

QGIS Application - Bug report #9818

Crash when launching globe

2014-03-19 10:57 AM - Paolo Cavallini

<div>Status:Closed</div> <div>Priority:Normal</div> <div>Assignee:Pirmin Kalberer</div> <div>Category:C++ plugins/Globe</div> <div>Affected QGIS version:2.8.0</div> <div>Operating System:</div> <div>Pull Request or Patch supplied:</div> <div>Crashes QGIS or corrupts data:</div>	<div>Regression?:No</div> <div>Easy fix?:No</div> <div>Resolution:</div> <div>Copied to github as #: 18349</div>
<div>Description</div> <div>As soon as I launch Globe, without having configured it, QGIS crashes.</div> <div>Master, just recompiled on Debian sid.</div> <div>On Win7 (OSGeo4W), Globe does not seem to work at all. When trying to launch it, it just shows a "bad allocation" error without any further information. Then trying to change the base map in settings results in a QGIS crash on closing settings.</div> <div>[osgEarth]* WARNING: Failed to load terrain engine driver for "mp"</div> <div>[osgEarth]* FAILED to create a terrain engine for this map</div> <div>[osgEarth]* [CacheFactory] Failed to load cache plugin for type "filesystem"</div> <div>[osgEarth]* [CacheFactory] Failed to load cache plugin for type "filesystem"</div> <div>[osgEarth]* [CacheFactory] Failed to load cache plugin for type "filesystem"</div> <div>QGIS died on signal 11</div> <div>warning: Could not load shared library symbols for linux-vdso.so.1.</div> <div>Do you need "set solib-search-path" or "set sysroot"?</div> <div>[New LWP 24618]</div> <div>[New LWP 24617]</div> <div>[New LWP 24614]</div> <div>[New LWP 24613]</div> <div>[New LWP 24604]</div> <div>[Thread debugging using libthread_db enabled]</div> <div>Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".</div> <div>warning: no loadable sections found in added symbol-file system-supplied DSO at 0x7ffff99d7000</div> <div>0x00007f432d5b4cf9 in __libc_waitpid (pid=24620, stat_loc=0x7ffff994647c, options=0)</div> <div>at ../sysdeps/unix/sysv/linux/waitpid.c:40</div> <div>40 ../sysdeps/unix/sysv/linux/waitpid.c: File o directory non esistente.</div> <div>[Current thread is 1 (Thread 0x7f4334e1d7c0 (LWP 24603))]</div> <div>#0 0x00007f432d5b4cf9 in __libc_waitpid (pid=24620, stat_loc=0x7ffff994647c, options=0) at ../sysdeps/unix/sysv/linux/waitpid.c:40</div> <div>resultvar = 117043536</div> <div>oldtype = 0</div> <div>#1 0x00000000004f7f17 in qqgisCrash(int) ()</div> <div>No symbol table info available.</div> <div>#2 &lt;signal handler called&gt;</div> <div>No locals.</div> <div>#3 0x00007f430dc28039 in osgEarth::MapNode::getTerrain() () from /usr/lib/libosgEarth.so.2</div> <div>No symbol table info available.</div> <div>#4 0x00007f430d4d6418 in osgEarth::Util::EarthManipulator::established() () from</div>	

/usr/lib/libosgEarthUtil.so.2  
No symbol table info available.

#5 0x00007f430dfa3d29 in osgViewer::View::assignSceneDataToCameras() () from  
/usr/lib/libosgViewer.so.99  
No symbol table info available.

#6 0x00007f430dfa40ff in osgViewer::View::setSceneData(osg::Node\*) () from  
/usr/lib/libosgViewer.so.99  
No symbol table info available.

#7 0x00007f430f574c6a in GlobePlugin::run() () from  
/usr/lib/qgis/plugins/libglobeplugin.so  
No symbol table info available.

#8 0x00007f430f589d75 in ?? () from /usr/lib/qgis/plugins/libglobeplugin.so  
No symbol table info available.

#9 0x00007f43306c077a in QMetaObject::activate(QObject\*, QMetaObject const\*, int,  
void\*\*) () from /usr/lib/x86\_64-linux-gnu/libQtCore.so.4  
No symbol table info available.

#10 0x00007f432fa47572 in QAction::triggered(bool) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#11 0x00007f432fa48f43 in QAction::activate(QAction::ActionEvent) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#12 0x00007f432fe732f9 in ?? () from /usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#13 0x00007f432fe77829 in ?? () from /usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#14 0x00007f432fa9cc9a in QWidget::event(QEvent\*) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#15 0x00007f432fe7b62b in QMenu::event(QEvent\*) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#16 0x00007f432fa4d6cc in QApplicationPrivate::notify\_helper(QObject\*, QEvent\*) ()  
from /usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#17 0x00007f432fa53e7d in QApplication::notify(QObject\*, QEvent\*) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#18 0x00007f43318e5feb in QgsApplication::notify(QObject\*, QEvent\*) () from  
/usr/lib/libqgis\_core.so.2.3.0  
No symbol table info available.

#19 0x00007f43306ac4ed in QCoreApplication::notifyInternal(QObject\*, QEvent\*) () from  
/usr/lib/x86\_64-linux-gnu/libQtCore.so.4  
No symbol table info available.

#20 0x00007f432fa53633 in QApplicationPrivate::sendMouseEvent(QWidget\*, QMouseEvent\*,  
QWidget\*, QWidget\*, QWidget\*\*, QPointer<QWidget>&, bool) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#21 0x00007f432fac562c in ?? () from /usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

#22 0x00007f432fac3d6c in QApplication::x11ProcessEvent(\_XEvent\*) () from  
/usr/lib/x86\_64-linux-gnu/libQtGui.so.4  
No symbol table info available.

```
#23 0x00007f432faeb6c2 in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#24 0x00007f432be2f526 in g_main_context_dispatch () from
/lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#25 0x00007f432be2f878 in ?? () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#26 0x00007f432be2f91c in g_main_context_iteration () from
/lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#27 0x00007f43306d9725 in
QEventDispatcherGlib::processEvents(QFlags<QEventLoop::ProcessEventsFlag>) () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#28 0x00007f432faeb776 in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#29 0x00007f43306ab0bf in
QEventLoop::processEvents(QFlags<QEventLoop::ProcessEventsFlag>) () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#30 0x00007f43306ab3b5 in QEventLoop::exec(QFlags<QEventLoop::ProcessEventsFlag>) ()
from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#31 0x00007f43306b0b89 in QApplication::exec() () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#32 0x00000000004f28f3 in main ()
No symbol table info available.
gdb returned 0
```

## Associated revisions

Revision 13a5167b - 2015-12-23 09:23 PM - Jürgen Fischer

Merge pull request #2609 from sebastiC/bug-9818

Add dependency on openscenegraph-plugin-osgearth to qgis-plugin-globe (fixes #9818)

## History

#1 - 2014-03-19 02:49 PM - Antonio Locandro

On my machine when clickin on Globe icon infinite windows appears and I need to force stop. Using Windows 7 64 bit version happens with 2.2 and master

#2 - 2014-03-19 03:23 PM - Larry Shaffer

Paolo,

Have you tried setting the **OSG\_LIBRARY\_PATH** env var, pointing to the OSG plugins path (then launch QGIS)?

**#3 - 2014-03-20 01:52 AM - Paolo Cavallini**

I packaged with dpkg-buildpackage, who must take care of this (if not, it's a bug anyway)

**#4 - 2014-03-20 08:18 AM - Pirmin Kalberer**

Do you have the same problem with a packaged 2.2?

**#5 - 2014-03-20 08:35 AM - Paolo Cavallini**

Yes, also from debs from qgis.org.

Please note: official debs should hit sid in a few days, I'll test with these also

**#6 - 2014-03-20 09:24 AM - Pirmin Kalberer**

I can reproduce the crash on Ubuntu with QGIS master and osgearth 2.4.0.

Mathias Kuhn made some major enhancements in Nov. 2013. Mathias, do you know what broke the globe in 2.2?

2.3 is a different story, because of multithreaded rendering.

**#7 - 2014-03-20 10:43 AM - Matthias Kuhn**

Looking at the last debug messages it could be connected to the cache which was re-enabled (based on a compiler switch osg earth version  $\geq$  2.2.0 has a new caching engine)

But no idea why it fails

Related commits:

commit:38b5f4ef and commit:443ca0d8

Previously people also reported problems with anti-aliasing, so one could also try to turn that off.

**#8 - 2014-03-27 06:14 AM - Pirmin Kalberer**

- *Priority changed from High to Normal*

Current status in master branch:

- Globe is running stable on Precise, Ubuntu is unstable and OsgEarth 2.4
- Win 32bit: Crash on startup
- Win 64bit: Globe windows opens, but flips around and finally crashes
- Mac: Should startup normal (Antialiasing disabled by default), but was crashing after some changes in settings

We're currently working on an update to OsgEarth 2.5 which should give a big performance improvement and will test on Windows (concentrating on 64bit) as well.

**#9 - 2014-05-07 02:43 PM - jtornero -**

For your information: I was about to file an issue about this, confirming the bug in KUBUNTU 14.04, trying to make a backtrace, etc, but I tried to see what packages I had installed in my system relative to globe plugin (mainly those related to openscenegraph and osgearth).

I realized that some packages were not installed and among them, one has popped out:

openscenegraph-plugin-osgearth

I've installed it between others not present... and... ta-dan!!! The globe works!!! but unfortunately I have not recorded which (to tell you the truth I wasn't giving any chances for it to work), anyway I've got a log of apt-get operations (issuing `grep install /var/log/dpkg.log`) and look like what I installed to make globe work was:

```
2014-05-07 23:09:23 install openscenegraph-plugin-osgearth:i386 <none> 2.4.0+dfsg-6
2014-05-07 23:09:23 status half-installed openscenegraph-plugin-osgearth:i386 2.4.0+dfsg-6
2014-05-07 23:09:26 install osgearth:i386 <none> 2.4.0+dfsg-6
2014-05-07 23:09:26 status half-installed osgearth:i386 2.4.0+dfsg-6
2014-05-07 23:09:27 install osgearth-data:all <none> 2.4.0+dfsg-6
2014-05-07 23:09:27 status half-installed osgearth-data:all 2.4.0+dfsg-6
2014-05-07 23:09:32 status installed man-db:i386 2.6.7.1-1
2014-05-07 23:09:33 status installed openscenegraph-plugin-osgearth:i386 2.4.0+dfsg-6
2014-05-07 23:09:33 status installed osgearth:i386 2.4.0+dfsg-6
2014-05-07 23:09:33 status installed osgearth-data:all 2.4.0+dfsg-6
2014-05-07 23:15:00 install freeglut3:i386 <none> 2.8.1-1
2014-05-07 23:15:00 status half-installed freeglut3:i386 2.8.1-1
2014-05-07 23:15:01 install openscenegraph:i386 <none> 3.2.0~rc1-4
2014-05-07 23:15:01 status half-installed openscenegraph:i386 3.2.0~rc1-4
2014-05-07 23:15:05 status installed man-db:i386 2.6.7.1-1
2014-05-07 23:15:05 status installed freeglut3:i386 2.8.1-1
2014-05-07 23:15:05 status installed openscenegraph:i386 3.2.0~rc1-4
2014-05-07 23:15:07 status installed libc-bin:i386 2.19-0ubuntu6
```

This is what was not installed by default by following the building instructions from the file INSTALL of the qgis source (mainly applying what is stated in 3.3. Install build dependencies)

My system:

Kubuntu 14.04 LTS

```
QGIS version 2.3.0-Master QGIS code revision b9f5477
Compiled against Qt 4.8.6 Running against Qt 4.8.6
Compiled against GDAL/OGR 1.10.1 Running against GDAL/OGR 1.10.1
Compiled against GEOS 3.4.2-CAPI-1.8.2 Running against GEOS 3.4.2-CAPI-1.8.2 r3921
PostgreSQL Client Version 9.3.4 SpatiaLite Version 4.1.1
QWT Version 6.0.0-svn PROJ.4 Version 480
QScintilla2 Version This copy of QGIS writes debugging output.
OPENSCENEGGRAPH: 3.2.0
OSGEARTH: 2.4.0+dfsg-6
```

I hope this could help you. By the way, and related to others bugs/issues reported regarding Kubuntu 14.04, I had several problems regarding python packages not installed by default which I had to install. Maybe the recommendations stated in 3.3. Install build dependencies of INSTALL should be revised.

Best regards,

Jorge Tornero

P.D. By the way, the globe looks stable. It's a pity I run a laptop from 2006 and I can't take a lot of it, but it's so nice.

#### #10 - 2014-05-12 12:54 PM - Samuel Fernando Mesa Giraldo

Thanks Jorge, The solution was the installation of openscenegraph-plugin-osgearth package, I tested with QGIS 2.3 on Debian Jessie and working properly.

jtornero - wrote:

*For your information: I was about to file an issue about this, confirming the bug in KUBUNTU 14.04, trying to make a backtrace, etc, but I tried to see what packages I had installed in my system relative to globe plugin (mainly those related to openscenegraph and osgearth).*

*I realized that some packages were not installed and among them, one has popped out:*

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2014-05-07 23:09:33 status installed osgearth:i386 2.4.0+dfsg-6
2014-05-07 23:09:33 status installed osgearth-data:all 2.4.0+dfsg-6
2014-05-07 23:15:00 install freeglut3:i386 <none> 2.8.1-1
2014-05-07 23:15:00 status half-installed freeglut3:i386 2.8.1-1
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*This is what was not installed by default by following the building instructions from the file INSTALL of the qgis source (mainly applying what is stated in 3.3. Install build dependencies)*

*My system:*

*Kubuntu 14.04 LTS*

```
QGIS version  2.3.0-Master  QGIS code revision  b9f5477
Compiled against Qt  4.8.6  Running against Qt  4.8.6
Compiled against GDAL/OGR  1.10.1  Running against GDAL/OGR  1.10.1
Compiled against GEOS  3.4.2-CAPI-1.8.2  Running against GEOS  3.4.2-CAPI-1.8.2 r3921
```

PostgreSQL Client Version 9.3.4 SpatiaLite Version 4.1.1  
QWT Version 6.0.0-svn PROJ.4 Version 480  
QScintilla2 Version This copy of QGIS writes debugging output.  
OPENSCENEGRAPH: 3.2.0  
OSGEOGRAPH: 2.4.0+dfsg-6

I hope this could help you. By the way, and related to others bugs/issues reported regarding Kubuntu 14.04, I had several problems regarding python packages not installed by default which I had to install. Maybe the recommendations stated in 3.3. Install build dependencies of INSTALL should be revised.

Best regards,

Jorge Tornero

P.D. By the way, the globe looks stable. It's a pity I run a laptop from 2006 and I can't take a lot of it, but it's so nice.

#### #11 - 2015-06-21 11:58 PM - Anita Graser

- Affected QGIS version changed from 2.2.0 to 2.8.0

For QGIS 2.8, installing openscenegraph-plugin-osgearth on Ubuntu does not fix the issue for me anymore. Clicking the globe icon just causes a seg fault (core dump).

#### #12 - 2015-06-22 12:01 AM - Anita Graser

- Crashes QGIS or corrupts data changed from No to Yes

#### #13 - 2015-08-14 01:20 PM - Marco Bernasocchi

I just fixed some issues that caused segfaults. Now it is possible to build <https://github.com/manisandro/QGIS/tree/globe> on plain ubuntu 15.04.

at the moment you need to build without python bindings, I'll have a look at that later.

To build I have the following packages installed:

libosgearth-dev  
libosgearth3  
libosgearthannotation3  
libosgearthfeatures3  
libosgearthqt3  
libosgearthsymbolology3  
libosgearthutil3  
openscenegraph-plugin-osgearth  
osgearth

very important is to install openscenegraph-plugin-osgearth which is not a dependency of osgearth. if you don't install it you will get the crash reported in this bug.

#### #14 - 2015-12-23 08:14 AM - Bas Couwenberg

This issue was also reported in [Debian Bug #808817](#), since the crash is solved by having openscenegraph-plugin-osgearth installed the fix is to add the

dependency to qgis-plugin-globe.

I've pushed the fix included in the Debian GIS maintained packaging in [GitHub PR 2609](#)

**#15 - 2015-12-23 12:24 PM - Jürgen Fischer**

- *Status changed from Open to Closed*

Fixed in changeset commit:"13a5167b4350485f04dbb65aa5bce5d10f25d8a2".