

# QGIS Application - Bug report #20535

## QCA init crash with bundled Qt AND installed Qt

2018-11-18 12:46 AM - William Kyngesburye

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> mac_os_specific	
<b>Affected QGIS version:</b> 3.4.1	<b>Regression?:</b> No
<b>Operating System:</b> macOS	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 28355

### Description

An old problem, new life, or maybe a new problem. When Qt is bundled in the Mac app package (standard distribution method), and the installed Qt is present (the Qt path used in compilation), QGIS immediately crashes on startup trying to initialize QCA. It's trying to load Qt plugins from the installed Qt, as well as the QGIS plugins folder, and then loading a 2nd set of Qt libraries.

This is the backtrace of the crash:

Thread 0 Crashed:: Dispatch queue: com.apple.main-thread

```
0 org.qt-project.QtCore      0x0000000116ee0aa0 QMutex::lock() + 16
1                          0x000000011bbc9b71 QCA::Global::get_logger() + 27
2 libqca-softstore.dylib    0x000000011bcf8b83 softstoreProvider::features() const + 21
3                          0x0000000109e2a654 QCA::ProviderManager::allFeatures() const + 204
4                          0x0000000109deb34c QCA::supportedFeatures() + 89
5 org.qgis.qgis3_core       0x0000000105757ec2 QgsAuthManager::init(QString const&, QString const&) + 108
6 org.qgis.qgis3_core       0x000000010588892b QgsApplication::initQgis() + 271
7 libqgis_app.3.4.1.dylib   0x000000010393f11e QgsApp::QgisApp(QSplashScreen*, bool, bool, QString const&, QString const&,
QWidget*, QFlags<Qt::WindowType>) + 2362
8 org.qgis.qgis3           0x000000010347ae77 main + 20183
9 libdyld.dylib            0x00007fffc126235 start + 1
```

I found a Qt bug report about Qt ignoring qt.conf (the one we need to have in the app package so QGIS loads from its copy of plugins) when supportedImageFormats is called:

<https://bugreports.qt.io/browse/QTBUG-27811>

I didn't see any supportedImageFormats calls in QCA, but maybe it's a similar problem?

Maybe an alternate method to get QGIS to use the app package plugins folder is to use setLibraryPaths mentioned here:

<http://doc.qt.io/qt-5/osx-deployment.html#qt-plugins>

### History

#1 - 2019-05-15 10:16 PM - Denis Rouzaud

- Assignee deleted (Denis Rouzaud)