

QGIS Application - Bug report #13166

Loading a shapefile from a standalone script now crashes if no QApplication has been created

2015-07-28 07:41 AM - Alessandro Pasotti

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Data Provider	
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 #: 21229
Description		
The suggested skeleton for pyqgis standalone scripts was: <pre>#!/usr/bin/env python # -*- coding: utf-8 -*- from qgis.core import * QgsApplication.setPrefixPath("/usr", True) QgsApplication.initQgis() # Uncomment to remove crash #import sys #from PyQt4 import QtGui #app = QtGui.QApplication(sys.argv) # Crashes in QgsOgrProvider ctor layer = QgsVectorLayer('my.shp', 'my', 'ogr') print layer.isValid()</pre> Now this example crashes in QgsOgrProvider constructor, unless a QApplication exists. I'm sure this was not the case in 2.8 and previous versions. I'm not sure that this is a bug. If it isn't, the documentation should be changed to indicate that a QApplication is always needed, even when the script is not to be run interactively or does not use any GUI classes, this would mean that there will be no more two different kind of pyQGIS standalone applications: standalone scripts (no GUI, no QApplication needed) and standard PyQt QApplication style applications.		

Associated revisions

Revision f528cb80 - 2015-07-28 05:39 PM - Jürgen Fischer

fix connection pool crash without qapplication (fixes #13166)

Revision b1388a56 - 2015-07-28 08:00 PM - Jürgen Fischer

fix connection pool crash without qapplication (fixes #13166)

(cherry picked from commit f528cb80df7391435aebf47ffb73e4f4081c0ab7)

History

#1 - 2015-07-28 07:55 AM - Alessandro Pasotti

- *Crashes QGIS or corrupts data changed from No to Yes*

Some more informations when debugging on master:

```
#0 QObject::thread (this=0x0) at kernel/qobject.cpp:1370
#1 0x00007fffd5c58f8b in QgsConnectionPoolGroup<QgsOgrConn*>::initTimer(QObject*) () from
/home/ale/apps/lib/qgis/plugins/libogrprovider.so
#2 0x00007fffd5c58135 in QgsOgrConnPoolGroup::QgsOgrConnPoolGroup(QString) () from /home/ale/apps/lib/qgis/plugins/libogrprovider.so
#3 0x00007fffd5c58252 in QgsOgrConnPool::ref(QString const&) () from /home/ale/apps/lib/qgis/plugins/libogrprovider.so
#4 0x00007fffd5c583b4 in QgsOgrConnPool::refS(QString const&) () from /home/ale/apps/lib/qgis/plugins/libogrprovider.so
#5 0x00007fffd5c47cb4 in QgsOgrProvider::QgsOgrProvider(QString const&) () from /home/ale/apps/lib/qgis/plugins/libogrprovider.so
#6 0x00007fffd5c5322b in classFactory () from /home/ale/apps/lib/qgis/plugins/libogrprovider.so
#7 0x00007ffff4f69bf9 in QgsProviderRegistry::provider(QString const&, QString const&) () from /usr/lib/libqgis_core.so.2.10.1
#8 0x00007ffff4fb5896 in QgsVectorLayer::setDataProvider(QString const&) () from /usr/lib/libqgis_core.so.2.10.1
#9 0x00007ffff4fb612e in QgsVectorLayer::setDataSource(QString, QString, QString, bool) () from /usr/lib/libqgis_core.so.2.10.1
#10 0x00007ffff4fb73cf in QgsVectorLayer::QgsVectorLayer(QString, QString, QString, bool) () from /usr/lib/libqgis_core.so.2.10.1
#11 0x00007ffff602ba85 in sipQgsVectorLayer::sipQgsVectorLayer(QString, QString, QString, bool) () from
/usr/lib/python2.7/dist-packages/qgis/_core.so
```

#2 - 2015-07-28 08:41 AM - Jürgen Fischer

- *Status changed from Open to Closed*

Fixed in changeset commit:"f528cb80df7391435aebf47ffb73e4f4081c0ab7".