

QGIS Application - Bug report #16790

QGIS fails to start on Ubuntu 16.10

2017-07-04 06:17 PM - Chris Barrington-Leigh

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Build/Install	
Affected QGIS version:	2.14.5	Regression?: No
Operating System:	Ubuntu 16.10	Easy fix?: No
Pull Request or Patch supplied:	no	Resolution: invalid
Crashes QGIS or corrupts data:	no	Copied to github as #: 24689
Description		
<p>On trying to launch QGIS (even after deleting/resetting my .qgis2 folder), I get the following (and no QGIS window):</p> <pre>\$ qgis Warning: loading of qgis translation failed [/usr/share/qgis/i18n//qgis_en_CA] Warning: loading of qt translation failed [/usr/share/qt4/translations/qt_en_CA] Warning: QCss::Parser - Failed to load file "/style.qss" Warning: QMetaObject::connectSlotsByName: No matching signal for on_wvDetails_linkClicked(QUrl) Warning: QVariantMap DBusMenuExporterDBus::getProperties(int, const QStringList&) const: Condition failed: action Warning: QVariantMap DBusMenuExporterDBus::getProperties(int, const QStringList&) const: Condition failed: action QH6248 qh_lib_check: Incorrect qhull library called. Caller uses reentrant Qhull while library is non-reentrant QH6249 qh_lib_check: Incorrect qhull library called. Size of qhT for caller is 8184, but for library is 2896. QH6255 qh_lib_check: Cannot continue. Library 'qhull 7.2.0 (2015.2 2016/01/18)' uses a dynamic qhT via qh_QHpointer (e.g., qhull_p.so)</pre>		

History

#1 - 2017-07-05 09:11 AM - Andre Joost

QGIS 2.14.5 is outdated (though in the official ubuntu repo).

Try <http://qgis.org/debian/> yakkety main instead to get 2.14.16 (LTR) or 2.18.10 (stable), see <https://www.qgis.org/de/site/forusers/alldownloads.html#debian-ubuntu>

#2 - 2017-07-05 09:26 AM - Giovanni Manghi

- Status changed from Open to Feedback

#3 - 2017-07-05 01:18 PM - Chris Barrington-Leigh

Andre Joost wrote:

QGIS 2.14.5 is outdated (though in the official ubuntu repo).

Actually, that version is the latest on the 16.10 Ubuntu release, so should be fully supported
In any case, I get exactly the same outcome after updating to the "QGIS - 2.18.10 'Las Palmas'" release and dependencies.

Previously, QGIS was working for me, so something has gone wrong.

#4 - 2017-07-05 01:22 PM - Giovanni Manghi

Chris Barrington-Leigh wrote:

Andre Joost wrote:

QGIS 2.14.5 is outdated (though in the official ubuntu repo).

Actually, that version is the latest on the 16.10 Ubuntu release, so should be fully supported

In any case, I get exactly the same outcome after updating to the "QGIS - 2.18.10 'Las Palmas'" release and dependencies.

Previously, QGIS was working for me, so something has gone wrong.

16.10 is not among the supported versions

<http://qgis.org/en/site/forusers/alldownloads.html#debian-ubuntu>

upgrade to 17.04 and I'm sure it will be ok.

Supported distribution versions:

Distribution	Version	Codename	Also available based on ubuntuqgis dependencies?
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Debian	8.x	jessie	
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testing	stretch		
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unstable	sid		
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Ubuntu	17.04	zesty [8]	
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16.04 (LTS)	xenial [5]	yes	
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14.04 (LTS)	trusty	yes	
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12.04 (LTS)	precise [6]	yes [7]	
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#5 - 2017-07-05 02:02 PM - Chris Barrington-Leigh

Giovanni Manghi wrote:

16.10 is not among the supported versions

I think 16.10 was supported when I installed it! It stopped working, with the errors I reported above.

The fact that I get the same errors with 2.18.10 was only meant to be helpful for diagnosis.

I cannot update my OS.

#6 - 2017-07-05 02:05 PM - Giovanni Manghi

I cannot update my OS.

then probably your best change to have a working qgis copy is to compile the code, is not really difficult on Ubuntu.

#7 - 2017-07-05 02:16 PM - Chris Barrington-Leigh

Thanks Giovanni. I was really hoping that someone might be able to help by interpreting the error messages I got.

#8 - 2017-07-08 11:12 AM - Andre Joost

Can you run `apt-cache policy libqhull7` ?

Version 2015.2-1 should be the current release.

#9 - 2017-07-09 11:11 PM - Chris Barrington-Leigh

Andre Joost wrote:

Can you run `apt-cache policy libqhull7` ?

Version 2015.2-1 should be the current release.

Yes, that is the version it reports.

#10 - 2017-07-09 11:13 PM - Chris Barrington-Leigh

SOLVED / workaround:

Here is what restored QGIS for me: (after reverting to the version 2.14 of QGIS which is supported by Ubuntu 16.10):

```
pip install --user scipy==0.11
```

ie reverse a recent upgrade of a Python package I'd made.

#11 - 2017-07-10 01:56 PM - Giovanni Manghi

- Status changed from Feedback to Closed

- Resolution set to invalid

#12 - 2017-09-21 10:09 PM - Chris Barrington-Leigh

Giovanni Manghi wrote:

upgrade to 17.04 and I'm sure it will be ok.

Incidentally, exactly the same problem occurs on Ubuntu 17.04. If I upgrade scipy, QGIS fails to launch.

#13 - 2018-04-09 02:05 PM - marisn -

Chris Barrington-Leigh wrote:

SOLVED / workaround:

Here is what restored QGIS for me: (after reverting to the version 2.14 of QGIS which is supported by Ubuntu 16.10):

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pip install --user scipy==0.11
```

| *ie reverse a recent upgrade of a Python package I'd made.*

This issue is caused by two incompatible components used by QGIS – gdal and scipy. After 0.11 scipy moved to "reentrant Qhull" version, but gdal seems to still use the "non-reentrant" version. As gdal is linked into QGIS, it makes QGIS linked to "non-reentrant" Qhull too. And at this moment scipy loads and is trying to use reentrant version of Qhull.

In short – although both gdal and scipy are fine on their own, mixing them together (in the current form) is a no go. Unfortunately my knowledge on shared library versioning is too low to propose a solution. The fact that both gdal and scipy come with their internal Qhull copies also does not help at all. As I can not roll back to scipy 0.11 (damn' fortran), only option for me is to disable any code importing scipy as --noplugins still loads plugins depending on scipy.