

QGIS Application - Bug report #7609

Sorting PostGIS layer in attribute view is extremely slow

2013-04-14 04:58 AM - Nyall Dawson

Status:	Closed	
Priority:	Severe/Regression	
Assignee:		
Category:	Vectors	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 16537
Description		
<p>In current master sorting a PostGIS table by an attribute is very slow. The same table (containing ~ 1 million rows) exported to a shp file sorts in around 10 seconds, but the PostGIS version never finishes and endlessly spams the console with:</p> <p>Debug: src/providers/postgres/qgspostgresconn.cpp: 804: (openCursor) Starting read-only transaction Debug: src/providers/postgres/qgspostgresconn.cpp: 818: (closeCursor) Committing read-only transaction</p>		

Associated revisions

Revision 66fadee8 - 2013-04-18 03:18 PM - Matthias Kuhn

[FIX #7609] Fetch and cache data for sorting column in one query

History

#1 - 2013-04-14 12:54 PM - Pedro Venâncio

I confirm, I notice quite a difference, even with layers much smaller than the Nyall.

But this only happens when I order a column for the 1st time, that is, clicking on a column header, it takes a long time to do the sorting. After this initial sorting, clicking on the same column to reverse the sort, the change is instantaneous.

Also, if I sort by another column, it continues to be fast.

Closing the attribute table and reopening, the slow pace of the 1st ordination happen again.

In 1.8 the ordering is always fast and, in my case, the database is on the machine where I have the QGIS master.

This seems limited to PostGIS, it does not happen with the same data in Spatialite or Shapefile.

#2 - 2013-04-14 01:09 PM - Giovanni Manghi

- Category set to Vectors

- Priority changed from Normal to Severe/Regression

Pedro Venâncio wrote:

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it should be a regression then.

#3 - 2013-04-17 01:38 AM - Regis Haubourg

Tested in revision 268c037 , sorting attribute table in large postgis datasets leads to freeze and crash.

Same table as shapefile works OK (not real fast, but sufficient and stable)

#4 - 2013-04-18 06:18 AM - Matthias Kuhn

- Status changed from Open to Closed

Fixed in changeset commit:"66fadee8ef4e1fb8863f62a61d25159f23c4eee6".

#5 - 2013-04-19 05:32 AM - Regis Haubourg

Hi Matthias,

since last revision, attribute show NULL values in attribute window, when identify is OK. It's true also for shp this time. Do we reopen this ticket (it's probably related) ?

#6 - 2013-04-19 05:42 AM - Matthias Kuhn

Hi Regis,

It should be already fixed on master.

I only noticed this morning, so the Windows nightly is probably buggy until tomorrow.

#7 - 2013-04-19 06:13 AM - Regis Haubourg

OK thanks, let's see tomorrow then.

#8 - 2013-04-19 06:15 AM - Giovanni Manghi

regis Haubourg wrote:

OK thanks, let's see tomorrow then.

is this related?

#7649