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:		**Resolution:**	
Crashes QGIS or corrupts data:	No	**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'éxécution 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 SpatiaLiteDBConnector(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:d48ecebad5, 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?

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

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

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  File "/Applications/QGIS3.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/spatialite/plugin.py", line 80, in connect
    return self.connectToUri(uri)
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    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__
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   return SpatiaLiteDBConnector(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