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

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

Status:	Closed		
Priority:	Severe/Regression		
Assignee:			
Category:	Processing/QGIS		
Affected QGIS version:	master	**Regression?:**	
Operating System:		**Easy fix?:**	
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	17359

Description

tested on both Linux and Windows

An error has occured while executing Python code:

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'

Python version:
2.7.4 (default, Apr 6 2013, 19:54:46) [MSC v.1500 32 bit (Intel)]

QGIS version:
2.1.0-Master Master, 773e0d4

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']

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 occured 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

QPyNullVariant 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 QPyNullVariant error here.*

confirmed

An error has occured while executing Python code:

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