

QGIS Application - Bug report #5579

qgis-plugin-grass fails to install from nightly build on Ubuntu Precise

2012-05-11 07:53 PM - Kevin Kenny

Status: Closed	
Priority: Normal	
Assignee:	
Category: GRASS	
Affected QGIS version: master	Regression?: No
Operating System: Ubuntu	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: invalid
Crashes QGIS or corrupts data: No	Copied to github as #: 15159

Description

I've been updating from nightly builds to get a QGIS compatible with the Ubuntu Precise system libraries. The last time I attempted an update, I got a version conflict for grass641. I worked around the problem - at least to the extent of making QGIS run again without the plugin - by uninstalling the plugin.

On attempting to reinstall the plugin, the error is clearer.

```
~$ dpkg-query -p qgis-plugin-grass
```

```
Package: qgis-plugin-grass
```

```
Priority: extra
```

```
Section: science
```

```
Installed-Size: 2832
```

```
Maintainer: Quantum GIS developers <qgis-developer@lists.osgeo.org>
```

```
Architecture: i386
```

```
Source: qgis
```

```
Version: 1.9.90+git20120504+99d41cf~precise1
```

```
Depends: qgis (= 1.9.90+git20120504+99d41cf~precise1), qgis-plugin-grass-common (= 1.9.90+git20120504+99d41cf~precise1), libc6 (>= 2.15), libgcc1 (>= 1:4.1.1), libgdal1-1.7.0, libqgis1.8.0, libqt4-svg (>= 4:4.5.3), libqt4-xml (>= 4:4.5.3), libqtcore4 (>= 4:4.7.0~beta1), libqtgui4 (>= 4:4.8.0), libstdc++6 (>= 4.1.1), grass641
```

```
Size: 1757812
```

```
Description: GRASS plugin for Quantum GIS
```

```
Quantum GIS is a Geographic Information System (GIS) which manages, analyzes and display databases of geographic information.
```

```
.  
This plugin enables GRASS data access in the Quantum GIS geographic data viewer.
```

```
Homepage: http://qgis.org/  
$ sudo apt-get install qgis-plugin-grass
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
Some packages could not be installed. This may mean that you have requested an impossible situation or if you are using the unstable distribution that some required packages have not yet been created or been moved out of Incoming.
```

```
The following information may help to resolve the situation:
```

```
The following packages have unmet dependencies:
```

```
qgis-plugin-grass : Depends: grass641
```

```
E: Unable to correct problems, you have held broken packages.
```

Attempting to downgrade GRASS also fails - 6.4.2.2-precise1 appears to be the earliest version available from the regular servers.

Is there an alternative way to resolve this conflict short of building everything (QGIS, GDAL, GRASS, and perhaps even Qt) from source? Have I done something wrong in the specification of repositories to use?

History

#1 - 2012-05-12 01:36 AM - Giovanni Manghi

- Status changed from Open to Feedback

There are no yet packages for QGIS in the ubuntu/precise repository. If you want to install qgis-dev/1.8 in precise (with GRASS and the plugin) just use the nightly-build repository. You will find directions in the download page.

#2 - 2012-05-12 04:30 AM - Kevin Kenny

Uhm, I've been installing from the nightly build repository - as it says in the first line of the problem description. But grass641, unsurprisingly, isn't in the nightly build repository (it comes from osgeo.org, not qgis.org), and the nightly build requires a version of GRASS (6.4.1) that appears to be older than anything available for Ubuntu Precise from the ubuntu-unstable repository - which the installation instructions specifically state is required to retrieve GRASS to run the nightlies. The ubuntu-unstable repository appears to have GRASS 6.4.2.2.

Are you saying that I need to install the -dev package to run QGIS itself? That's a little peculiar. Most applications don't require you to install -dev if you're not planning to compile code for them.

I can't recall ever having asked for the plugin specifically, it came along for the ride when Synaptic installed QGIS. I see it's called out as a 'recommended' package, and I may have given Synaptic the go-ahead to install 'recommended' packages.

```
$ dpkg-query -p qgis
```

```
Package: qgis
```

```
Priority: extra
```

```
Section: science
```

```
Installed-Size: 10361
```

```
Maintainer: Quantum GIS developers <qgis-developer@lists.osgeo.org>
```

```
Architecture: i386
```

```
Version: 1.9.90+git20120509+d1cb3f3~precise1
```

```
Depends: libc6 (>= 2.4), libgcc1 (>= 1:4.1.1), libgdal1-1.7.0, libgsf0ldbl (>= 1.9), libpq5, libproj0, libqgis1.8.0, libqt4-network (>= 4:4.5.3), libqt4-sql (>= 4:4.5.3), libqt4-svg (>= 4:4.5.3), libqt4-xml (>= 4:4.5.3), libqtcore4 (>= 4:4.8.0), libqtgui4 (>= 4:4.8.0), libqtwebkit4 (>= 2.2~2011week36), libqwt5-qt4, libspatialite3 (>= 3.0.0~beta20110817), libsqlite3-0 (>= 3.5.9), libstdc++6 (>= 4.6), qgis-providers (= 1.9.90+git20120509+d1cb3f3~precise1), qgis-common (= 1.9.90+git20120509+d1cb3f3~precise1)
```

```
Recommends: qgis-plugin-globe, qgis-plugin-grass, python-qgis
```

```
Suggests: gpsbabel
```

```
Conflicts: uim-qt3
```

```
Size: 5783656
```

```
Description: Geographic Information System (GIS)
```

A Geographic Information System (GIS) manages, analyzes, and displays databases of geographic information. Quantum GIS (QGIS) supports shape file viewing and editing, spatial data storage with PostgreSQL/PostGIS, projection on-the-fly, map composition, and a number of other features via a plugin interface. QGIS also supports display of various georeferenced raster and Digital Elevation Model (DEM) formats including GeoTIFF, Arc/Info ASCII Grid,

and USGS ASCII DEM.

Homepage: <http://qgis.org/>

#3 - 2012-05-12 07:17 AM - Jürgen Fischer

Kevin Kenny wrote:

that appears to be older than anything available for Ubuntu Precise from the ubuntu-gis-unstable repository - which the installation instructions specifically state is required to retrieve GRASS to run the nightlies. The ubuntu-gis-unstable repository appears to have GRASS 6.4.2.2.

Please quote the misleading part of the installation instructions. The nightly builds don't use anything of ubuntu-gis and by installing GRASS from ubuntu-gis you actually mask ubuntu's GRASS version, that QGIS would need.

#4 - 2012-05-12 09:32 AM - Kevin Kenny

Thanks for your time, and sorry that I'm being too stupid to install this stuff.

In the nightly repository, I see the following packages.

libqgis-dev, libqgis-1.8.0, libqgis-1.9.90, python-qgis, python-qgis-common, qgis, qgis-api-doc, qgis-common, qgis-mapserver, qgis-plugin-globe, qgis-plugin-globe-common, qgis-plugin-grass, qgis-plugin-grass-common, qgis-providers, qgis-providers-common, qgis-sqlanywhere .

Attempting to install 'qgis' - including the 'recommended' packages as well as the 'required' ones - yields an error, because 'qgis-plugin-grass' has a dependency on 'grass641', which is nowhere to be found in the nightly repository.

Upon getting that error, I reviewed the download instructions at <https://issues.qgis.org/wiki/quantum-gis/Download> and saw a paragraph headed 'GRASS' in the 'Ubuntu' section:

GRASS

If you want the GRASS plugin make sure to install the optional package

```
sudo apt-get install qgis-plugin-grass
```

See <https://launchpad.net/~ubuntugis/+archive/ubuntu-gis-unstable> for more information.

And that cross reference is what pointed me to the ubuntu-gis-unstable archive. I had been aware of that archive before, because I'd found it necessary to use it to get a working QGIS on Oneiric. Upgrading to Precise, of course, had disabled use of the ubuntu-gis-unstable archive.

I do not see a 'grass341' package in any of the Ubuntu default archives: where is it that I am expected to find it?

#5 - 2012-05-12 10:09 AM - Jürgen Fischer

- Status changed from Feedback to Closed

- Resolution set to invalid

Kevin Kenny wrote:

GRASS

If you want the GRASS plugin make sure to install the optional package

sudo apt-get install qgis-plugin-grass

See <https://launchpad.net/~ubuntugis/+archive/ubuntuugis-unstable> for more information.

That is meant for the release versions only. The ubuntu versions are hosted on launchpad.

I do not see a 'grass341' package in any of the Ubuntu default archives: where is it that I am expected to find it?

The grass package in precise provides [grass641](#)

#6 - 2012-05-12 10:53 AM - Kevin Kenny

Problem was a corrupted package cache - manually uninstalling and reinstalling dependencies appears eventually to have fixed it.