

QGIS Application - Bug report #18430

Multiple extension and plugin bug QGIS3 osx

2018-03-13 12:12 PM - Arthur Vignacq

Status:	Feedback	
Priority:	Normal	
Assignee:		
Category:	mac_os_specific	
Affected QGIS version:	3.4.4	Regression?: No
Operating System:	macOS	Easy fix?: No
Pull Request or Patch supplied:	Applied:	Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 26319

Description

Hi,

I've installed QGIS3 from King Chaos today and found 5 different bug with:

- Mask extension
- nominatim extension
- QBano extension
- cartogram3 extension
- db\_manager

The one most annoying is db\_manager as I can't use spatialite with this error.

Une erreur est survenue lors de l'exécution du code Python:

```
AttributeError: 'sqlite3.Connection' object has no attribute 'enable_load_extension'
```

Traceback (most recent call last):

```
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_model.py", line 441, in rowCount
    self._refreshIndex(parent, True)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_model.py", line 490, in
_refreshIndex
    if item.populate():
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_model.py", line 167, in populate
    if not connection.connect():
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line
80, in connect
    return self.connectToUri(uri)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 109, in
connectToUri
    self.db = self.databasesFactory(self, uri)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line
66, in databasesFactory
    return SLDatabase(connection, uri)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line
109, in __init__
    Database.__init__(self, connection, uri)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 218, in
__init__
    self.connector = self.connectorsFactory(uri)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line
112, in connectorsFactory
    return SpatialLiteDBConnector(uri)
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/connector.py",
```

```
line 51, in __init__
    self.connection = spatialite_connect(self._connectionInfo())
File "/Applications/QGIS 3.app/Contents/MacOS/../Resources/python/qgis/utils.py", line 596, in spatialite_connect
    con.enable_load_extension(True)
AttributeError: 'sqlite3.Connection' object has no attribute 'enable_load_extension'
```

Version de Python : 3.6.4 (v3.6.4:d48eeced5, Dec 18 2017, 21:07:28) [GCC 4.2.1 (Apple Inc. build 5666) (dot 3)]  
Version de QGIS : 3.0.0-Girona Girona, exported

Chemin Python :

- /Applications/QGIS 3.app/Contents/MacOS/../Resources/python
- /Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python
- /Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins
- /Applications/QGIS 3.app/Contents/MacOS/../Resources/python/plugins
- /Library/Frameworks/GEOS.framework/Versions/3B/Python/3.6/site-packages
- /Library/Frameworks/GDAL.framework/Versions/2.2/Python/3.6/site-packages
- /Library/Frameworks/Python.framework/Versions/3.6/lib/python36.zip
- /Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6
- /Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/lib-dynload
- /Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-packages
- /Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python
- /Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins/mmqgis/forms

## History

### #1 - 2018-03-13 12:14 PM - Jürgen Fischer

- Category changed from Python plugins to Build/Install

### #2 - 2018-03-13 12:14 PM - Jürgen Fischer

- Description updated

### #3 - 2018-03-28 11:35 AM - Steven Kay

Arthur Vignacq wrote:

Hi,  
I've installed QGIS3 from King Chaos today and found 5 different bug with: - Mask extension

- nominatim extension
- QBano extension
- cartogram3 extension
- db\_manager

The one most annoying is db\_manager as I can't use spatialite with this error.

[...]

I had a look into the SQLite support issue - this affects the KyngChaos build as of 3.0.0-3 (I've not tried this using brew). See <https://gis.stackexchange.com/a/277071/55203>.

The browser panel can still be used to add Spatialite/SQLite/GPKG, perhaps as this is using C++/GDAL rather than Python?

It seems that on the Mac, the standard python spatialite3 build is not compiled with loadable extension support as standard. See

I could reproduce this outside of QGIS in standalone python using the standard Mac python 3.6, but the equivalent Brew-installed version works fine.

#### #4 - 2018-05-21 04:48 PM - Ronan L

3.0.2 version from qgis.org has the same behaviour.

the problem comes with python 3 from python.org , enable\_load\_extensions is not compiled in . And because QGIS IS linked to this there is no way to use spatialite with python.

Also there is no way to user brewed python3 with QGIS 3

#### #5 - 2018-06-14 09:42 AM - Arthur Vignacq

Tested again with version 3.0.3 same problem.

Does anyone hava a solution to enable load extesion within pythn 3.6 and get rid of this.

I don't know how many people can't use database function because of this.

#### #6 - 2018-06-25 03:56 PM - Harrissou Santanna

- Status changed from Open to Feedback

Would this workaround help: [https://www.kyngchaos.com/blog/2018/20180406\\_qgis\\_tools\\_processing\\_workaround?](https://www.kyngchaos.com/blog/2018/20180406_qgis_tools_processing_workaround?)

#### #7 - 2018-06-27 04:00 PM - Arthur Vignacq

Thank you, I already tried it, but nothing new with this :

```
AttributeError: 'sqlite3.Connection' object has no attribute 'enable_load_extension'
```

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

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_model.py", line 441, in rowCount
```

```
    self._refreshIndex(parent, True)
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_model.py", line 490, in _refreshIndex
```

```
    if item.populate():
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_model.py", line 167, in populate
```

```
    if not connection.connect():
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line 80, in connect
```

```
    return self.connectToUri(uri)
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 109, in connectToUri
```

```
    self.db = self.databasesFactory(self, uri)
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line 66, in
```

```
databasesFactory
```

```
    return SLDatabase(connection, uri)
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line 109, in __init__
```

```
    Database.__init__(self, connection, uri)
```

```
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 218, in __init__
```

```
    self.connector = self.connectorsFactory(uri)
```

```

File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line 112, in
connectorsFactory
    return SpatialLiteDBConnector(uri)
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/connector.py", line 51, in
__init__
    self.connection = spatialite_connect(self._connectionInfo())
File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/qgis/utils.py", line 596, in spatialite_connect
    con.enable_load_extension(True)
AttributeError: 'sqlite3.Connection' object has no attribute 'enable_load_extension'

```

Python version: 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 03:03:55) [GCC 4.2.1 (Apple Inc. build 5666) (dot 3)]  
 QGIS version: 3.0.3-Girona Girona, exported

Python Path:

```

/Applications/QGIS3.app/Contents/MacOS/../Resources/python
/Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python
/Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins
/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins
/Library/Frameworks/Python.framework/Versions/3.6/lib/python36.zip
/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6
/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/lib-dynload
/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-packages
/Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python
/Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins/DigitizingTools/tools
/Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins/mmqgis/forms
/Users/arthur/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins/NNJoin

```

#### #8 - 2018-08-25 05:30 PM - Giovanni Manghi

Any difference with 3.2/master?

#### #9 - 2018-12-23 08:24 AM - Linwood Creekmore

I can confirm that the latest QGIS on Mac as of 22 December still has the DB Manager problem with Spatialite. I can't open or filter any spatialite files in QGIS and get the "extension" error referenced above. line 595 in the utils.py code.

I can't get Python to build on my Mac OS (running Sierra) so this seems like a lingering issue for lots of folks.

#### #10 - 2018-12-27 01:19 PM - Linwood Creekmore

- File *extensionLineMac.png* added
- File *pythonSoftwareSqlite.png* added

Linwood Creekmore wrote:

*I can confirm that the latest QGIS on Mac as of 22 December still has the DB Manager problem with Spatialite. I can't open or filter any spatialite files in QGIS and get the "extension" error referenced above. line 595 in the utils.py code.*

*I can't get Python to build on my Mac OS (running Sierra) so this seems like a lingering issue for lots of folks.*

I searched around and found the exact line in the Python Source distribution that causes the problem. According to the python.org page on sqlite3 (<https://docs.python.org/2/library/sqlite3.html#multithreading>), you need to delete a line from the setup.py file for your Python distribution. We need to delete line 1244 and rebuild python I assume. Others can try as well and report back. If I'm successful, will let you know.

I added to pictures to show the line and the instructions from python.org.

#11 - 2019-02-12 09:29 AM - bradypus -

Hello,  
it is still **not** working on: 3.4.4-Madeira  
Some more info:

QGIS code branch: Release 3.4  
Compiled against Qt: 5.11.2  
Running against Qt: 5.11.2  
Compiled against GDAL/OGR:2.3.3  
Running against GDAL/OGR: 2.3.3  
Compiled against GEOS: 3.7.1-CAPI-1.11.0  
Running against GEOS: 3.7.1-CAPI-1.11.1 27a5e771  
PostgreSQL Client Version: 9.6.10  
SpatiaLite Version: 4.4.0-RC1  
QWT Version: 6.1.3  
QScintilla2 Version: 2.10.8  
PROJ.4 Version: 493

#12 - 2019-03-09 04:55 PM - Giovanni Manghi

- Operating System changed from OSX to macOS
- Category changed from Build/Install to mac\_os\_specific
- Affected QGIS version changed from 3.0.0 to 3.4.4

Please try with a new/clean profile.

Files			
extensionLineMac.png	158 KB	2018-12-27	Linwood Creekmore
pythonSoftwareSqlite.png	162 KB	2018-12-27	Linwood Creekmore