

## QGIS Application - Feature request #3433

### GEOSException not exposed through python bindings

2011-01-23 05:21 PM - rcoup -

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| <b>Status:</b> Closed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |
| <b>Priority:</b> Low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     |
| <b>Assignee:</b> Borys Jurgiel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     |
| <b>Category:</b> Python plugins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     |
| <b>Pull Request or Patch supplied:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Resolution:</b> fixed            |
| <b>Easy fix?:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Copied to github as #:</b> 13493 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |
| <p>If you try and parse some invalid WKT (or do a number of other bad things), GEOS will throw an error you <b>can't catch</b> from Python, causing the interpreter to crash.</p> <pre>&gt;&gt;&gt; from qgis.core import [[QgsGeometry]] &gt;&gt;&gt; # WKT has a missing ')' &gt;&gt;&gt; [[QgsGeometry]].fromWkt("POLYGON((0 0, 1 0, 1 1, 0 0)") terminate called after throwing an instance of 'GEOSException' Aborted</pre> <p>ideally a developer should be able to catch it with:</p> <pre>&gt;&gt;&gt; from qgis.core import [[QgsGeometry]], GEOSException &gt;&gt;&gt; try: &gt;&gt;&gt; [[QgsGeometry]].fromWkt("POLYGON((0 0, 1 0, 1 1, 0 0)") &gt;&gt;&gt; except GEOSException, e: &gt;&gt;&gt; print "uh oh, WKT error: %s" % e</pre> |                                     |

#### History

**#1 - 2011-02-20 11:52 AM - Martin Dobias**

- Resolution set to fixed

- Status changed from Open to Closed

This has been fixed in development version already (commit:520cfc63 (SVN r14905)). It is not possible to catch the exception, you will just get None instead of a valid geometry.