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Subject: Install error external packages "apr 13" and Kubuntu 14.04

Posted by [MartinJGaluska](#) on Sun, 20 Apr 2014 16:41:37 GMT

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Hello,

I have just tried to compile the external packages "apr 13" on a fresh install of Kubuntu 14.04 64 bit. apr 13 is the recommended version for the PandaRoot trunk.

It seems that there is a problem with the compilation of root. I actually found my problem described here:

<https://sft.its.cern.ch/jira/browse/ROOT-5817>

Quote:

Olivier Couet added a comment - 10/Dec/13 11:13 AM

We do support locally installed freetype (to use the ROOT freetype one has to do the configure with the option `--enable-buildin-freetype`). Now the version of freetype in ROOT is 2.3.12 the new one is 2.5.1. I managed to reproduce the problem replacing 2.3.12 by 2.5.1 in the local version. It seems that the problem comes for the fact that 2.5.1 puts its include file a level higher than 2.3.12. I guess we have to support both.

However, I don't know how to fix the problem myself.

Here is my error output:

Quote:

Enabled support for asimage, astiff, builtin\_afterimage, builtin\_ftgl, builtin\_glew, builtin\_pcre, builtin\_lzma, explicitlink, gdml, genvector, mathmore, memstat, minuit2, monalisa, opengl, pythia6, pythia8, roofit, shadowpw, shared, soversion, tmva, x11, xft.

To build ROOT type:

```
make
make install
```

```
bin/rmkdepend -R -fcore/base/src/TROOT.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -DR__HAVE_CONFIG -pthread -D__cplusplus --
/home/fairroot/apr13/tools/root/core/base/src/TROOT.cxx
g++ -O2 -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude
-DR__HAVE_CONFIG -pthread -o core/base/src/TROOT.o -c
/home/fairroot/apr13/tools/root/core/base/src/TROOT.cxx
*** Building libAfterImage ...
make[1]: Entering directory `/home/fairroot/apr13/tools/root/graf2d/asimage/src/libAfterImage'
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c asfont.c -o
asfont.o
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c transform.c -o
transform.o
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c ungif.c -o ungif.o
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c xcf.c -o xcf.o
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c ximage.c -o
ximage.o
```

```
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c xpm.c -o xpm.o
asfont.c:67:33: fatal error: freetype/freetype.h: No such file or directory
# include <freetype/freetype.h>
      ^
compilation terminated.
```

...

Lots of output in between...

...

```
,ake[1]: Leaving directory `/home/fairroot/apr13/tools/root/graf2d/asimage/src/libAfterImage'
make: *** [graf2d/asimage/src/libAfterImage/libAfterImage.a] Error 2
make: *** Waiting for unfinished jobs....
*** Building libAfterImage ...
make[1]: Entering directory `/home/fairroot/apr13/tools/root/graf2d/asimage/src/libAfterImage'
gcc -m64 -O3 -DNO_DEBUG_OUTPUT -fPIC -I/usr/include/freetype2 -c asfont.c -o
asfont.o
asfont.c:67:33: fatal error: freetype/freetype.h: No such file or directory
# include <freetype/freetype.h>
      ^
compilation terminated.
make[1]: *** [asfont.o] Error 1
make[1]: Leaving directory `/home/fairroot/apr13/tools/root/graf2d/asimage/src/libAfterImage'
make: *** [graf2d/asimage/src/libAfterImage/libAfterImage.a] Error 2
**** Checking libraries in /home/fairroot/apr13build/lib ****
*** ERROR: root could not be created.
*** End installation of external packages with Errors***
```

Thank you for your help!  
Martin