QGIS Application - Bug report #957
QGIS crashes when trying to export shapefile from Postgis where record has NULL geometry

2008-02-21 09:22 AM - Andreas Neumann

Status:	Closed			
Priority:	Low			
Assignee:	nobody -			
Category:	Build/Install			
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 #:**	11016	

Description

When exporting data from Postgis to a shapefile and one or more records have a NULL geometry it seems like QGIS crashes during the export. Attached is a sample SQL file where one record (the one with gid=450) has a NULL geometry.

To reproduce, create an empty Postgis database and a schema called "natur". Then import the file attached to this bug with "psql -U an -d yourdb -f oekoflaech.sql" --> add the file to QGIS --> right click on the layer and --> Save as shapefile --> QGIS crashes.

This is consistent on both Linux and Windows with a fairly recent SVN version.

History

#1 - 2008-02-21 09:37 AM - Frank Warmerdam -

I don't have a postgis instance readily available, so I tried to reproduce this by opening a new vector layer from a .csv file (no geometries) and then doing "save to shapefile" from the layer entry in the layer list. This seemed to work ok though no actual records were written - presumably because none of them had geometry.

This leads me to wonder if the problem is specific to postgis or if I'm just approaching it wrong.

#2 - 2008-02-21 10:31 AM - Frank Warmerdam -

racicot reports this traceback:

Program received signal SIGABRT, Aborted.
[Switching to Thread -1259669824 (LWP 19480)]
0xffffe410 in +kernel_vsyscall ()
(gdb) bt
#0 0xffffe410 in +kernel_vsyscall ()
#3905 0xb6271875 in raise () from /lib/tls/i686/cmov/libc.so.6
#3906 0xb6273201 in abort () from /lib/tls/i686/cmov/libc.so.6
#3907 0xb626ab6e in +assert_fail () from /lib/tls/i686/cmov/libc.so.6
#3908 0xb6ed0715 in [[QgsVectorFileWriter]]::createEmptyGeometry (this=0x88fdd68, wkbType=QGis::WKBUnknown)
    at /usr/local/src/qgis/qgis_svn/src/core/qgsvectorfilewriter.cpp:176
#3909 0xb6ed0d86 in [[QgsVectorFileWriter]]::addFeature (this=0x88fdd68, feature=@0xbfbea084)
    at /usr/local/src/qgis/qgis_svn/src/core/qgsvectorfilewriter.cpp:244
#3910 0xb6ed208e in [[QgsVectorFileWriter]]::writeAsShapefile (layer=0x8896e88, shapefileName=@0xbfbea12c, fileEncoding=@0xbfbea130,
    onlySelected=false) at /usr/local/src/qgis/qgis_svn/src/core/qgsvectorfilewriter.cpp:329
#3911 0x0828368c in [[QgsLegendLayerFile]]::saveAsShapefileGeneral (this=0x88b0180, saveOnlySelection=false)
    at /usr/local/src/qgis/qgis_svn/src/app/legend/qgslegendlayerfile.cpp:387

#3 - 2008-02-21 10:32 AM - Frank Warmerdam -

So, the problem is triggered by passing something unexpected (like wkbNone or equivelent?) into createEmptyGeometry(). This method is substantially restructured in the gdalogr-capi branch and I'm not sure the problem will still exist there.

If that will be merged soon, I would suggest holding this ticket till after that merge.

#4 - 2008-03-28 06:38 AM - Jürgen Fischer

- Resolution set to fixed

- Status changed from Open to Closed

looks like the C-API handles this more gracefully.

probably fixed since commit:fb8424db (SVN r8223), verified in commit:317ec563 (SVN r8292).

#5 - 2009-08-22 12:54 AM - Anonymous

Milestone Version 0.9.2 deleted

Files

oekoflaech.sql.gz	60.5 KB	2008-02-21	Andreas Neumann