

QGIS Application - Bug report #17555

Problem with GRASS in Processing plugin

2017-11-26 04:56 PM - Michal Jurewicz

Status: Closed Priority: Normal Assignee: Victor Olaya Category: Processing/GRASS Affected QGIS version: master Operating System: MacOS Pull Request or Patch supplied: No Crashes QGIS or corrupts data: No	Regression?: No Easy fix?: No Resolution: fixed/implemented Copied to github as #: 25452
Description <p>I just installed QGIS 2.99 master and GRASS7 using homebrew formula. Everything worked fine until I add path to GRASS in Processing option. After I did it, I can't open QGIS with working processing plugin. During opening QGIS there is an error as below. I used GRASS path like this: /usr/local/opt/grass7/grass-base</p> <p>---</p> <p>Couldn't load plugin 'processing' due to an error when calling its initGui() method</p> <p>PermissionError: [Errno 13] Permission denied: '/usr/local/opt/grass7/grass-base/etc/colors/grass'</p> <p>Traceback (most recent call last):</p> <p>File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/qgis/utils.py", line 345, in startPlugin plugins[packageName].initGui() File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/ProcessingPlugin.py", line 179, in initGui self.toolbox = ProcessingToolbox() File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/gui/ProcessingToolbox.py", line 95, in <i>init</i> self.fillTree() File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/gui/ProcessingToolbox.py", line 319, in fillTree self.fillTreeUsingProviders() File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/gui/ProcessingToolbox.py", line 384, in fillTreeUsingProviders providerItem = TreeProviderItem(provider, self.algorithmTree, self) File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/gui/ProcessingToolbox.py", line 515, in <i>init</i> self.setToolTip(0, self.provider.longName()) File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/algs/grass7/Grass7AlgorithmProvider.py", line 125, in longName version = Grass7Utils.installedVersion() File "/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing/algs/grass7/Grass7Utils.py", line 115, in installedVersion startupinfo=si if isWindows() else None File "/usr/local/opt/python3/Frameworks/Python.framework/Versions/3.6/lib/python3.6/subprocess.py", line 709, in <i>init</i> restore_signals, start_new_session) File "/usr/local/opt/python3/Frameworks/Python.framework/Versions/3.6/lib/python3.6/subprocess.py", line 1344, in <i>_execute_child</i> raise child_exception_type(errno_num, err_msg, err_filename) PermissionError: [Errno 13] Permission denied: '/usr/local/opt/grass7/grass-base/etc/colors/grass'</p>	

Wersja Pythona: 3.6.3 (default, Nov 26 2017, 09:17:50) [GCC 4.2.1 Compatible Apple LLVM 9.0.0 (clang-900.0.38)]
Wersja QGIS: 2.99.0-Master Master, 7451422

Lokalizacja Pythona:

/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing
/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python
/Users/michaljurewicz/Library/Application Support/QGIS/QGIS3/profiles/default/python
/Users/michaljurewicz/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins
/usr/local/Cellar/qgis3-dev/2.99/QGIS.app/Contents/MacOS/../Resources/python/plugins
/usr/local/opt/gdal2-python/lib/python3.6/site-packages
/usr/local/opt/qgis3-dev/lib/python3.6/site-packages
/usr/local/opt/qgis3-dev/libexec/python/lib/python/site-packages
/usr/local/lib/python3.6/site-packages
/usr/local/opt/python3/Frameworks/Python.framework/Versions/3.6/lib/python36.zip
/usr/local/opt/python3/Frameworks/Python.framework/Versions/3.6/lib/python3.6
/usr/local/opt/python3/Frameworks/Python.framework/Versions/3.6/lib/python3.6/lib-dynload
/usr/local/opt/python3/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-packages
/usr/local/Cellar/numpy/1.13.3/libexec/nose/lib/python3.6/site-packages
/Users/michaljurewicz/Library/Application Support/QGIS/QGIS3/profiles/default/python

History

#1 - 2017-11-27 11:41 PM - Giovanni Manghi

- Status changed from Open to Feedback
- Priority changed from High to Normal
- Crashes QGIS or corrupts data changed from Yes to No
- Regression? changed from Yes to No

error seems clear, or not?

PermissionError: [Errno 13] Permission denied: '/usr/local/opt/grass7/grass-base/etc/colors/grass'

#2 - 2017-11-28 03:45 PM - Gary Sherman

Giovanni Manghi wrote:

error seems clear, or not?

PermissionError: [Errno 13] Permission denied: '/usr/local/opt/grass7/grass-base/etc/colors/grass'

The file is not a binary or script. It is a plain text file not meant to be executed. For some reason the plugin thinks that is the path to the grass executable/script.

#3 - 2017-11-30 04:35 AM - Giovanni Manghi

- Status changed from Feedback to Open

#4 - 2017-12-01 07:33 AM - Nyal Dawson

- Status changed from Open to Feedback

What's the correct grass command on your platform?

#5 - 2017-12-01 03:46 PM - Gary Sherman

grass72

- Homebrew installs grass7 in: /usr/local/opt/grass7
- /usr/local/opt/grass7/grass-base is a symlink to /usr/local/opt/grass7/grass-7.2.2
- The grass72 shell script is in /usr/local/opt/grass7/bin/grass72
- /usr/local/opt/grass7/grass-base contains grass.sh and grass72.sh
- /usr/local/opt/grass7/grass-base/bin contains all the grass function executables (e.g. r.in.gdal, v.in.ogr)
- *which grass72* returns: /usr/local/bin/grass72

#6 - 2017-12-01 07:04 PM - Giovanni Manghi

- *Status changed from Feedback to Open*

#7 - 2018-01-07 11:53 AM - Médéric RIBREUX

- *File Grass7Utils.py added*

Hello,

I don't have a Mac to test... Perhaps this is the GRASS detection code that doesn't do the right thing.

Could you temporarily:

- use a QGIS version [from this PR](#) (perhaps not necessary).
- replace your Grass7Utils.py (it should be in your QGIS installation in shared/python/plugins/processing/algs/grass7/ directory) with the more verbose one provided here and give us the results of the 'DEBUG' log ?

#8 - 2018-03-23 02:55 AM - William Kyngesburye

- *File Grass7Utils.py added*

I see what's going on - in searchFolder(), when the command is found, the "break" statement only breaks the cmd loop, so it then moves on to the next folder in the walking, eventually leaving the last command found, which happens to be in the etc/colors subfolder, instead of the first one found at the top level of the grasspath.

The walk loop also needs a break if command is not None. I attached my Grass7Utils.py with this extra break. I don't know if this will break the Windows search.

#9 - 2018-04-08 12:46 AM - Nyall Dawson

- *Resolution set to fixed/implemented*
- *Status changed from Open to Closed*

Fixed in master/3.0

Files

Grass7Utils.py	21.2 KB	2018-01-07	Médéric RIBREUX
Grass7Utils.py	20.8 KB	2018-03-23	William Kyngesburye