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Subject: Bug in EventDisplay

Posted by [Tobias Stockmanns](#) on Thu, 03 Sep 2009 06:49:41 GMT

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Dear PandaRooters,

I get an error when I try to use the eventDisplay.C macro in /macro/run/ with the new root version of the new external packages.

The error message is:

```
Error in <TGLWidget::CreateGLContainer>: No good visual found!
```

```
Error: Symbol G__exception is not defined in current scope
```

```
/home/stockman/fairroot/cbmsoft/pandaroot/macro/mvd/././run/eventDisplay.C:49:
```

```
Error: type G__exception not defined
```

```
FILE:/home/stockman/fairroot/cbmsoft/pandaroot/macro/mvd/././run/eventDisplay.C LINE:49  
(int)0
```

```
*** Interpreter error recovered ***
```

I hope someone has an idea how to overcome this problem.

Cheers,

Tobias

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Subject: Re: Bug in EventDisplay

Posted by [Florian Uhlig](#) on Thu, 03 Sep 2009 07:19:20 GMT

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Hi Tobias

Is it your own machine which has troubles with the macro?

Probably GL or GLU is not installed on the machine which is needed by ROOT for the eventdisplay. Could you please check.

Ciao

Florian

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Subject: Re: Bug in EventDisplay

Posted by [Tobias Stockmanns](#) on Thu, 03 Sep 2009 07:46:11 GMT

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Hallo Florian,

OpenGL ist bei mir installiert. Die glxgears Zahnräder drehen sich.

Viele Grüße

Tobias

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Subject: Re: Bug in EventDisplay  
Posted by [Florian Uhlig](#) on Thu, 03 Sep 2009 08:32:29 GMT  
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Hi Tobias

Please check if you can find libGLU somewhere.  
Another possibility is to run rootconfig.sh in the root directory again and to check if libGL and libGLU was found by ROOT.

Ciao

Florian

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Subject: Re: Bug in EventDisplay  
Posted by [Tobias Stockmanns](#) on Thu, 03 Sep 2009 09:25:50 GMT  
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Hallo Florian,

rootconfig.sh findet libGLU und libMesaGLU in /usr/lib.

Ich habe gerade Root neu kompilieren.

Viele Grüße

Tobias

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Subject: Re: Bug in EventDisplay  
Posted by [Tobias Stockmanns](#) on Thu, 03 Sep 2009 09:29:52 GMT  
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Hi Florian,

the problem is still there.

Cheers,

Tobias

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Subject: Re: Bug in EventDisplay  
Posted by [Florian Uhlig](#) on Thu, 03 Sep 2009 10:07:42 GMT  
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Hi Tobias

Can you please send me the output of rootconfig.sh.

Ciao

Florian

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Subject: Re: Bug in EventDisplay  
Posted by [Tobias Stockmanns](#) on Thu, 03 Sep 2009 10:46:32 GMT  
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Here it comes:

stockman@ikp455: ./rootconfig.sh

```
./rootconfig.sh: line 30: [: too many arguments
Configuring for linux
INFO: --enable-builtin-ftgl: already enabled by default.
INFO: --enable-monalisa: already enabled by default.
Checking for GNU Make version >= 3.79.1 ... ok
Checking for C compiler ... gcc
Checking for C++ compiler ... g++
Checking for linker (LD) ... g++
Checking for F77 compiler ... gfortran
Checking for libX11 ... /usr/lib
Checking for X11/Xlib.h ... /usr/include
Checking for X11/Xft/Xft.h ... /usr/include
Checking for X11/extensions/shape.h ... /usr/include
Checking for libXpm ... /usr/lib
Checking for libXft ... /usr/lib
Checking for libXext ... /usr/lib
Checking whether to build included libfreetype6 ... yes
Checking whether to build included libftgl ... yes
Checking whether to build included libpcre ... yes
Checking whether to build included zlib ... yes
Checking for GL/gl.h ... /usr/include
Checking for libGL, or libMesaGL ... /usr/lib
Checking for libGLU, or libMesaGLU ... /usr/lib
Checking for GL/glew.h ... no
Checking for libGLEW ... no
Checking whether to build included GLEW ... yes
Checking for occi.h ... no
Checking for libclntsh, or oci ... no
Checking for libocci, or oraocci10 ... no
Checking for libpq-fe.h ... no
Checking for libpq ... no
Checking for sql.h ... no
Checking for libsqlod ... no
Checking for sqlext.h ... no
```

Checking for libiodbc, libodbc, or odbc32 ... /usr/lib  
Checking for rfio\_api.h ... no  
Checking for librpio, libshift, shiftmd, or shift ... no  
Checking for rfio\_api.h ... no  
Checking for stager\_api.h ... no  
Checking for libshift, shiftmd, or shift ... no  
Checking for gfal\_api.h ... no  
Checking for libgfal ... no  
Checking for G4Navigator.hh ... /home/stockman/fairroot/cbmsoft/transport/geant4/include  
Checking for libG4navigation ... /home/stockman/fairroot/cbmsoft/transport/geant4/lib  
Checking for CLHEP/Vector/Rotation.h ... /home/stockman/fairroot/cbmsoft/cern/clhep/include  
Checking for ApMon.h ... /home/stockman/fairroot/cbmsoft/tools/monalisa/include  
Checking for libapmoncpp ... /home/stockman/fairroot/cbmsoft/tools/monalisa/lib  
Checking for fftw3.h ... /usr/include  
Checking for libfftw3, or libfftw3-3 ... /usr/lib  
Checking for libPythia6 ... /home/stockman/fairroot/cbmsoft/generators/lib  
Checking for pythia6\_common\_block\_address\_\_ in  
/home/stockman/fairroot/cbmsoft/generators/lib/libPythia6.so ... no  
Checking for pythia6\_common\_block\_address\_ in  
/home/stockman/fairroot/cbmsoft/generators/lib/libPythia6.so ... no  
Checking for pythia6\_common\_address in  
/home/stockman/fairroot/cbmsoft/generators/lib/libPythia6.so ... ok  
Checking for Pythia.h ... no  
Checking for libpythia8 ... no  
Checking for dcap.h ... no  
Checking for libdcap ... no  
Checking for chirp\_client.h ... no  
Checking for libchirp\_client ... no  
Checking for dns\_sd.h ... /usr/include  
Checking for libdns\_sd ... /usr/lib  
Checking for libglite-api-wrapper ... no  
Checking for gapiUI.h ... no  
Checking for libgapiUI ... no  
Checking for jpeglib.h ... /usr/include  
Checking for png.h ... /usr/include  
Checking for tiffio.h ... /usr/include  
Checking for gif\_lib.h ... /usr/include  
Checking for libjpeg ... /usr/lib  
Checking for libtiff ... /usr/lib  
Checking for libungif ... /usr/lib  
Checking for libz ... /usr/lib  
Checking for libpng ... /usr/lib  
Checking whether to build included libAfterImage ... yes  
Checking for ldap.h ... /usr/include  
Checking for libldap ... /usr/lib  
Checking for liblber ... /usr/lib  
Checking for Python.h ... /usr/include/python2.6  
Checking for python2.6, libpython2.6, libpython, python, or Python ... /usr/lib/python2.6/config  
Checking for xml2-config ... /usr/local/panda/ALIEN/alien/bin/xml2-config  
Checking for libxml2 version >= 2.4.x ... ok  
Checking whether to build xrootd ... no  
Checking for libssl ... /usr/lib

Checking for libcrypto ... /usr/lib  
Checking for openssl/bio.h ... /usr/include  
Checking for openssl/blowfish.h ... /usr/include  
Checking for openssl/err.h ... /usr/include  
Checking for openssl/pem.h ... /usr/include  
Checking for openssl/rand.h ... /usr/include  
Checking for openssl/rsa.h ... /usr/include  
Checking for t\_server.h ... no  
Checking for libsrp ... no  
Checking for libgmp ... /usr/lib  
Checking for libmisc ... no  
Checking for pwauth.h ... no  
Checking for krb5.h ... /usr/include  
Checking for libk5crypto ... /usr/lib  
Checking whether we're using MIT Kerberos ... yes  
Checking for libkrb5 ... /usr/lib  
Checking for libcrypto ... /usr/lib  
Checking for kinit ... no  
Checking for libcom\_err ... /usr/lib  
Checking for shadow passwords ... yes  
Checking for gsl/gsl\_version.h ... no  
Checking for gsl-config ... /usr/bin/gsl-config  
Checking for GSL version >= 1.8 ... ok  
Checking whether to build libMathMore ... yes  
Checking whether to build libGenVector ... yes  
Checking whether to build CINT5 ... yes  
Checking whether to build CINT7 ... no  
Checking whether to build libCintex ... yes  
Checking whether to build libReflex ... yes  
Checking whether to build libRooFit ... yes  
Checking whether to build libMinuit2 ... yes  
Checking whether to build libUnuran ... no  
Checking whether to build libGdml ... no  
Checking whether to build libTable ... no  
Checking whether to build libMemStat ... yes  
Checking for Clarens support ... no  
Checking for PEAC support ... no  
Generating cint dictionaries.  
Checking whether setresuid declared in /usr/include/unistd.h ... yes  
Writing config/Makefile.config ... done  
Writing config/Makefile.comp ... done  
Writing include/RConfigure.h ... done  
Writing include/RConfigOptions.h ... done  
Writing bin/root-config ... done  
Writing etc/system.rootrc ... done  
Writing etc/system.rootauthrc ... done  
Writing etc/system.rootdaemonrc ... done  
Writing etc/root.mimes ... done  
Writing etc/daemons/rootd.rc.d ... done  
Writing etc/daemons/rootd.xinetd ... done  
Writing etc/daemons/proofd.rc.d ... done  
Writing etc/daemons/proofd.xinetd ... done

Writing etc/daemons/xrootd.rc.d ... done  
Writing etc/daemons/olbd.rc.d ... done  
Writing bin/memprobe ... done  
Writing build/misc/root-help.el ... done  
Writing macros/html.C ... done  
Writing bin/thisroot.sh ... done  
Writing bin/thisroot.csh ... done  
Writing bin/genreflex ... done  
Writing bin/genreflex-rootcint ... done  
Writing config.status ... done

Enabled support for asimage, astiff, bonjour, builtin\_afterimage, builtin\_ftgl, builtin\_freetype, builtin\_glew, builtin\_pcre, builtin\_zlib, cint5, cintex, exceptions, fftw3, g4root, genvector, krb5, ldap, mathmore, memstat, minuit2, monalisa, opengl, pythia6, python, reflex, roofit, shadowpw, shared, soversion, ssl, xft, xml.

To build ROOT type:

make

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Subject: Re: Bug in EventDisplay  
Posted by [Tobias Stockmanns](#) on Mon, 21 Sep 2009 14:45:08 GMT  
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Dear pandaRooters,

I could solve the error:  
Error in <TGLWidget::CreateGLContainer>: No good visual found!

The problem is a wrong order of the paths inside LD\_LIBRARY\_PATH set by config.sh.

For my system the path /usr/X11R6/lib has to be before /usr/lib which is not the case in config.sh. After fixing this it works again.

Cheers,

Tobias

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Subject: Re: Bug in EventDisplay  
Posted by [Anonymous Poster](#) on Mon, 21 Sep 2009 14:49:43 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Hi Tobias,

what happens if you delete all entries /usr/\* from your LD\_LIBRARY\_PATH?

Thanks, Christian

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Subject: Re: Bug in EventDisplay  
Posted by [Anonymous Poster](#) on Thu, 08 Oct 2009 08:32:40 GMT  
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Hi Christian,

I had the same error as Tobias. In my case I had to put the directory /usr/lib/nvidia before /usr/lib in LD\_LIBRARY\_PATH and it works. If I, as you suggest, remove all entries /usr/\* from my LD\_LIBRARY\_PATH it also works!

Andrey

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Subject: Re: Bug in EventDisplay  
Posted by [Florian Uhlig](#) on Fri, 09 Oct 2009 06:25:46 GMT  
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Hi

They /usr directories were needed by some older (probably incorrect) system and then stayed in the code.

Since they are introducing now many and most of all obscure errors I removed the /usr related directories from the LD\_LIBRARY\_PATH.

Hope this solves the problems.

Ciao

Florian

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Subject: Re: Bug in EventDisplay  
Posted by [manoj.jadhav](#) on Fri, 11 Mar 2011 04:45:38 GMT  
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Hi all,

I was trying to run create\_lumi.C from lmd macro but unfortunately it is showing following error,

```
.....  
Xlib: extension "GLX" missing on display ":0.0".  
Error in <TGLWidget::CreateWindow>: No good visual found!  
Error: Symbol #include is not defined in current scope create_lumi.C:114:  
Error: Symbol exception is not defined in current scope create_lumi.C:114:  
Syntax Error: #include <exception> create_lumi.C:114:  
Error: Symbol G__exception is not defined in current scope create_lumi.C:114:  
Error: type G__exception not defined  
FILE:/home/manoj/panda/pandaroot/macro/lmd/./create_lumi.C LINE:114  
*** Interpreter error recovered ***  
.....
```

But before few day it was running fine.  
What should I do to get rid of this problem?  
thanks in advance

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Subject: Re: Bug in EventDisplay  
Posted by [Stefano Spataro](#) on Fri, 11 Mar 2011 10:17:08 GMT  
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Hi,  
this does not seem a bug of the event display.  
I would say that you are using a machine where some GL libraries are not installed, or maybe you have connected to some machine without the graphics (ssh -X?). I would explore both things.

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Subject: Re: Bug in EventDisplay  
Posted by [manoj.jadhav](#) on Fri, 11 Mar 2011 11:53:32 GMT  
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Hi Stefano,

I am totally agreed with you this seems to be error due to GL library, but for my machine mesa gl, masa & openmotif all are correctly installed and also few days before macro was running fine.

Is there any way to find out the missing lib?

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