

QGIS Application - Bug report #15431

qgis-providers / libspatialite packaging issue

2016-08-13 05:49 AM - Gavin Fleming

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Build/Install	
<b>Affected QGIS version:</b>	2.16.1	<b>Regression?:</b> No
<b>Operating System:</b>	ubuntu	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> not reproducible
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 23357
<b>Description</b>		
<p>I did an update of 2.16 and got this error. The system spatialite is v7 but qgis-providers still references v5</p> <p>Setting up qgis-providers (1:2.16.1+24xenial) ... /usr/lib/qgis/crssync: error while loading shared libraries: libspatialite.so.5: cannot open shared object file: No such file or directory dpkg: error processing package qgis-providers (--configure): subprocess installed post-installation script returned error exit status 127 Errors were encountered while processing: qgis-providers</p>		

History

#1 - 2016-08-13 07:24 AM - Jürgen Fischer

- Status changed from Open to Feedback

Not reproducible here.

```
# cat /etc/apt/sources.list
deb http://archive.ubuntu.com/ubuntu xenial main universe
deb http://qgis.org/debian xenial main
# apt-get install qgis
[...]
Setting up qgis-providers (1:2.16.1+24xenial) ...
Synchronizing CRS database with GDAL/PROJ definitions.
[...]
359 CRSs updated.
[...]
# dpkg -s qgis-providers | egrep "spatialite|Version"
Version: 1:2.16.1+24xenial
Depends: [...] libspatialite7 (>= 4.0.0), libsqlite3-0 (>= 3.5.9), libstdc++6 (>= 5.2)
# ldd /usr/lib/qgis/crssync | grep spatialite
libspatialite.so.7 => /usr/lib/x86_64-linux-gnu/libspatialite.so.7 (0x00007f4623818000)
```

The libspatialite.so.5 dependency probably comes from something qgis depends on which is outdated for some reason. It shouldn't be in xenial at all.

#2 - 2016-08-14 09:22 AM - Gavin Fleming

The problem arose after I upgraded from Ubuntu 14.04 to 16.04.

I have now managed to install QGIS (no problem with qgis-providers anymore) after I switched to ubuntu-gis-unstable and also purged all potential spatialite dependents and reinstalled.

Now QGIS starts but won't load gdal-tools [1] nor Processing [2]

I'm not seeing any option to reinstall or upgrade these plugins so I'm not sure how to solve this.

[1]

```
Unable to load GdalTools plugin.  
The required "osgeo [python-gdal]" module is missing.  
Install it and try again.
```

Note: I actually do have python-gdal installed

[2]

```
Couldn't load plugin 'processing'
```

```
ImportError: libspatialite.so.5: cannot open shared object file: No such file or directory
```

```
Traceback (most recent call last):
```

```
File "/usr/lib/python2.7/dist-packages/qgis/utils.py", line 308, in loadPlugin  
    __import__(packageName)  
File "/usr/lib/python2.7/dist-packages/qgis/utils.py", line 607, in __import  
    mod = _builtin_import(name, globals, locals, fromlist, level)  
File "/usr/share/qgis/python/plugins/processing/__init__.py", line 28, in  
    from processing.tools.dataobjects import *      # NOQA  
File "/usr/lib/python2.7/dist-packages/qgis/utils.py", line 607, in __import  
    mod = _builtin_import(name, globals, locals, fromlist, level)  
File "/usr/share/qgis/python/plugins/processing/tools/dataobjects.py", line 37, in  
    from processing.algs.gdal.GdalUtils import GdalUtils  
File "/usr/lib/python2.7/dist-packages/qgis/utils.py", line 607, in __import  
    mod = _builtin_import(name, globals, locals, fromlist, level)  
File "/usr/share/qgis/python/plugins/processing/algs/gdal/GdalUtils.py", line 32, in  
    from osgeo import gdal  
File "/usr/lib/python2.7/dist-packages/qgis/utils.py", line 607, in __import  
    mod = _builtin_import(name, globals, locals, fromlist, level)  
File "/usr/local/lib/python2.7/dist-packages/GDAL-2.0.0-py2.7-linux-x86_64.egg/osgeo/__init__.py", line 21, in  
    _gdal = swig_import_helper()  
File "/usr/local/lib/python2.7/dist-packages/GDAL-2.0.0-py2.7-linux-x86_64.egg/osgeo/__init__.py", line 17, in swig_import_helper  
    _mod = imp.load_module('_gdal', fp, pathname, description)  
ImportError: libspatialite.so.5: cannot open shared object file: No such file or directory
```

```
Python version: 2.7.12 (default, Jul 1 2016, 15:12:24) [GCC 5.4.0 20160609]
```

```
QGIS version: 2.16.1-Nødebo Nødebo, 8545b3b
```

```
Python Path:
```

```
/usr/share/qgis/python
```

```
/home/gavin/.qgis2/python
```

```
/home/gavin/.qgis2/python/plugins
/usr/share/qgis/python/plugins
/usr/lib/python2.7
/usr/local/lib/python2.7/dist-packages/GDAL-2.0.0-py2.7-linux-x86_64.egg
/usr/lib/python2.7
/usr/lib/python2.7/plat-x86_64-linux-gnu
/usr/lib/python2.7/lib-tk
/usr/lib/python2.7/lib-old
/usr/lib/python2.7/lib-dynload
/usr/local/lib/python2.7/dist-packages
/usr/lib/python2.7/dist-packages
/usr/lib/python2.7/dist-packages/PILcompat
/usr/lib/python2.7/dist-packages/gtk-2.0
/usr/lib/python2.7/dist-packages/wx-3.0-gtk2
/home/gavin/.qgis2/python
/home/gavin/.qgis2/python/plugins/StreamFeatureExtractor/third_party
```

### #3 - 2016-08-14 12:02 PM - Jürgen Fischer

Gavin Fleming wrote:

```
| ImportError: libspatialite.so.5: cannot open shared object file: No such file or directory"
```

Still some indirect dependency that still requires libspatialite.so.5

### #4 - 2017-01-04 05:08 AM - Giovanni Manghi

- *Category set to Build/Install*

I have seen that before, and I had a messed/mixed up packages. I removed anything that was related or a dependency of qgis or other spatial packages, re-installed and the problem was gone.

### #5 - 2017-03-06 10:09 AM - Giovanni Manghi

- *Resolution set to not reproducible*

- *Status changed from Feedback to Closed*

Closing for lack of feedback, please reopen if necessary.