

QGIS Application - Bug report #1669

ftools: error in select by location

2009-04-30 09:01 AM - bjpfei -

Status: Closed	
Priority: Low	
Assignee: cfarmer -	
Category: Python plugins	
Affected QGIS version:	Regression?: No
Operating System: All	Easy fix?: No
Pull Request or Patch supplied:	Resolution: invalid
Crashes QGIS or corrupts data:	Copied to github as #: 11729
Description	
1.) open select by location	
2.) choose two db-layers (seems that it doesn't matter if line or polygon)	
3.) ok	
ftools version 0.5.9	
You get a python error	
"/home/bjsvwpfe/.qgis/python/plugins/fTools/tools/doSelectByLocation.py", line 61, in compute geomLayer = [[QgsGeometry]](feat.geometry()) [[TypeError]]: argument 1 of [[QgsGeometry]]() has an invalid type	
thx	

Associated revisions

Revision 6e48297f - 2010-03-31 12:01 AM - cfarmer -

Update to select by location tool: should run faster for large layers, and requires less memory. Should also fix #1669

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@13205> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 67376a6e - 2010-03-31 12:01 AM - cfarmer -

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git-svn-id: <http://svn.osgeo.org/qgis/trunk@13205> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2009-07-09 03:50 PM - Giovanni Manghi

I cannot replicate the python error (using ftools 0.5.10) under ubuntu 9.04/win xp and qgis 1.2 but I can produce and replicate qgis freeze using the same "select by location" tool.

Take the qgis sample dataset and pick a polygon layer (ex. grassland) and a line layer (ex. trails and majrivers): if I select features in grassland intersecting features in trails is all ok, if repeat the same but with majrivers instead of trails, than wgis freezes.

#2 - 2009-07-09 11:39 PM - Horst Düster

The error occurs when you use [[PostGIS]] Layer for the analysis. The following error is reported:

Traceback (most recent call last):

```
File "/usr/local/qgis-trunk/share/qgis/python/plugins/fTools/tools/doSelectByLocation.py", line 52, in accept
self.compute(inPoly, inPts, self.cmbModify.currentText())
File "/usr/local/qgis-trunk/share/qgis/python/plugins/fTools/tools/doSelectByLocation.py", line 64, in compute
geomLayer = [[QgsGeometry]](feat.geometry())
[[TypeError]]: argument 1 of [[QgsGeometry]]() has an invalid type
```

#3 - 2009-07-10 01:06 AM - Giovanni Manghi

Ok, confirmed also this error when using postgis layers:

An error has occurred while executing Python code:

Traceback (most recent call last):

```
File "/usr/local/share/qgis/python/plugins/fTools/tools/doSelectByLocation.py", line 52, in accept
self.compute(inPoly, inPts, self.cmbModify.currentText())
File "/usr/local/share/qgis/python/plugins/fTools/tools/doSelectByLocation.py", line 64, in compute
geomLayer = [[QgsGeometry]](feat.geometry())
[[TypeError]]: argument 1 of [[QgsGeometry]]() has an invalid type
```

Python version:

```
2.6.2 (release26-maint, Apr 19 2009, 02:11:59)
[GCC 4.3.3]
```

```
Python path:['/usr/local/share/qgis/python', '/home/gio/.qgis/python/plugins', '/usr/local/share/qgis/python/plugins', '/usr/lib/python2.6',
'/usr/lib/python2.6/plat-linux2', '/usr/lib/python2.6/lib-tk', '/usr/lib/python2.6/lib-old', '/usr/lib/python2.6/lib-dynload',
'/usr/lib/python2.6/dist-packages', '/usr/lib/python2.6/dist-packages/PIL', '/usr/lib/python2.6/dist-packages/gst-0.10',
'/var/lib/python-support/python2.6', '/usr/lib/python2.6/dist-packages/gtk-2.0', '/var/lib/python-support/python2.6/gtk-2.0',
'/usr/lib/python2.6/dist-packages/wx-2.8-gtk2-unicode', '/usr/local/lib/python2.6/dist-packages', '/usr/local/share/qgis/python/plugins/fTools/tools']
```

#4 - 2009-12-01 01:43 AM - Giovanni Manghi

All this issues are confirmed in the latest trunk qgis code.

#5 - 2010-03-30 03:01 PM - cfarmer -

- Resolution set to fixed
- Status changed from Open to Closed

Should be fixed in commit:67376a6e (SVN r13206)

-Carson

#6 - 2011-02-18 09:35 AM - bderstine -

- Status changed from Closed to Feedback
- Resolution deleted (fixed)

I seem to be getting a similar error when running on two very large polygon vector shapefiles (select features in a layer with 820,154 small footprint records, that intersect features in a layer with 7,766 large footprint records).
using fTools 0.5.10, qGIS 1.6.0:

An error has occurred while executing Python code:

Traceback (most recent call last):

```
File "C:\\QUANTU~1\\apps\\qgis\\python\\plugins\\fTools\\tools\\doSelectByLocation.py", line 53, in accept
self.compute(inPoly, inPts, self.cmbModify.currentText())
File "C:\\QUANTU~1\\apps\\qgis\\python\\plugins\\fTools\\tools\\doSelectByLocation.py", line 78, in compute
print len(intersects)
IOError: [Errno 9] Bad file descriptor
```

Python version:

2.5.2 (commit:c5cd2930 (SVN r253):60911, Feb 21 2008, 13:11:45) [MSC v.1310 32 bit (Intel)]

#7 - 2011-02-20 11:07 AM - cfarmer -

- Resolution set to invalid
- Status changed from Feedback to Closed

Replying to [comment:7 bderstine]:

*I seem to be getting a similar error when running on two very large polygon vector shapefiles:
IOError: [Errno 9] Bad file descriptor*

The above error is not related to the previously posted error, this 'new error' is a Windows IO problem that we have encountered before. This being the case, this issue has also already been resolved in trunk. Please ensure that you are in fact using the latest version of QGIS, and also the latest version of fTools (which is in fact the one installed by default). Looking at the source for the "select by location" tool, the offending print statement is no longer there in recent versions.

-Carson

#8 - 2011-02-21 05:21 PM - bderstine -

Carson, thanks for the response. I was using the Standalone Installer of release 1.6.0, but have now switched to the OSGeo4W Installer using the qgis-dev package in order to get the nightly builds of trunk. It works great.