

QGIS Application - Bug report #6913

Python interpreter starts hardwired to search buildSourcePath when run from build directory

2012-12-22 03:31 PM - Larry Shaffer

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Python plugins	
Affected QGIS version:	master	Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: end of life
Crashes QGIS or corrupts data:	No	Copied to github as #: 16036
Description <p>A current issue regarding the loading of plugins (while running from the build directory) is when plugins are restored on launch of the app. There is currently a goofy fix for this with commits commit:e31fb3c9 and commit: where QgsApplication::pkgDataPath() is temporarily set to something other than QgsApplication::buildSourcePath() when restoring core plugins.</p> <p>The reason for that patch: when QgsPluginRegistry::restoreSessionPlugins() is called the Python packages are imported from QgsApplication::buildSourcePath()/python/plugins even though that path is NOT in sys.path for the interpreter. If QgsApplication::pkgDataPath() is pointed to something other than QgsApplication::buildSourcePath(), or an empty QString, it works. However, I could find no means by which the interpreter was assigned that module search path.</p> <p>I have tried:</p> <ul style="list-style-type: none">- changing the current working directory in C++ and via Python- setting PYTHONPATH- setting all kinds of debug output from the interpreter (never shows buildSourcePath()/python/plugins in sys.path)- giving up <p>To reproduce the issue, run QGIS from the build directory and then launch DB Manager core plugin. You will get an error about a missing ui_*.py file, because that 'compiled' version of a *.ui file does not exist in source directory, only in the build/output/python/plugins staged version of the plugin.</p> <p>Now, run QGIS again, but with the --noplugins option. This will keep restoreSessionPlugins() from being called. After using Plugin Manager to turn back on DB Manager, launch the plugin and you should not get the error: sys.path is being honored, and the plugin is imported from build/output/python/plugins staged area, as expected.</p> <p>While the current patch works, it requires core plugins to not request QgsApplication::pkgDataPath() when the plugin loads. A better solution is needed.</p>		
Related issues:		
Related to QGIS Application - Bug report # 5879: running from build directory...		Closed 2012-06-27

History

- #1 - 2017-05-01 01:09 AM - Giovanni Manghi
- Easy fix? set to No
 - Regression? set to No
- #2 - 2019-03-09 04:04 PM - Giovanni Manghi
- Resolution set to end of life
 - Status changed from Open to Closed

End of life notice: QGIS 2.18 LTR

Source:

<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>