

QGIS Application - Bug report #18736

Crash when aborting geometry check

2018-04-17 01:14 PM - Antoine Lafranchis

Status:	Closed	
Priority:	High	
Assignee:	Martin Dobias	
Category:	C++ plugins/Geometry Checker	
Affected QGIS version:	3.1(master)	Regression?: Yes
Operating System:	Windows 10 with greek language	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 26623

Description

User Feedback

I clicked Abort on a geometry check

Report Details

Crash ID: 9bd4be657063fe6452ffb95a51b1c4a2a1ce3e97

Stack Trace

geos::index::strtree::STRtree::STRIntersectsOp::~~STRIntersectsOp :
QgsGeos::QgsGeos :
_C_specific_handler :
_FrameUnwindFilter :
memchr :
_CxxFrameHandler3 :
_chkstk :
RtlUnwindEx :
FindAndUnlinkFrame :
_FrameUnwindFilter :
memchr :
memchr :
_CxxFrameHandler3 :
_chkstk :
RtlLookupFunctionEntry :
RtlRaiseException :
RaiseException :
CxxThrowException :
QgsGeos::symDifference :
geos::index::strtree::STRtree::STRIntersectsOp::~~STRIntersectsOp :
geos::index::bintree::Key::Key :
_unDNameEx :
_is_exception_typeof :
RtlCaptureContext :
geos::index::strtree::STRtree::STRIntersectsOp::~~STRIntersectsOp :
QgsGeos::overlay :
QgsGeos::intersection :
QgsGeometryOverlapCheck::collectErrors :
QgsGeometryChecker::runCheck :
QgsGeometryChecker::runCheck :
QgsGeometryChecker::runCheck :
QgsInternalGeometrySnapper::operator= :
QtConcurrent::ThreadEngineBase::run :
QThreadPoolPrivate::reset :
QThread::start :
BaseThreadInitThunk :
RtlUserThreadStart :

QGIS Info

QGIS Version: 3.0.1-Girona

QGIS code revision: commit:a86bec25eb

Compiled against Qt: 5.9.2

Running against Qt: 5.9.2

Compiled against GDAL: 2.2.4

Running against GDAL: 2.2.4

System Info

CPU Type: x86_64

Kernel Type: winnt

Kernel Version: 10.0.15063

Associated revisions

Revision 73fd83f7 - 2018-06-21 05:22 PM - Martin Dobias

Fix crashes in geometry checker (fixes #18736) (#7292)

This fixes two different crashes:

- when trying to close the checker dialog while checks are running in background
- when trying to run checks again after previously aborting a run

History

#1 - 2018-06-20 08:29 PM - Martin Dobias

- *Status changed from Open to Feedback*

If you do not abort the geometry check, do you also get the crash?

Could you please attach the data you have used and the geometry checker configuration?

#2 - 2018-06-20 09:58 PM - Antoine Lafranchis

- *File check test.zip added*
- *File check config.png added*

I did manage to complete the check without any crash. I don't remember the exact config and the I edited the shapefile since then.

I can still reproduce a crash with the attached file and config, and with the following steps:

- Run check with the config as in the attached screenshot
- Choose an empty output directory
- Click run
- Wait for the spatial index to be built
- When the Abort button becomes clickable, click it
- It says Waiting for running checks to finish
- Don't wait, close the checker's window with the X button
- After a few seconds, QGIS crashes

#3 - 2018-06-21 01:09 AM - Martin Dobias

- Status changed from Feedback to Open
- Assignee set to Martin Dobias

Thanks - I can reproduce.

```
0 0x00007f54201b294a in __GI___waitpid (pid=12881, stat_loc=0x7ffc468a2524, options=0) at ../sysdeps/unix/sysv/linux/waitpid.c:29
    resultvar = 18446744073709551104
    sc_cancel_oldtype = 0
#1 0x0000558b5f3c5a6a in qgisCrash(int) (signal=11) at ../src/app/main.cpp:325
    status = 0
    pidstr = "--pid=12090\000\000\000\000\000\220}dd\213U\000\000\200T\347b\213U\000"
    gdbpid = 12881
    exename = "/home/martin/qgis/git-master/build-debug/output/bin/qgis\000\215\323
T\177\000\000\253\367\b\000\000\000\000\000A\354\021,\000\000\000\000\060\000\000\000\000\000\000\000\035\255R\TTTh\000\000\000\000\000\000\000\000\000\000\000\000\351u\323 T\177\000\000@ \273\001a\213U\000\000W\202\323
T\177\000\000\001\000\000\000\000\000\000\000\000\000\037\344\265
T\177\000\000\220}dd\213U\000\000\320\024\001a\213U\000\000\000\000\000\000\000\000\000\000\000\000\345\201\323
T\177\000\000\033\000\000\000\000\000\000\000\000\000C\330\315 T\177\000\000\200T\347b\213U\000\000\000"...
    len = 56
#2 0x00007f5420111140 in <signal handler called> () at /lib/x86_64-linux-gnu/libc.so.6
#3 0x0000000000000025 in ()
#4 0x00007f541d8c110f in QCache<long long, QgsFeature>::clear() (this=0x558b64440450) at
/usr/include/x86_64-linux-gnu/qt5/QtCore/qcache.h:124
#5 0x00007f541d8c0d5e in QCache<long long, QgsFeature>::~QCache() (this=0x558b64440450, __in_chrg=<optimized out>) at
/usr/include/x86_64-linux-gnu/qt5/QtCore/qcache.h:93
#6 0x00007f541d8f1bb4 in QgsFeaturePool::~QgsFeaturePool() (this=0x558b64440440, __in_chrg=<optimized out>) at
src/analysis/vector/geometry_checker/../../../../src/analysis/vector/geometry_checker/qgsfeaturepool.h:33
#7 0x00007f541d8f1bdc in QgsFeaturePool::~QgsFeaturePool() (this=0x558b64440440, __in_chrg=<optimized out>) at
src/analysis/vector/geometry_checker/../../../../src/analysis/vector/geometry_checker/qgsfeaturepool.h:33
#8 0x00007f541d8c21d9 in QgsGeometryChecker::~QgsGeometryChecker() (this=0x558b63f470c0, __in_chrg=<optimized out>) at
../src/analysis/vector/geometry_checker/qgsgeometrychecker.cpp:54
    it = {i = 0x558b63efa360}
#9 0x00007f541d8c2298 in QgsGeometryChecker::~QgsGeometryChecker() (this=0x558b63f470c0, __in_chrg=<optimized out>) at
../src/analysis/vector/geometry_checker/qgsgeometrychecker.cpp:57
#10 0x00007f53d5a9fa6d in QgsGeometryCheckerResultTab::~QgsGeometryCheckerResultTab() (this=0x558b6880a8c0,
__in_chrg=<optimized out>) at ../src/plugins/geometry_checker/qgsgeometrycheckerresulttab.cpp:116
#11 0x00007f53d5a9faf8 in QgsGeometryCheckerResultTab::~QgsGeometryCheckerResultTab() (this=0x558b6880a8c0, __in_chrg=<optimized
out>) at ../src/plugins/geometry_checker/qgsgeometrycheckerresulttab.cpp:118
#12 0x00007f53d5a84adf in QgsGeometryCheckerDialog::done(int) (this=0x558b626d0380, r=0) at
../src/plugins/geometry_checker/qgsgeometrycheckerdialog.cpp:84
#13 0x00007f5421c86202 in QDialog::closeEvent(QCloseEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#14 0x00007f53d5a84c55 in QgsGeometryCheckerDialog::closeEvent(QCloseEvent*) (this=0x558b626d0380, ev=0x7ffc468a3310) at
../src/plugins/geometry_checker/qgsgeometrycheckerdialog.cpp:99
#15 0x00007f5421a9bdc8 in QWidget::event(QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#16 0x00007f5421a5b46c in QApplicationPrivate::notify_helper(QObject*, QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#17 0x00007f5421a62d34 in QApplication::notify(QObject*, QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#18 0x00007f5422820d8f in QgsApplication::notify(QObject*, QEvent*) (this=0x7ffc468a4ee0, receiver=0x558b626d0380,
event=0x7ffc468a3310) at ../src/core/qgsapplication.cpp:343
    done = true
    __FUNCTION__ = "notify"
#19 0x00007f5420ce0de8 in QCoreApplication::notifyInternal2(QObject*, QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5
#20 0x00007f5421a97641 in QWidgetPrivate::close_helper(QWidgetPrivate::CloseMode) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
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#21 0x00007f5421ab5fa6 in () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#22 0x00007f5421ab9067 in () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#23 0x00007f5421a5b46c in QApplicationPrivate::notify_helper(QObject*, QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#24 0x00007f5421a62d34 in QApplication::notify(QObject*, QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
#25 0x00007f5422820d8f in QgsApplication::notify(QObject*, QEvent*) (this=0x7ffc468a4ee0, receiver=0x558b61bbb510,
event=0x7ffc468a3660) at ../src/core/qgsapplication.cpp:343
    done = true
    __FUNCTION__ = "notify"
#26 0x00007f5420ce0de8 in QCoreApplication::notifyInternal2(QObject*, QEvent*) () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5
#27 0x00007f542129d43a in QGuiApplicationPrivate::processCloseEvent(QWindowSystemInterfacePrivate::CloseEvent*) () at
/usr/lib/x86_64-linux-gnu/libQt5Gui.so.5
#28 0x00007f54212a1a55 in QGuiApplicationPrivate::processWindowSystemEvent(QWindowSystemInterfacePrivate::WindowSystemEvent*) ()
at /usr/lib/x86_64-linux-gnu/libQt5Gui.so.5
#29 0x00007f5421279cab in QWindowSystemInterface::sendWindowSystemEvents(QFlags<QEventLoop::ProcessEventsFlag>) () at
/usr/lib/x86_64-linux-gnu/libQt5Gui.so.5
#30 0x00007f53f0c675a0 in () at /usr/lib/x86_64-linux-gnu/libQt5XcbQpa.so.5
#31 0x00007f5415214fb7 in g_main_context_dispatch () at /lib/x86_64-linux-gnu/libglib-2.0.so.0
#32 0x00007f54152151f0 in () at /lib/x86_64-linux-gnu/libglib-2.0.so.0
#33 0x00007f541521527c in g_main_context_iteration () at /lib/x86_64-linux-gnu/libglib-2.0.so.0
#34 0x00007f5420d3947f in QEventDispatcherGlib::processEvents(QFlags<QEventLoop::ProcessEventsFlag>) () at
/usr/lib/x86_64-linux-gnu/libQt5Core.so.5
#35 0x00007f5420cdee3a in QEventLoop::exec(QFlags<QEventLoop::ProcessEventsFlag>) () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5
#36 0x00007f53d5a8ab70 in QgsGeometryCheckerSetupTab::runChecks() (this=0x558b621ace20) at
../src/plugins/geometry_checker/qgsgeometrycheckersetuptab.cpp:473
    layers = {<QListSpecialMethods<QgsVectorLayer*>> = {<No data fields>}, {p = {static shared_null = {ref = {atomic = {__q_value =
{<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data fields>}}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d =
0x558b69c67b00}, d = 0x558b69c67b00}}
    lineLayerCheckLayer = 0x0
    followBoundaryCheckLayer = 0x0
    selectedOnly = false
    processLayers = {<QListSpecialMethods<QgsVectorLayer*>> = {<No data fields>}, {p = {static shared_null = {ref = {atomic = {__q_value =
{<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data fields>}}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d =
0x558b6a5af060}, d = 0x558b6a5af060}}
    nonEditableLayers = {<QListSpecialMethods<QgsVectorLayer*>> = {<No data fields>}, {p = {static shared_null = {ref = {atomic = {__q_value =
{<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data fields>}}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d =
0x7f5420dd0a00 <QListData::shared_null>}, d = 0x7f5420dd0a00 <QListData::shared_null>}}
    featurePools = {d = 0x558b6451d0e0}
    context = 0x558b635bd7b0
    checks = {<QListSpecialMethods<QgsGeometryCheck*>> = {<No data fields>}, {p = {static shared_null = {ref = {atomic = {__q_value =
{<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data fields>}}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d =
0x558b69f05fc0}, d = 0x558b69f05fc0}}
    checker = 0x558b63f470c0
    evLoop = <incomplete type>
    futureWatcher = {<QFutureWatcherBase> = {<No data fields>}, m_future = {d = <incomplete type>}}
    maxSteps = 68773
#37 0x00007f53d5a9d9cc in QtPrivate::FunctorCall<QtPrivate::IndexesList<>, QtPrivate::List<>, void, void
(QgsGeometryCheckerSetupTab::*)()>::call(void (QgsGeometryCheckerSetupTab::*)(), QgsGeometryCheckerSetupTab*, void**) (f=(void
(QgsGeometryCheckerSetupTab::*)(QgsGeometryCheckerSetupTab * const)) 0x7f53d5a88422
<QgsGeometryCheckerSetupTab::runChecks()>, o=0x558b621ace20, arg=0x7ffc468a3ea0) at
/usr/include/x86_64-linux-gnu/qt5/QtCore/qobjectdefs_impl.h:136
#38 0x00007f53d5a9cfd7 in QtPrivate::FunctionPointer<void (QgsGeometryCheckerSetupTab::*)()>::call<QtPrivate::List<>, void>(void
(QgsGeometryCheckerSetupTab::*)(), QgsGeometryCheckerSetupTab*, void**) (f=(void
(QgsGeometryCheckerSetupTab::*)(QgsGeometryCheckerSetupTab * const)) 0x7f53d5a88422

```

```
<QgsGeometryCheckerSetupTab::runChecks(>, o=0x558b621ace20, arg=0x7ffc468a3ea0) at
/usr/include/x86_64-linux-gnu/qt5/QtCore/qobjectdefs_impl.h:169
#39 0x00007f53d5a9bcd in QtPrivate::QSlotObject<void (QgsGeometryCheckerSetupTab::*)(), QtPrivate::List<>, void>::impl(int,
QtPrivate::QSlotObjectBase*, QObject*, void**, bool*) (which=1, this_=0x558b62764ab0, r=0x558b621ace20, a=0x7ffc468a3ea0, ret=0x0) at
/usr/include/x86_64-linux-gnu/qt5/QtCore/qobject_impl.h:120
#40 0x00007f5420d0f9ff in QMetaObject::activate(QObject*, int, int, void**) () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5
#41 0x00007f5421c17572 in QAbstractButton::clicked(bool) () at /usr/lib/x86_64-linux-gnu/libQt5Widgets.so.5
```

#4 - 2018-06-21 05:21 PM - Martin Dobias

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|73fd83f71dc97b83213429020936608116109665.

Files

check test.zip	1.17 MB	2018-06-20	Antoine Lafranchis
check config.png	45.3 KB	2018-06-20	Antoine Lafranchis