

# QGIS Application - Bug report #18077

## QGIS crashes when running "Fix Geometries" Processing algorithm on the attached layer

2018-02-12 01:36 AM - gcarrillo -

<b>Status:</b>	Closed	<b>Regression?:</b>	No
<b>Priority:</b>	Normal	<b>Easy fix?:</b>	No
<b>Assignee:</b>	Victor Olaya	<b>Resolution:</b>	fixed/implemented
<b>Category:</b>	Processing/QGIS	<b>Copied to github as #:</b>	25973
<b>Affected QGIS version:</b>	master		
<b>Operating System:</b>	GNU/Linux (Linux Mint based on Ubuntu Xubuntu 18.04)		
<b>Pull Request or Patch Applied:</b>	Yes		
<b>Crashes QGIS or corrupts data:</b>	Yes		

### Description

I attach a GeoPackage DB with a single layer, which in turns has a single MultiLineString geometry.

This is the WKT representation of the geometry:

```
>>>feature.geometry().asWkt()
'MultiLineString ((356984.0625 6300089, 356984.0625 6300089))'
```

As soon as I run the "Fix Geometries" algorithm, QGIS crashes. This is the last part of the backtrace (hope that it helps):

Stacktrace (piped through c++filt):

```
/docs/dev/qgis/QGIS/build-master04/output/bin/qgis[0x40cfa3]
/docs/dev/qgis/QGIS/build-master04/output/bin/qgis[0x40d4b0]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0x914c6)[0x7ff6bf5e4c6]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(QMessageLogger::warning(char const*, ...) const+0xac)[0x7ff6bf5f28c]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(+0xc8de26)[0x7ff6fdc05e26]
/usr/lib/x86_64-linux-gnu/libgeos_c.so.1(GEOSContextHandle_HS::ERROR_MESSAGE(std::__cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, ...) +0xde)[0x7ff6f5d2bc6e]
/usr/lib/x86_64-linux-gnu/libgeos_c.so.1(GEOSGeom_createCollection_r+0x204)[0x7ff6f5d1f454]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(+0xc81f9a)[0x7ff6fdbf9f9a]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(+0xc827d0)[0x7ff6fdbfa7d0]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(+0xc82ced)[0x7ff6fdbfaced]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(QgsGeometry::makeValid() const+0x8b)[0x7ff6fdbe3605]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_analysis.so.2.99.0(+0xd1d48)[0x7ff6f8d82d48]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(QgsProcessingFeatureBasedAlgorithm::processAlgorithm(QMap<QString, QVariant> const&, QgsProcessingContext&, QgsProcessingFeedback*)+0x53e)[0x7ff6fd5ac304]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(QgsProcessingAlgorithm::runPrepared(QMap<QString, QVariant> const&, QgsProcessingContext&, QgsProcessingFeedback*)+0x2b6)[0x7ff6fd5aa6b8]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(QgsProcessingAlgRunnerTask::run()+0xb7)[0x7ff6fd5b0b21]
/docs/dev/qgis/QGIS/build-master04/output/python/qgis/_core.so(sipQgsProcessingAlgRunnerTask::run()+0x72)[0x7ff64f0ac6c2]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(QgsTask::start()+0xcc)[0x7ff6fd8cb26e]
/docs/dev/qgis/QGIS/build-master04/output/lib/libqgis_core.so.2.99.0(+0x956b20)[0x7ff6fd8ceb20]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xa22d3)[0x7ff6bf6f2d3]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xa57be)[0x7ff6bf727be]
src/core/qgsmessagelog.cpp: 27: (logMessage) [51ms] [thread:0x7ff634001940] 2018-02-11 T17:27:51 Qt[1] GEOS exception:
IllegalArgumentException: geometries must not contain null elements
```

Warning: Qt Concurrent has caught an exception thrown from a worker thread.

This is not supported, exceptions thrown in worker threads must be caught before control returns to Qt Concurrent.

Stacktrace (piped through c++filt):

```
/docs/dev/qgis/QGIS/build-master04/output/bin/qgis[0x40cfa3]
/docs/dev/qgis/QGIS/build-master04/output/bin/qgis[0x40d4b0]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0x914c6)[0x7ff6fbf5e4c6]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(QMessageLogger::warning(char const*, ...) const+0xac)[0x7ff6fbf5f28c]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xa253a)[0x7ff6fbf6f53a]
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xa57be)[0x7ff6fbf727be]
/lib/x86_64-linux-gnu/libpthread.so.0(+0x76ba)[0x7ff6f41296ba]
/lib/x86_64-linux-gnu/libc.so.6(clone+0x6d)[0x7ff6fb6723dd]
src/core/qgsmessagelog.cpp: 27: (logMessage) [26ms] [thread:0x7ff634001940] 2018-02-11T17:27:51 Qt[1] Qt Concurrent has
caught an exception thrown from a worker thread.
This is not supported, exceptions thrown in worker threads must be
caught before control returns to Qt Concurrent.
terminate called after throwing an instance of 'GEOException'
what(): IllegalArgumentException: geometries must not contain null elements
```

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## Associated revisions

**Revision 5431a2db - 2018-02-12 03:43 AM - Nyal Dawson**

Fix crash when repairing zero length linestring geometry

Fixes #18077

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## History

**#1 - 2018-02-12 03:01 AM - Nyal Dawson**

- *Pull Request or Patch supplied changed from No to Yes*

PR at <https://github.com/qgis/QGIS/pull/6314>

**#2 - 2018-02-12 03:42 AM - Nyal Dawson**

- *% Done changed from 0 to 100*

- *Status changed from Open to Closed*

Applied in changeset commit:qgis|5431a2dbaece3902b6bf906b86b3c4257062630d.

**#3 - 2018-02-21 06:10 PM - Giovanni Manghi**

- *Resolution set to fixed/implemented*

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## Files

null_line.gpkg	116 KB	2018-02-12	gcarrillo -
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