

QGIS Application - Bug report #803

segfaults editing shapefile with missing dbf file

2007-11-12 12:57 PM - Maciej Sieczka -

Status: Closed	
Priority: Low	
Assignee: nobody -	
Category: Digitising	
Affected QGIS version:	Regression?: No
Operating System: Debian	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 10862

Description

SVN 7389.

If the shapefile is missing a dbf file and is edited in QGIS with "Move vertex tool", then "Save changes", QGIS segfaults like this:

Program received signal SIGSEGV, Segmentation fault.

[Switching to Thread -1257305408 (LWP 15357)]

0xb68bab7f in DBFGetRecordCount () from /usr/local/lib/libgdal.so.1

(gdb) bt

#0 0xb68bab7f in DBFGetRecordCount () from /usr/local/lib/libgdal.so.1

#3905 0xb66a6bdd in SHPWriteOGRFeature () from /usr/local/lib/libgdal.so.1

#3906 0xb6688f84 in OGRShapeLayer::SetFeature () from /usr/local/lib/libgdal.so.1

#3907 0xb2f0d890 in [[QgsOgrProvider]]::changeGeometryValues (this=0x8681b48, geometry_map=@0x86a9df8) at /home/shoofi/src/straight/qgis09/src/providers/ogr/qgsogrprovider.cpp:828

#3908 0xb6f900e4 in [[QgsVectorLayer]]::commitChanges (this=0x86a9d78) at /home/shoofi/src/straight/qgis09/src/core/qgsvectorlayer.cpp:2071

#3909 0x0823bdf6 in [[QgsLegendLayerFile]]::toggleEditing (this=0x84ea230) at /home/shoofi/src/straight/qgis09/src/app/legend/qgslegendlayerfile.cpp:405

#3910 0x080f2bad in [[QgisApp]]::toggleEditing (this=0x8364208) at /home/shoofi/src/straight/qgis09/src/app/qgisapp.cpp:3547

#3911 0x0825b55c in [[QgisApp]]::qt_metacall (this=0x8364208, _c=QMetaObject::InvokeMetaMethod, _id=78, _a=0xbfe147dc) at /home/shoofi/src/straight/qgis09/build/src/app/moc_qgisapp.cxx:321

#3912 0xb7e41d67 in QMetaObject::activate (sender=0x84c37a0, from_signal_index=5, to_signal_index=6, argv=<value optimized out>) at kernel/qobject.cpp:3080

#3913 0xb7e4214e in QMetaObject::activate (sender=0x84c37a0, m=0x0, from_local_signal_index=1, to_local_signal_index=2, argv=0x0) at kernel/qobject.cpp:3159

#10 0xb766cab9 in QAction::triggered (this=0x0, _t1=false) at moc_qaction.cpp:208

#3914 0xb766d33c in QAction::activate (this=0x84c37a0, event=QAction::Trigger) at kernel/qaction.cpp:1116

#3915 0xb7a3cad6 in QToolButton::nextCheckState (this=0x0) at qaction.h:190

#3916 0xb7975455 in QAbstractButtonPrivate::click (this=0x84de7a8) at widgets/qabstractbutton.cpp:515

#3917 0xb79756af in QAbstractButton::mousePressEvent (this=0x84de790, e=0xbfe14e8c) at widgets/qabstractbutton.cpp:1102

#3918 0xb7a3ca08 in QToolButton::mousePressEvent (this=0x0, e=0x0) at widgets/qtoolbutton.cpp:658

#3919 0xb76b79dd in QWidget::event (this=0x84de790, event=0xbfe14e8c) at kernel/qwidget.cpp:6080

#3920 0xb79745a6 in QAbstractButton::event (this=0x84de790, e=0xbfe14e8c) at widgets/qabstractbutton.cpp:1064

#3921 0xb7a3c876 in QToolButton::event (this=0x0, e=0x0) at widgets/qtoolbutton.cpp:1075

#3922 0xb7672be3 in QApplicationPrivate::notify_helper (this=0x82e96e8, receiver=0x84de790, e=0xbfe14e8c) at kernel/qapplication.cpp:3558

#3923 0xb7675ff8 in QApplication::notify (this=0xbfe155dc, receiver=0x84de790, e=0xbfe14e8c) at kernel/qapplication.cpp:3257

#3924 0xb7e30f64 in QCoreApplication::notifyInternal (this=0xbfe155dc, receiver=0x84de790, event=0xbfe14e8c) at kernel/qcoreapplication.cpp:532

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#3925 0xb76cebd7 in QETWidget::translateMouseEvent (this=0x84de790, event=0xbfe151ec) at qcoreapplication.h:205
#3926 0xb76ce4ab in QApplication::x11ProcessEvent (this=0xbfe155dc, event=0xbfe151ec) at kernel/qapplication_x11.cpp:2917
#3927 0xb76f2dab in x11EventSourceDispatch (s=0x830b258, callback=0, user_data=0x0) at
kernel/qguieventdispatcher_glib.cpp:137
#3928 0xb62f58d6 in g_main_context_dispatch () from /usr/lib/libglib-2.0.so.0
#3929 0xb62f8996 in g_main_context_check () from /usr/lib/libglib-2.0.so.0
#3930 0xb62f8e1e in g_main_context_iteration () from /usr/lib/libglib-2.0.so.0
#3931 0xb7e543b5 in QEventDispatcherGlib::processEvents (this=0x83080e0, flags=@0xbfe153d8) at
kernel/qeventdispatcher_glib.cpp:340
#3932 0xb76f2957 in QGuiEventDispatcherGlib::processEvents (this=0x83080e0, flags=@0x86eb8c8) at
kernel/qguieventdispatcher_glib.cpp:193
#3933 0xb7e30873 in QEventLoop::processEvents (this=0x0, flags=@0x0) at kernel/qeventloop.cpp:141
#3934 0xb7e309b2 in QEventLoop::exec (this=0xbfe15470, flags=@0xbfe15478) at kernel/qeventloop.cpp:187
#3935 0xb7e32e29 in QCoreApplication::exec () at kernel/qcoreapplication.cpp:752
#3936 0xb76726c7 in QApplication::exec () at kernel/qapplication.cpp:3055
#3937 0x080dd0e2 in main (argc=1, argv=0xbfe15824) at /home/shoofi/src/straight/qgis09/src/app/main.cpp:631
(gdb)

```

If the same shapefile is edited with "Delete Selected" or "Cut Features", then "Save Changes" QGIS segfaults in another fashion:

```
ERROR 1: Attempt to delete shape in shapefile with no .dbf file.
```

```
Deletion is done by marking record deleted in dbf
and is not supported without a .dbf file.
```

```
Program received signal SIGSEGV, Segmentation fault.
```

```
[Switching to Thread -1256682816 (LWP 15343)]
```

```
0xb6953761 in DBFIsRecordDeleted () from /usr/local/lib/libgdal.so.1
```

```
(gdb) bt
```

```
#0 0xb6953761 in DBFIsRecordDeleted () from /usr/local/lib/libgdal.so.1
```

```
#3905 0xb67221b1 in OGRShapeLayer::Repack () from /usr/local/lib/libgdal.so.1
```

```
#3906 0xb671f369 in OGRShapeDataSource::ExecuteSQL () from /usr/local/lib/libgdal.so.1
```

```
#3907 0xb2fa3b39 in [[QgsOgrProvider]]::deleteFeatures (this=0x8362a30, id=@0x869cc0c) at
```

```
/home/shoofi/src/straight/qgis09/src/providers/ogr/qgsogrprovider.cpp:870
```

```
#3908 0xb70282ea in [[QgsVectorLayer]]::commitChanges (this=0x869cb98) at
```

```
/home/shoofi/src/straight/qgis09/src/core/qgsvectorlayer.cpp:2101
```

```
#3909 0x0823bdf6 in [[QgsLegendLayerFile]]::toggleEditing (this=0x84ef140) at
```

```
/home/shoofi/src/straight/qgis09/src/app/legend/qgslegendlayerfile.cpp:405
```

```
#3910 0x080f2bad in [[QgisApp]]::toggleEditing (this=0x8363cc8) at /home/shoofi/src/straight/qgis09/src/app/qgisapp.cpp:3547
```

```
#3911 0x0825b55c in [[QgisApp]]::qt_metacall (this=0x8363cc8, _c=QMetaObject::InvokeMetaMethod, _id=78,
```

```
_a=0xbfaaca9c) at /home/shoofi/src/straight/qgis09/build/src/app/moc_qgisapp.cxx:321
```

```
#3912 0xb7ed9d67 in QMetaObject::activate (sender=0x84c3080, from_signal_index=5, to_signal_index=6, argv=<value
```

```
optimized out>) at kernel/qobject.cpp:3080
```

```
#3913 0xb7eda14e in QMetaObject::activate (sender=0x84c3080, m=0x0, from_local_signal_index=1, to_local_signal_index=2,
```

```
argv=0x0) at kernel/qobject.cpp:3159
```

```
#10 0xb7704ab9 in QAction::triggered (this=0x0, _t1=false) at moc_qaction.cpp:208
```

```
#3914 0xb770533c in QAction::activate (this=0x84c3080, event=QAction::Trigger) at kernel/qaction.cpp:1116
```

```
#3915 0xb7ad4ad6 in QToolButton::nextCheckState (this=0x0) at qaction.h:190
```

```
#3916 0xb7a0d455 in QAbstractButtonPrivate::click (this=0x84de728) at widgets/qabstractbutton.cpp:515
```

```
#3917 0xb7a0d6af in QAbstractButton::mousePressEvent (this=0x84de710, e=0xbfaad14c) at
```

```
widgets/qabstractbutton.cpp:1102
```

```
#3918 0xb7ad4a08 in QToolButton::mousePressEvent (this=0x0, e=0x0) at widgets/qtoolbutton.cpp:658
```

```
#3919 0xb774f9dd in QWidget::event (this=0x84de710, event=0xbfaad14c) at kernel/qwidget.cpp:6080
```

```
#3920 0xb7a0c5a6 in QAbstractButton::event (this=0x84de710, e=0xbfaad14c) at widgets/qabstractbutton.cpp:1064
#3921 0xb7ad4876 in QToolButton::event (this=0x0, e=0x0) at widgets/qtoolbutton.cpp:1075
#3922 0xb770abe3 in QApplicationPrivate::notify_helper (this=0x82e96e8, receiver=0x84de710, e=0xbfaad14c) at
kernel/qapplication.cpp:3558
#3923 0xb770dff8 in QApplication::notify (this=0xbfaad89c, receiver=0x84de710, e=0xbfaad14c) at kernel/qapplication.cpp:3257
#3924 0xb7ec8f64 in QCoreApplication::notifyInternal (this=0xbfaad89c, receiver=0x84de710, event=0xbfaad14c) at
kernel/qcoreapplication.cpp:532
#3925 0xb7766bd7 in QETWidget::translateMouseEvent (this=0x84de710, event=0xbfaad4ac) at qcoreapplication.h:205
#3926 0xb77664ab in QApplication::x11ProcessEvent (this=0xbfaad89c, event=0xbfaad4ac) at
kernel/qapplication_x11.cpp:2917
#3927 0xb778adab in x11EventSourceDispatch (s=0x830b258, callback=0, user_data=0x0) at
kernel/qguieventdispatcher_glib.cpp:137
#3928 0xb638d8d6 in g_main_context_dispatch () from /usr/lib/libglib-2.0.so.0
#3929 0xb6390996 in g_main_context_check () from /usr/lib/libglib-2.0.so.0
#3930 0xb6390e1e in g_main_context_iteration () from /usr/lib/libglib-2.0.so.0
#3931 0xb7eec3b5 in QEventDispatcherGlib::processEvents (this=0x83080e0, flags=@0xbfaad698) at
kernel/qeventdispatcher_glib.cpp:340
#3932 0xb778a957 in QGuiEventDispatcherGlib::processEvents (this=0x83080e0, flags=@0x868e738) at
kernel/qguieventdispatcher_glib.cpp:193
#3933 0xb7ec8873 in QEventLoop::processEvents (this=0x0, flags=@0x0) at kernel/qeventloop.cpp:141
#3934 0xb7ec89b2 in QEventLoop::exec (this=0xbfaad730, flags=@0xbfaad738) at kernel/qeventloop.cpp:187
#3935 0xb7ecae29 in QCoreApplication::exec () at kernel/qcoreapplication.cpp:752
#3936 0xb770a6c7 in QApplication::exec () at kernel/qapplication.cpp:3055
#3937 0x080dd0e2 in main (argc=1, argv=0xbfaadae4) at /home/shoofi/src/straight/qgis09/src/app/main.cpp:631
(gdb)
```

To avoid this QGIS should not let edit broken shapefiles or at least should refuse to load them.

Associated revisions

Revision 73e2713e - 2007-11-19 11:20 PM - Jürgen Fischer

negate write capabilities for shapefiles w/o attributes, fixes #803

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@7612> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision bf62b396 - 2007-11-19 11:20 PM - Jürgen Fischer

negate write capabilities for shapefiles w/o attributes, fixes #803

git-svn-id: <http://svn.osgeo.org/qgis/trunk@7612> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2007-11-19 02:21 PM - Jürgen Fischer

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

fixed in commit:bf62b396 (SVN r7613)

#2 - 2009-08-22 12:52 AM - Anonymous

Milestone Version 0.9.1 deleted