

QGIS Application - Bug report #8625
singlepart to multipart broken in QGIS 2.0/master

2013-09-17 10:11 AM - Giovanni Manghi

<div>Status: Closed</div> <div>Priority: Severe/Regression</div> <div>Assignee:</div> <div>Category: Processing/QGIS</div> <div>Affected QGIS version:master</div> <div>Operating System:</div> <div>Pull Request or Patch supplied:</div> <div>Crashes QGIS or corrupts data:</div>	<div>Regression?:</div> <div>Easy fix?:</div> <div>Resolution:</div> <div>Copied to github as #: 17359</div>
<div>Description</div> <div>tested on both Linux and Windows</div> <div>An error has occured while executing Python code:</div> <div>Traceback (most recent call last): File "C:\\OSGeo4W\\apps\\qgis-dev\\python\\plugins\\fTools\\tools\\doGeometry.py", line 324, in run success = self.single_to_multi() File "C:\\OSGeo4W\\apps\\qgis-dev\\python\\plugins\\fTools\\tools\\doGeometry.py", line 384, in single_to_multi if idVar.strip() == i.strip() or merge_all: AttributeError: 'QPyNullVariant' object has no attribute 'strip'</div> <div>Python version: 2.7.4 (default, Apr 6 2013, 19:54:46) [MSC v.1500 32 bit (Intel)]</div> <div>QGIS version: 2.1.0-Master Master, 773e0d4</div> <div>Python path: ['C:/OSGeo4W/apps/qgis-dev/.python/plugins\\sextante', 'C:/OSGeo4W/apps/qgis-dev/.python/plugins\\processing', 'C:/OSGeo4W/apps/qgis-dev/.python', u'C:\\\\Users\\giovanni.qgis2/python', u'C:\\\\Users\\giovanni.qgis2/python/plugins', 'C:/OSGeo4W/apps/qgis-dev/.python/plugins', 'C:\\\\Python27', 'C:\\\\mapnik-v2.2.0\\python\\2.7\\site-packages', 'C:\\\\OSGeo4W\\bin', 'C:\\\\OSGeo4W\\bin\\python27.zip', 'C:\\\\OSGeo4W\\apps\\Python27\\DLLs', 'C:\\\\OSGeo4W\\apps\\Python27\\lib', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\plat-win', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\lib-tk', 'C:\\\\OSGeo4W\\apps\\Python27', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\site-packages', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\site-packages\\PIL', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\site-packages\\win32', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\site-packages\\win32\\lib', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\site-packages\\Pythonwin', 'C:\\\\OSGeo4W\\apps\\Python27\\lib\\site-packages\\wx-2.8-msw-unicode', 'C:\\\\OSGeo4W\\apps\\qgis-dev\\python\\plugins\\fTools\\tools']</div>	

Associated revisions

Revision e4f410b5 - 2014-01-30 11:59 PM - Matthias Kuhn

[fTools] S'part to M'part with non-string columns and NULL values
Fix #8625

History

#1 - 2013-12-07 02:42 AM - Andrey Isakov

QGIS 2.0.1

Same error.

Vector -> Geometry Tools -> Singleparts to multipart

An error has occurred while executing Python code:

Traceback (most recent call last):

File "/usr/share/qgis/python/plugins/fTools/tools/doGeometry.py", line 325, in run

success = self.single_to_multi()

File "/usr/share/qgis/python/plugins/fTools/tools/doGeometry.py", line 385, in single_to_multi

if idVar.strip() == i.strip() or merge_all:

AttributeError: 'float' object has no attribute 'strip'

Python version:

2.7.5+ (default, Sep 17 2013, 15:33:59)

[GCC 4.8.1]

QGIS version:

2.0.1-Dufour Dufour, exported

Python path: ['/usr/share/qgis/python/plugins/processing', '/usr/share/qgis/python', '/home/andrey/.qgis2/python',
'/home/andrey/.qgis2/python/plugins', '/usr/share/qgis/python/plugins', '/usr/lib/python2.7', '/usr/lib/python2.7/plat-x86_64-linux-gnu',
'/usr/lib/python2.7/lib-tk', '/usr/lib/python2.7/lib-old', '/usr/lib/python2.7/lib-dynload', '/usr/local/lib/python2.7/dist-packages',
'/usr/lib/python2.7/dist-packages', '/usr/lib/python2.7/dist-packages/PIL', '/usr/lib/python2.7/dist-packages/gtk-2.0', '/usr/lib/pymodules/python2.7',
'/home/andrey/.qgis2/python/plugins/mmqgis/forms', '/usr/share/qgis/python/plugins/fTools/tools']

#2 - 2014-01-07 04:36 AM - Salvatore Larosa

- File *sample_data_ftools.zip* added

- Tag set to *easy*

This seems to happen when the layer has NULL attribute values, I had proposed a [patch](#) which has not been applied because this commit [commit:cba57fa](#) by Matthias solved the issue with NULL values reported in the same PR, but I am still getting a QPynNullVariant error here.

Can anyone test the tool with the attached sample data?

#3 - 2014-01-07 11:31 PM - Giovanni Manghi

Salvatore Larosa wrote:

| but I am still getting a QPynNullVariant error here.

confirmed

An error has occurred while executing Python code:

2025-04-27

Traceback (most recent call last):

File "/usr/share/qgis/python/plugins/fTools/tools/doGeometry.py", line 326, in run

success = self.single_to_multi()

File "/usr/share/qgis/python/plugins/fTools/tools/doGeometry.py", line 386, in single_to_multi

if idVar.strip() == i.strip() or merge_all:

AttributeError: 'QPyNullVariant' object has no attribute 'strip'

#4 - 2014-01-07 11:38 PM - Matthias Kuhn

Can confirm.

Some comments:

- Just to be sure: What is the result expected to be? Should NULL values be grouped? From a database perspective it seems like [yes, but it is an edge-case](#)
- What about the option of removing the .strip() altogether? From a database perspective this would not be used (" a " is distinct from "a") but I can perfectly see that it may help new users to cover their data inconsistencies. What about making it an option, checked by default?
- Your patch will lead to conflicts, when the user actually has the string u"NULL" as a value in his attributes. For my part, I'd like to get away from this substitute strings as good as possible.

#5 - 2014-01-09 10:07 AM - Giovanni Manghi

- *Just to be sure: What is the result expected to be? Should NULL values be grouped? From a database perspective it seems like [yes, but it is an edge-case](#)*

from a user point of view I would say "yes", group them. But if it is hard then a warning message (and ask to fill properly the null records) would be enough.

#6 - 2014-01-10 02:44 AM - Andrey Isakov

Matthias Kuhn wrote:

- *Just to be sure: What is the result expected to be? Should NULL values be grouped? From a database perspective it seems like [yes, but it is an edge-case](#)*

In some cases YES, in other — NO. So, I think we need an additional check-box for NULL values.

#7 - 2014-01-30 02:59 PM - Matthias Kuhn

- Status changed from Open to Closed

Fixed in changeset commit:"e4f410b589c43ce346930fd2523b815741c6257a".

#8 - 2017-05-01 01:21 AM - Giovanni Manghi

The "fTools" category is being removed from the tracker, changing the category of this ticket to "Processing/QGIS" to not leave the category orphaned.

Files

sample_data_ftools.zip	80.5 KB	2014-01-07	Salvatore Larosa
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