

## QGIS Application - Bug report #4396

### (fTools) - Check geometry Validity raises exception clicking on errors with no coordinates

2011-10-17 01:08 AM - Luca Sigfrido Percich

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Processing/QGIS	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b>
<b>Operating System:</b>	all	<b>Easy fix?:</b>
<b>Pull Request or Patch supplied:</b>	no	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	no	<b>Copied to github as #:</b> 14328
<b>Description</b>		
<p>Using the "Check Geometry Validity" in fTools, the user is presented a Dialog with the list of error messages and possibly the corresponding coordinates.</p> <p>When clickion on error lines like the following, the location of the error is shown on map:</p> <p>15622,segments 0 and 11 of line 0 intersect at 1506841.69141, 5033355.60175 20415,line 0 contains 1 duplicate node(s) at 14</p> <p>but with the following error description (which does not contain a coordinate pair or vertex reference): 7607,Unknown geometry type</p> <p>the following exception is being raised:</p> <p>An error has occured while executing Python code:</p> <p>Traceback (most recent call last): File "/home/sigfrido/.qgis/python/plugins/fTools/tools/doValidate.py", line 97, in zoomToError x = item.data(Qt.UserRole).toPyObject().x() AttributeError: 'NoneType' object has no attribute 'x'</p> <p>I'm using fTools 0.6.1 on QGis 1.71, Ubuntu 10.04</p>		

#### Associated revisions

Revision a442b89c - 2012-05-24 09:27 PM - Jürgen Fischer

fTools: fix handling of locationless geometry errors (fixes #4396)

#### History

#1 - 2011-11-12 05:51 AM - Tim Sutton

- Target version changed from Version 1.7.1 to Version 1.7.2

#2 - 2011-11-13 08:12 AM - Alexander Bruy

Please provide sample dataset

#3 - 2011-11-13 09:36 AM - Luca Sigfrido Percich

- File fTools\_pg\_test\_nullgeom.sql added

The absence of coordinates in the error message was due to the PostGIS geometries being NULL.

I attach a simple script for creating a postGIS layer with two records with null geometry.  
You can reproduce the problem adding the layer in QGIS as a Multipolygon layer and running the "Check geometry validity" on it.

Sorry for having not done this before, next time I'll try to be more precise and immediately add test data to the ticket.

**#4 - 2011-11-30 12:40 PM - Giovanni Manghi**  
- Target version changed from Version 1.7.2 to Version 1.7.3

**#5 - 2011-12-16 10:54 AM - Giovanni Manghi**  
- Target version changed from Version 1.7.3 to Version 1.7.4

**#6 - 2012-04-15 10:09 AM - Giovanni Manghi**  
- Target version changed from Version 1.7.4 to Version 2.0.0

**#7 - 2012-05-23 04:48 AM - Alexander Bruy**  
- Tracker changed from Feature request to Bug report  
- Crashes QGIS or corrupts data set to No  
- Affected QGIS version set to master

**#8 - 2012-05-24 08:49 AM - Alexander Bruy**  
- Assignee deleted (cfarmer -)  
- Operating System set to all

Seems after refactoring of the QgsGeometryAnalyzer this not true. Check geometry validity now returns nothing (no errors) on this sample data. For me this ticket now part of more general issue with Check geometry validity, see #5070

**#9 - 2012-05-24 08:58 AM - Giovanni Manghi**  
- Status changed from Open to Feedback

**#10 - 2012-05-24 12:27 PM - Jürgen Fischer**  
- Status changed from Feedback to Closed

Fixed in changeset commit:"a442b89c712cf79cb7e94958b41ab599d1f27a77".

**#11 - 2017-05-01 01:22 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			
fTools_pg_test_nullgeom.sql	430 Bytes	2011-11-13	Luca Sigfrido Percich