QGIS Application - Bug report #4690
Crash when adding field to a shape file's attribute table

2011-12-22 02:37 AM - David Kneis

Status:	Closed		
Priority:	High		
Assignee:			
Category:			
Affected QGIS version:	1.7.3	**Regression?:**	No
Operating System:	Ubuntu 10.04 LTS	**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	Yes	**Copied to github as #:**	14576

Description

When adding a new field to a shape file's attribute table, QGIS 1.7.3-Wroclaw (running on Ubuntu 10.04 LTS) crashes due to an out-of-range condition. I tried this on several existing and newly created shape files (feature type: lines). It does not matter whether the new field is added manually or automatically (by trying to store calculation results in a new field). I was unable to produce a backtrace because of missing debugging symbols. The shell output including the essential error message follows:

dkneis@teufelsturm:/home$ qgis
Python support ENABLED :-)
Loaded : Plugin Installer (package: plugin_installer)
Fatal: ASSERT failure in QList<T>::operator[]: "index out of range", file /usr/include/qt4/QtCore/qlist.h, line 443
Abgebrochen

Associated revisions

Revision 26778bfe - 2012-01-04 03:54 PM - Jürgen Fischer

fix #4690

History

#1 - 2011-12-22 03:42 AM - Alexander Bruy

Not reproducible here under Linux with master and latest 1.7

#2 - 2011-12-22 04:47 AM - Paolo Cavallini

- Status changed from Open to Feedback

Please check if it's not a previous libqgis hanging around, or a plugin (remove them all and retry).

#3 - 2011-12-22 06:52 AM - David Kneis

- File bug_4690_additional.pdf added

Try 1: I installed version 1.9.90-Alpha. All extensions disabled. The problem still exists.
Try 2: I removed older versions of libqgis. Then re-installed version 1.7.3. The problem still exists.

However, I detected a second 'strange' behavior which might be connected to the reported out-of-range crash: When I open the shape file's attribute table,

no data are initially displayed. I need to click on the header of a column first to make the table's contents visible. Moreover, the message in the top panel of the window reads like "Attributes table - <Layer name> :: 0 / 0 objects selected" (translated from German). The second zero in "0 / 0" might actually point to an index problem since the number of features (and records in the attributes table) is > 0. I appended a screenshot (as a PDF) to illustrate this.

#4 - 2011-12-22 07:19 AM - Jürgen Fischer

- Affected QGIS version set to 1.7.3

#5 - 2011-12-22 07:59 AM - Jürgen Fischer

- Crashes QGIS or corrupts data set to Yes

#6 - 2011-12-23 06:08 AM - David Kneis

- File backtrace.txt added

I was now able to create a backtrace. The gdb output is in the attached text file.

#7 - 2011-12-23 12:16 PM - Giovanni Manghi

The very same error message show in ticket #3963

Fatal: ASSERT failure in QList<T>::operator[]: "index out of range", file /usr/include/qt4/QtCore/qlist.h, line 464

#8 - 2012-01-04 06:02 AM - David Kneis

I think I identified the condition leading to the described crash:

The crash does **NOT** occur if the default behavior for attribute tables is set to "Show all features" under Settings/Options/General/Attribute table behavior.

However, the crash **does** occur if the default behavior is set to "Show selected features".

#9 - 2012-01-04 06:53 AM - Jürgen Fischer

David Kneis wrote:

> *However, I detected a second 'strange' behavior which might be connected to the reported out-of-range crash: When I open the shape file's attribute table, no data are initially displayed. I need to click on the header of a column first to make the table's contents visible.*

That is the bug. Sorting the empty table shouldn't change a thing.

#10 - 2012-01-04 06:55 AM - Jürgen Fischer

- % Done changed from 0 to 100

- Status changed from Feedback to Closed

Fixed in changeset commit:"26778bfe0125eef815ba6ff0e3cd09bcd666817e".

Files

bug_4690_additional.pdf	140 KB	2011-12-22	David Kneis
backtrace.txt	5.16 KB	2011-12-23	David Kneis