upp/out/plugin/png/GCC.Debug.Gui.Shared.So/png upp.o "
"/home/rurbina/upp/out/RichTe
xt/GCC.Debug.Gui.Shared.So/RichImage.o" "
/home/rurbina/upp/out/RichText/GCC.Debug.Gui.Shared.So/$blit z.o " "/home/pdvs
a/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/CtrlLib.o" "
/home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/$blitz .o "
" /home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/ChWin3 2.o " -WI,--start-group
-Ipthread -ldl -lz -IX11 -ldl -
IXft -Ipng -WI,--end-group

`GuiMainFn_()':
main.cpp:(.text+0x30d): referencia a `cairo_matrix_init_scale' sin definir
collect2: ld returned 1 exit status
c++ -o "/home/rurbina/upp/out/GCC.Debug.Gui.Shared.So/Color" -ggdb -L"/usr/X11R6/lib"
-L"/usr/lib" -WI,-O,2 -L,/usr/lib "
/home/rurbina/upp/out/Color/GCC.Debug.Gui.Main.Shared.So/mai n.o "
"/home/rurbina/upp/out/Core/GCC.Debug.Gui.Shared.So/$b
litz.o" "/home/rurbina/upp/out/Core/GCC.Debug.Gui.Shared.So/OL_Set.o "
"/home/rurbina/upp/out/plugin/bmp/GCC.Debug.Gui.S
hared.So/BmpReg.o" " /home/rurbina/upp/out/plugin/bmp/GCC.Debug.Gui.Shared.So/$blitz.o "
"/home/rurbina/upp/out/Draw/GCC.
Debug.Gui.Shared.So/$blitz.o" "
/home/rurbina/upp/out/Draw/GCC.Debug.Gui.Shared.So/DrawX11.o " "/home/rurbina/upp/out/Ctr
lCore/GCC.Debug.Gui.Shared.So/CtrlCore.o" "
/home/rurbina/upp/out/CtrlCore/GCC.Debug.Gui.Shared.So/$blit z.o " "/home/pd
vsa/upp/out/PdfDraw/GCC.Debug.Gui.Shared.So/PdfReport.o"
"/home/rurbina/upp/out/PdfDraw/GCC.Debug.Gui.Shared.So/$blit
z.o" " /home/rurbina/upp/out/plugin/png/GCC.Debug.Gui.Shared.So/png reg.o "
"/home/rurbina/upp/out/plugin/png/GCC.Debug.Gu
i.Shared.So/pnglib.o" " /home/rurbina/upp/out/plugin/png/GCC.Debug.Gui.Shared.So/png upp.o "
"/home/rurbina/upp/out/RichTe
xt/GCC.Debug.Gui.Shared.So/RichImage.o" "
/home/rurbina/upp/out/RichText/GCC.Debug.Gui.Shared.So/$blit z.o " "/home/pdvs
a/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/CtrlLib.o" "
/home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/$blitz .o "
" /home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/ChWin3 2.o " -WI,--start-group
-Ipthread -ldl -lz -IX11 -ldl -
IXft -Ipng -WI,--end-group
Error executing c++ -o "/home/rurbina/upp/out/GCC.Debug.Gui.Shared.So/Color" -ggdb
-L"/usr/X11R6/lib" -L"/usr/lib" -WI,-O
,2 -L,/usr/lib " /home/rurbina/upp/out/Color/GCC.Debug.Gui.Main.Shared.So/mai n.o "
"/home/rurbina/upp/out/Core/GCC.Debug.
Gui.Shared.So/$blitz.o" "/home/rurbina/upp/out/Core/GCC.Debug.Gui.Shared.So/OL_Set.o "

```

```
"/home/rurbina/upp/out/plugin/bmp  
/GCC.Debug.Gui.Shared.So/BmpReg.o" "  
/home/rurbina/upp/out/plugin/bmp/GCC.Debug.Gui.Shared.So/$blitz.o" "/home/rurbina/u  
pp/out/Draw/GCC.Debug.Gui.Shared.So/$blitz.o" "  
/home/rurbina/upp/out/Draw/GCC.Debug.Gui.Shared.So/DrawX11.o" "/home/p  
dvsa/upp/out/CtrlCore/GCC.Debug.Gui.Shared.So/CtrlCore.o"  
"/home/rurbina/upp/out/CtrlCore/GCC.Debug.Gui.Shared.So/$blit  
z.o" "/home/rurbina/upp/out/PdfDraw/GCC.Debug.Gui.Shared.So/PdfRep ort.o" "  
"/home/rurbina/upp/out/PdfDraw/GCC.Debug.Gui  
.Shared.So/$blitz.o" "/home/rurbina/upp/out/plugin/png/GCC.Debug.Gui.Shared.So/png reg.o" "  
"/home/rurbina/upp/out/plugin/  
png/GCC.Debug.Gui.Shared.So/pnglib.o" "  
/home/rurbina/upp/out/plugin/png/GCC.Debug.Gui.Shared.So/png upp.o" "/home/pdvs  
a/upp/out/RichText/GCC.Debug.Gui.Shared.So/RichImage.o" "  
/home/rurbina/upp/out/RichText/GCC.Debug.Gui.Shared.So/$blit  
z.o" "/home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/CtrlLi b.o" "  
"/home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui Sha  
red.So/$blitz.o" "/home/rurbina/upp/out/CtrlLib/GCC.Debug.Gui.Shared.So/ChWin3 2.o" "  
-WI,--start-group -Ipthread -ldl  
-lz -lX11 -ldl -lXft -lpng -WI,--end-group  
Exitcode: 1
```

There were errors. (0:02.50)

I really appreciate anybody could help me out on this problem.....

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Subject: Re: How to Include Cairomm in Ultimate++?

Posted by [guido](#) on Sat, 13 Jan 2007 16:08:59 GMT

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Hello,

you need to tell the linker explicitly which libs to link to.  
It can not figure that out from the headers alone.

So in the link line you need -lcairo or better

`pkg-config --libs cairo`

(notice: must use back-tick not quotes).

Also

`pkg-config --cflags cairo`

is the saver strategy for header inclusion.

Guido

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Subject: Re: How to Include Cairomm in Ultimate++?

Posted by [mirek](#) on Sat, 13 Jan 2007 22:41:28 GMT

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I am afraid this would not work with current ThelDE.

Instead, simply put "cairo" as library in package organizer to your main package (or package that needs to link with cairo).

Mirek

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