

# QGIS Application - Bug report #6240

## Editing: Delete last Vertex crashes QGIS

2012-08-22 04:50 AM - bjpfei -

<b>Status:</b> Closed	
<b>Priority:</b> High	
<b>Assignee:</b>	
<b>Category:</b> Digitising	
<b>Affected QGIS version:</b> 1.8.0	<b>Regression?:</b> No
<b>Operating System:</b> Ubuntu	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 15548

### Description

When editing a polygon deleting the last vertex crashes QGIS when you delete another vertex.

- 1.) Start editing a polygon layer.
- 2.) Search the last vertex of the polygon and delete it.
- 3.) After deleting the vertex it's still visible (see Attachment)
- 4.) Delete another vertex.
- 5.) QGIS crashes

You can prevent QGIS from crashing when you click another tool (like zoom) before deleting the next vertex.

Here is the output of QGIS stacktrace.

```
_Fatal: ASSERT: "!mChangingGeometry" in file /usr/local/src/Quantum-GIS-1.8/src/app/nodetool/qgsselectedfeature.cpp, line 125
```

Stacktrace (run through c++filt):

```
/usr/local/qgis-1.8/bin/qgis(myMessageOutput(QtMsgType, char const*)+0x1a7)[0x52e3de]
/usr/lib/libQtCore.so.4(qt_message_output(QtMsgType, char const*)+0x1e)[0x7f7a34dbe7ee]
/usr/lib/libQtCore.so.4(+0x71a22)[0x7f7a34dbea22]
/usr/lib/libQtCore.so.4(qFatal(char const*, ...)+0x95)[0x7f7a34dbabd5]
/usr/local/qgis-1.8/bin/qgis(QgsSelectedFeature::beginGeometryChange()+0x31)[0x67bd1d]
/usr/local/qgis-1.8/bin/qgis(QgsSelectedFeature::deleteSelectedVertexes()+0x23d)[0x67c853]
/usr/local/qgis-1.8/bin/qgis(QgsMapToolNodeTool::keyReleaseEvent(QKeyEvent*)+0x72)[0x679552]
/usr/local/qgis-1.8/lib/libqgis_gui.so.1.8.0(QgsMapCanvas::keyReleaseEvent(QKeyEvent*)+0xda)[0x7f7a35a855b4]
/usr/lib/libQtGui.so.4(QWidget::event(QEvent*)+0x7b7)[0x7f7a342ca347]
/usr/lib/libQtGui.so.4(QFrame::event(QEvent*)+0x26)[0x7f7a346714e6]
/usr/lib/libQtGui.so.4(QAbstractScrollArea::event(QEvent*)+0xbb)[0x7f7a346fc8ab]
/usr/lib/libQtGui.so.4(QApplicationPrivate::notify_helper(QObject*, QEvent*)+0xac)[0x7f7a3427422c]
/usr/lib/libQtGui.so.4(QApplication::notify(QObject*, QEvent*)+0x1915)[0x7f7a3427bec5]
/usr/local/qgis-1.8/lib/libqgis_core.so.1.8.0(QgsApplication::notify(QObject*, QEvent*)+0xac)[0x7f7a35ff5e2a]
/usr/lib/libQtCore.so.4(QCoreApplication::notifyInternal(QObject*, QEvent*)+0x8c)[0x7f7a34ebb06c]
/usr/lib/libQtGui.so.4(+0x26916a)[0x7f7a3431f16a]
/usr/lib/libQtGui.so.4(+0x26b6f0)[0x7f7a343216f0]
/usr/lib/libQtGui.so.4(QApplication::x11ProcessEvent(_XEvent*)+0x864)[0x7f7a342f8904]
/usr/lib/libQtGui.so.4(+0x26e882)[0x7f7a34324882]
/lib/libglib-2.0.so.0(g_main_context_dispatch+0x1f2)[0x7f7a2ca088c2]
/lib/libglib-2.0.so.0(+0x42748)[0x7f7a2ca0c748]
/lib/libglib-2.0.so.0(g_main_context_iteration+0x6c)[0x7f7a2ca0c8fc]
/usr/lib/libQtCore.so.4(QEventDispatcherGlib::processEvents(QFlags<QEventLoop::ProcessEventsFlag>)+0x73)[0x7f7a34ee4513]
3]
/usr/lib/libQtGui.so.4(+0x26e46e)[0x7f7a3432446e]
/usr/lib/libQtCore.so.4(QEventLoop::processEvents(QFlags<QEventLoop::ProcessEventsFlag>)+0x32)[0x7f7a34eb9992]
```

```
/usr/lib/libQtCore.so.4(QEventLoop::exec(QFlags<QEventLoop::ProcessEventsFlag>)+0xdc)[0x7f7a34eb9d6c]
/usr/lib/libQtCore.so.4(QCoreApplication::exec()+0xbb)[0x7f7a34ebdaab]
/usr/local/qgis-1.8/bin/qgis(main+0x2430)[0x53083c]
/lib/libc.so.6(__libc_start_main+0xfd)[0x7f7a324cac4d]
/usr/local/qgis-1.8/bin/qgis[0x52df79]
/usr/local/qgis_devel/bin/qgis: Zeile 2: 30487 Abgebrochen      /usr/local/qgis-1.8/bin/qgis_
```

## Associated revisions

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### Revision f3acfda5 - 2012-10-04 02:18 PM - Jürgen Fischer

fix #6240

## History

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### #1 - 2012-08-23 03:19 AM - Giovanni Manghi

- Status changed from Open to Feedback
- Operating System changed from Ubuntu Server to Ubuntu

Is this a regression (it used to work in 1.7.4)?

### #2 - 2012-08-23 07:03 AM - bjpfci -

I think so.  
Tested it in our old 1.7.4 version and in Code Version commit:1fcfde2 and it worked.

### #3 - 2012-08-23 10:49 AM - Giovanni Manghi

bjpfci - wrote:

| *Code Version 1fcfde2 and it worked.*

do you mean that in qgis master it works correctly?

### #4 - 2012-08-24 12:28 AM - bjpfci -

I don't know if it works correctly in master.  
commit:1fcfde2 is not an actual version of master. It is an old version of master - a 1.8rc which we compiled in spring.

### #5 - 2012-08-24 02:13 AM - Giovanni Manghi

- Target version changed from Version 1.8.0 to Version 2.0.0

bjpfci - wrote:

| *I don't know if it works correctly in master.*

can you give it a try? under Windows you can use osgeo4w.

If it is a regression we must tag this ticket as blocker. If it is a regression and meanwhile it was fixed in master then we should close this ticket as fixed.  
Thanks in advance.

**#6 - 2012-09-10 08:28 AM - bjpfei -**

Sorry we can't test this on actual version of master at the moment.  
Does anybody else has the chance to test it?  
Thanks in advance

**#7 - 2012-10-04 02:31 AM - cmoe -**

Just tested on commit:777ce59 under ubuntu12.04: After deleting the last vertex, the marker is still visible, but Qgis doesn't crash anymore.

regards  
cmoe

**#8 - 2012-10-04 02:40 AM - cmoe -**

Just an update: It will crash, if press delete on the time the already deleted vertex is still marked.

- 1.) Start editing a polygon layer.
- 2.) Search the last vertex of the polygon (it will be marked blue) and delete it.
- 3.) The blue marker still exists, but the polygon shape will be without this vertex.
- 4.) Now press delete to get rid of the needless blue marker
- 5.) Qgis crashes!

regards Cédric

**#9 - 2012-10-04 05:18 AM - Jürgen Fischer**

- Status changed from Feedback to Closed

Fixed in changeset commit:"f3acfd57b5aeb0008dd37ffaacd60e94ec20b26".

**Files**

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delete_last_vertex.png	312 KB	2012-08-22	bjpfei -
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