

QGIS Application - Bug report #20241

Crashes on QGIS3 app quit, but also from python when creating ref using QgsApplication

2018-10-27 11:13 PM - John Harrop

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Python bindings / sipify	
Affected QGIS version:	3.2.3	Regression?: No
Operating System:	Mac OSX 10.3.6	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: no timely feedback
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 28062
Description		
QGIS3 app seems to run fine and saves work. But when I come to close it consistently crashes. Running on Mac OSX 10.3.6 I've taken out all plugins. I uninstalled QGIS and reinstalled. I've also taken out potentially conflicting pythons so the only 3 version is 3.6.6 and I've uninstalled QT so it could be reinstalled by QGIS the way it wanted. The messages seemed to suggest there was a problem with QT. Here is the dump (but also look below, the message from the standalone python code might be more useful): Process: QGIS [1372] Path: /Applications/QGIS3.app/Contents/MacOS/QGIS Identifier: org.qgis.qgis3 Version: 3.2.3 (3.2.3 [exported]) Code Type: X86-64 (Native) Parent Process: ??? [1] Responsible: QGIS [1372] User ID: 501 Date/Time: 2018-10-27 14:02:54.396 -0700 OS Version: Mac OS X 10.13.6 (17G65) Report Version: 12 Anonymous UUID: FBF32117-62BF-61F8-B162-45CD0680355D Time Awake Since Boot: 4300 seconds System Integrity Protection: enabled Crashed Thread: 0 Dispatch queue: com.apple.main-thread Exception Type: EXC_BAD_ACCESS (SIGSEGV) Exception Codes: KERN_INVALID_ADDRESS at 0x000000000000001c Exception Note: EXC_CORPSE_NOTIFY Termination Signal: Segmentation fault: 11 Termination Reason: Namespace SIGNAL, Code 0xb Terminating Process: exc handler [0] VM Regions Near 0x1c:		

```
-->
__TEXT      00000001087b0000-0000000108c16000 [ 4504K] r-x/rwx SM=COW
/Applications/QGIS3.app/Contents/MacOS/QGIS

Thread 0 Crashed:: Dispatch queue: com.apple.main-thread
0  org.qgis.qgis3_gui      0x0000000109a466e4 QgsFloatingWidget::onAnchorPointChanged() + 124
1  org.qt-project.QtCore   0x0000000111fd244b QMetaObject::activate(QObject*, int, int, void**) + 2347
2  org.qgis.qgis3_gui      0x0000000109a46c17 QgsFloatingWidgetEventFilter::eventFilter(QObject*, QEvent*) + 21
3  org.qt-project.QtCore   0x0000000111fa1d42 QCoreApplicationPrivate::sendThroughObjectEventFilters(QObject*, QEvent*) +
210
4  org.qt-project.QtWidgets 0x000000010ea6bb6d QApplicationPrivate::notify_helper(QObject*, QEvent*) + 285
5  org.qt-project.QtWidgets 0x000000010ea6ce9f QApplication::notify(QObject*, QEvent*) + 383
6  org.qgis.qgis3_core      0x000000010a9b9ba1 QgsApplication::notify(QObject*, QEvent*) + 93
7  org.qt-project.QtCore   0x0000000111fa1a7f QCoreApplication::notifyInternal2(QObject*, QEvent*) + 159
8  org.qt-project.QtWidgets 0x000000010eac6b9f 0x10ea5a000 + 445343
9  org.qt-project.QtWidgets 0x000000010eac4d45 0x10ea5a000 + 437573
10 org.qt-project.QtWidgets 0x000000010ea6bb82 QApplicationPrivate::notify_helper(QObject*, QEvent*) + 306
11 org.qt-project.QtWidgets 0x000000010ea6ce9f QApplication::notify(QObject*, QEvent*) + 383
12 org.qgis.qgis3_core      0x000000010a9b9ba1 QgsApplication::notify(QObject*, QEvent*) + 93
13 org.qt-project.QtCore   0x0000000111fa1a7f QCoreApplication::notifyInternal2(QObject*, QEvent*) + 159
14 org.qt-project.QtGui     0x00000001117a585d
QGuiApplicationPrivate::processGeometryChangeEvent(QWindowSystemInterfacePrivate::GeometryChangeEvent*) + 333
15 org.qt-project.QtGui     0x000000011178928b
QWindowSystemInterface::sendWindowSystemEvents(QFlags<QEventLoop::ProcessEventsFlag>) + 155
16 org.qt-project.QtGui     0x0000000111785060
QWindowSystemInterface::flushWindowSystemEvents(QFlags<QEventLoop::ProcessEventsFlag>) + 576
17 libqcocoa.dylib         0x0000000114a9c1be 0x114a80000 + 115134
18 org.qt-project.QtCore   0x0000000111faba7c QMetaMethod::invoke(QObject*, Qt::ConnectionType,
QGenericReturnArgument, QGenericArgument, QGenericArgument, QGenericArgument, QGenericArgument, QGenericArgument,
QGenericArgument, QGenericArgument, QGenericArgument, QGenericArgument, QGenericArgument) const + 1308
19 libqcocoa.dylib         0x0000000114a997e9 0x114a80000 + 104425
20 com.apple.Foundation     0x00007fff4d100640 + 303
21 com.apple.CoreFoundation 0x00007fff4aff2edc CFNOTIFICATIONCENTER_IS_CALLING_OUT_TO_AN_OBSERVER + 12
22 com.apple.CoreFoundation 0x00007fff4aff2daa CFXRegistrationPost + 458
23 com.apple.CoreFoundation 0x00007fff4aff2ae1 __CFXNotificationPost_block_invoke + 225
24 com.apple.CoreFoundation 0x00007fff4afb0880 __CFXNotificationRegistrar_find_object_observer:enumerator:] + 1664
25 com.apple.CoreFoundation 0x00007fff4afaf9b7 __CFXNotificationPost + 599
26 com.apple.AppKit         0x00007fff485a135b [-NSView _postFrameChangeNotification] + 314
27 com.apple.AppKit         0x00007fff4859b87b [-NSView setFrameSize:] + 2061
28 com.apple.AppKit         0x00007fff485b1b1e [-NSView setFrame:] + 371
29 com.apple.AppKit         0x00007fff485bc49c [-NSThemeFrame _relayLayoutAuxiliaryViewsOfType:] + 163
30 com.apple.AppKit         0x00007fff485bc3e6 [-NSThemeFrame relayLayoutAuxiliaryViewsOfType:] + 27
31 com.apple.AppKit         0x00007fff488e7237 [-NSTitlebarViewController removeChildViewControllerAtIndex:] + 431
32 com.apple.AppKit         0x00007fff48dd62c6 [-NSWindowStackController _removeTabBarAccessoryViewControllerForWindow:]
+ 213
33 com.apple.AppKit         0x00007fff48dd7162 [-NSWindowStackController removeWindow:] + 277
34 com.apple.AppKit         0x00007fff4896097d [-NSWindow(NSWindowTabbing) _doTabbedWindowCleanupForOrderOut] + 97
35 com.apple.AppKit         0x00007fff48e4d03d __79[NSWindow
_reallyDoOrderWindowOutRelativeTo:findKey:forCounter:force:isModal:]_block_invoke + 62
36 com.apple.AppKit         0x00007fff4869dc0c NSPerformVisuallyAtomicChange + 146
37 com.apple.AppKit         0x00007fff48e4ccbc [-NSWindow
_reallyDoOrderWindowOutRelativeTo:findKey:forCounter:force:isModal:] + 340
38 com.apple.AppKit         0x00007fff486a58ec [-NSWindow _reallyDoOrderWindow:relativeTo:findKey:forCounter:force:isModal:] +
```

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39 com.apple.AppKit      0x00007fff486a4765 -[NSWindow _doOrderWindow:relativeTo:findKey:forCounter:force:isModal:] + 287
40 com.apple.AppKit      0x00007fff486a45cb -[NSWindow orderWindow:relativeTo:] + 169
41 libqcocoa.dylib       0x0000000114a93860 0x114a80000 + 79968
42 org.qt-project.QtGui   0x00000001117ae3b9 QWindow::setVisible(bool) + 1113
43 org.qt-project.QtWidgets 0x000000010eaa2976 QWidgetPrivate::hide_sys() + 214
44 org.qt-project.QtWidgets 0x000000010eaa51f7 QWidgetPrivate::hide_helper() + 183
45 org.qt-project.QtWidgets 0x000000010eaa5659 QWidget::setVisible(bool) + 281
46 org.qt-project.QtWidgets 0x000000010ea948a2 QWidgetPrivate::close_helper(QWidgetPrivate::CloseMode) + 274
47 org.qt-project.QtWidgets 0x000000010ea9438b QWidget::~QWidget() + 699
48 libqgis_app.3.2.3.dylib 0x0000000108c731f0 QgisApp::~QgisApp() + 2194
49 libqgis_app.3.2.3.dylib 0x0000000108c73622 QgisApp::~QgisApp() + 14
50 org.qgis.qgis3         0x00000001087c2a89 main + 22445
51 libdyld.dylib          0x00007fff72e28015 start + 1

```

When I run the following code I get a crash:

```
from qgis.core import *
```

1. supply path to qgis install location
print('Nothing yet...')

```
QgsApplication.setPrefixPath("/Applications/QGIS3.app/Contents/MacOS", True)
print('Finished first call to QGIS...')
```

1. create a reference to the QgsApplication, setting the # second argument to False disables the GUI
qgs = QgsApplication([], False) <--- THIS CRASHES with the messages below
print('About to init QGIS...')

1. load providers
qgs.initQgis()

```
print('Got QGIS up...')
str = input('Waiting for input...')
```

1. Write your code here to load some layers, use processing
2. algorithms, etc.

1. When your script is complete, call exitQgis() to remove the
2. provider and layer registries from memory

```
qgs.exitQgis()
```

Output from the python crash:

```
John-Harrops-MacBook-Pro:Intro john$ python3 connect.py
```

```
Nothing yet...
```

```
Finished first call to QGIS...
```

```
This application failed to start because it could not find or load the Qt platform plugin "cocoa"
in "".
```

Reinstalling the application may fix this problem.

Abort trap: 6

Do you want the dump as well?

Thanks,

John

History

#1 - 2018-10-28 09:28 PM - Giovanni Manghi

- *Category changed from Unknown to mac_os_specific*
- *Status changed from Open to Feedback*

Try 3.4, try also with a new/clean profile.

#2 - 2018-10-30 08:06 PM - John Harrop

Thanks for your comments.

1) I tried a clean profile and it did not make any difference that I could see. (Meaning the crash still seemed to be for the same cause.)

2) As far as I can see 3.4 is not yet available for Mac OSX. I'm looking forward to trying this when it is available.

I was hoping that the message from when I'm running standalone python and trying to connect to QGIS might be helpful. The "missing plugin" might suggest a messed up path somewhere but I'm struggling to find where that would be. Perhaps I should have reported the QGIS app and python API crashes as separate bugs, but I was suspicious that they are related and I thought that disconnecting the information might not help.

#3 - 2018-10-31 05:37 AM - John Harrop

I see 3.4 is available now for Mac OSX. Tried that and neither problem has changed.

I've looked through the installation and the plugin support seems to be in the right places in the app contents, so I'm still not sure why QT cocoa is failing to be found.

#4 - 2018-10-31 10:15 AM - Giovanni Manghi

- *Category changed from mac_os_specific to Python bindings / sipify*

You should ask in the developers mailing list if your code is ok.

#5 - 2018-11-01 07:52 PM - David Todd

John Harrop wrote:

I see 3.4 is available now for Mac OSX. Tried that and neither problem has changed.

I've looked through the installation and the plugin support seems to be in the right places in the app contents, so I'm still not sure why QT cocoa is failing to be found.

John, I've had that QT error in python before (see <http://osgeo-org.1560.x6.nabble.com/QGIS-3-Standalone-Python-Script-td5373335.html#a5373573> for answer from William Kyngesbury). As an example, see if the first 20 lines from this gist work for you -

https://gist.github.com/dmofot/94345126db10660053ccfb0d76a1e32a#file-qgis3_standalone_osx-py-L1-L20

#6 - 2018-11-08 01:31 PM - Giovanni Manghi

Please try on QGIS 3.4.1, if the issue is still valid change the affected version, thanks.

#7 - 2019-02-11 04:15 AM - Nyall Dawson

- *Resolution set to no timely feedback*

- *Status changed from Feedback to Closed*