QGIS Application - Bug report #16720
Pyspatialite in QGIS 3 crash

2017-06-19 09:23 AM - Hugo Mercier

Status:	Closed			
Priority:	High			
Assignee:				
Category:	Python bindings / sipify			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:	No	**Resolution:**		
Crashes QGIS or corrupts data:	Yes	**Copied to github as #:**	24619	

Description

To reproduce, in a Python console:

```
from pyspatialite import dbapi2
conn = dbapi2.connect("")
cur = conn.cursor()
cur.execute("select * from whatever")
```

Crash report:

h2. User Feedback

h2. Report Details

Crash ID: 69b1a2351fc0e2533da4af70098845753375fea9

Stack Trace
((unknown module)) _pysqlite_query_execute (unknown file):(unknown line)
(python36) PyCFunction_FastCallDict (unknown file):(unknown line)
(python36) PyObject_GenericGetAttr (unknown file):(unknown line)
(python36) PyEval_EvalFrameDefault (unknown file):(unknown line)
(python36) PyErr_Occurred (unknown file):(unknown line)
(python36) PyEval_EvalCode (unknown file):(unknown line)
(python36) PyDict_SetItemId (unknown file):(unknown line)
(python36) PyDict_SetItemId (unknown file):(unknown line)
(python36) PyCFunction_FastCallDict (unknown file):(unknown line)
(python36) PyObject_GenericGetAttr (unknown file):(unknown line)
(python36) PyEval_EvalFrameDefault (unknown file):(unknown line)
(python36) PyObject_GenericGetAttr (unknown file):(unknown line)
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(python36) PyObject_GenericGetAttr (unknown file):(unknown line)

(python36) PyEval_EvalFrameDefault (unknown file):(unknown line)
(python36) PyFunction_FastCallDict (unknown file):(unknown line)
(python36) PyObject_CallFunctionObjArgs (unknown file):(unknown line)
(python36) PyObject_Call (unknown file):(unknown line)
((unknown module)) PyInit_sip (unknown file):(unknown line)
((unknown module)) PyInit_Qsci (unknown file):(unknown line)
(Qt5Widgets) QWidget::event (unknown file):(unknown line)
(Qt5Widgets) QFrame::event (unknown file):(unknown line)
(Qt5Widgets) QAbstractScrollArea::event (unknown file):(unknown line)
((unknown module)) PyInit_Qsci (unknown file):(unknown line)
(Qt5Widgets) QApplicationPrivate::notify_helper (unknown file):(unknown line)
(Qt5Widgets) QApplication::notify (unknown file):(unknown line)
((unknown module)) QgsApplication::notify (unknown file):(unknown line)
(Qt5Core) QCoreApplication::notifyInternal2 (unknown file):(unknown line)
(Qt5Widgets) QSizePolicy::QSizePolicy (unknown file):(unknown line)
(Qt5Widgets) QSizePolicy::QSizePolicy (unknown file):(unknown line)
(Qt5Widgets) QApplicationPrivate::notify_helper (unknown file):(unknown line)
(Qt5Widgets) QApplication::notify (unknown file):(unknown line)
((unknown module)) QgsApplication::notify (unknown file):(unknown line)
(Qt5Core) QCoreApplication::notifyInternal2 (unknown file):(unknown line)
((unknown module)) QGuiApplicationPrivate::processKeyEvent (unknown file):(unknown line)
((unknown module)) QWindowSystemInterface::sendWindowSystemEvents (unknown file):(unknown line)
(Qt5Core) QEventDispatcherWin32::processEvents (unknown file):(unknown line)
((unknown module)) CallWindowProcW (unknown file):(unknown line)
((unknown module)) DispatchMessageW (unknown file):(unknown line)
(Qt5Core) QEventDispatcherWin32::processEvents (unknown file):(unknown line)
((unknown module)) qt_plugin_query_metadata (unknown file):(unknown line)
(Qt5Core) QEventLoop::exec (unknown file):(unknown line)
(Qt5Core) QCoreApplication::exec (unknown file):(unknown line)
((unknown module)) main (unknown file):(unknown line)
((unknown module)) WinMain (unknown file):(unknown line)
((unknown module)) __scrt_common_main_seh (unknown file):(unknown line)
((unknown module)) BaseThreadInitThunk (unknown file):(unknown line)
((unknown module)) RtlUserThreadStart (unknown file):(unknown line)

Plugins

Project Info

QGIS Info
QGIS Version: 2.99.0-Master
QGIS code revision: c69c596
Compiled against Qt: 5.7.1
Running against Qt: 5.7.1
Compiled against GDAL: 2.2.0
Running against GDAL: 2.2.0

System Info
CPU Type: x86_64
Kernel Type: winnt
Kernel Version: 10.0.14393

History

#1 - 2017-06-19 10:29 AM - Giovanni Manghi

- *Priority changed from Normal to High*

#2 - 2017-07-04 05:00 PM - Hugo Mercier

- *Operating System deleted (Windows)*

- *Category changed from Windows Package to Python bindings / sipify*

- *Assignee deleted (Jürgen Fischer)*

Reproduced also on Linux with WITH_INTERNAL_PYSPATIALITE, not specific to Windows

#3 - 2017-08-09 04:43 PM - Jürgen Fischer

- *Subject changed from Pyspatialite in QGIS 3 crash on Windows to Pyspatialite in QGIS 3 crash*

#4 - 2017-10-31 03:25 PM - gcarrillo -

- *Status changed from Open to Closed*

This was fixed with the help of Jürgen F.

See commit:6402160526e3176d1d41f422d6ecab59aa7ac68d, commit:6415fad07281367ddb628520cb93c9d191fbeaef, and commit:e52378094513a27be87ab837526fa27910ec2c76

#5 - 2017-11-02 06:42 PM - Andreas Kositz

gcarrillo - wrote:

> *This was fixed with the help of Jürgen F.*
>
> *See commit:6402160526e3176d1d41f422d6ecab59aa7ac68d, commit:6415fad07281367ddb628520cb93c9d191fbeaef, and*
> *commit:e52378094513a27be87ab837526fa27910ec2c76*

Does fixed mean, pyspatialite was removed? How do I access or create SpatiaLite Layer using Python without pySpatialite? Sqlite3 does not provide any functionality.

#6 - 2017-11-03 01:13 AM - Jürgen Fischer

Andreas Kositz wrote:

> *Does fixed mean, pyspatialite was removed? How do I access or create SpatiaLite Layer using Python without pySpatialite? Sqlite3 does not*
> *provide any functionality.*

Yes. Load the extension (see commit:6402160526e3176d1d41f422d6ecab59aa7ac68d).

#7 - 2017-11-03 04:50 PM - Andreas Kositz

I am very sorry, but what is meant by "load the extension"?

My old way was:

from pyspatialite import dbapi2 as sqlite

con = sqlite.connect(db_path)

The assumed new way is:

import sqlite3

con = sqlite3.dbapi2.connect(db_path)

con.enable_load_extension(True)

conn.execute("SELECT load_extension('mod_spatialite')")

Which does not work.

Loading any Spatialite-DB in the DB-Manager is also not possible anymore, which seems a little related.

@Jürgen Fischer & gcarillo, thanks for the effort, works now!

#8 - 2017-11-03 11:35 PM - gcarrillo -

Andreas, see my answer to your question at GIS.SE: https://gis.stackexchange.com/a/260679/4972