

## QGIS Application - Bug report #582

### Use the estimateExtents function for PostGIS and PostgreSQL 8

2007-02-11 06:04 PM - Jeremy Palmer

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>	Jürgen Fischer	
<b>Category:</b>	Data Provider	
<b>Affected QGIS version:</b>		<b>Regression?:</b> No
<b>Operating System:</b>	All	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 10641
<b>Description</b>		
<p>Currently the POSTGIS data provider use the "extents" function to determine the layers spatial extents. This can take time on very large tables. Starting from [[PostgreSQL]] 8.0 the column's statistics are stored. This means that the geometry extents can be cached during statistic gathering. The POSTGIS team have added a function that returns the estimated extents "estimateExtents".</p> <p>This function should be used by the data provider when the server version is greater than 8.0.</p> <p>The inconvenience of not having the precise extent does not out weight the need for quick data provider creation. If it becomes an issue for the user the database admin should schedule regular table statistics updates.</p>		

#### Associated revisions

##### Revision 9dbe4f57 - 2008-08-27 10:00 AM - Jürgen Fischer

postgres provider update

- track open cursors and commit transaction whenever no open cursors are left
- close cursor after immediately after feature retrieval (releases locks earlier)
- wrap postgres calls in Conn class
- introduce Result class to handle PQclear mostly transparently (fixes minor leaks)
- remove executeDbCommand method (duplicate of PQexecNR)
- introduce support for estimate\_extents (fixes #582)
- introduce support for enum types (fixes #1210)

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@9183> c8812cc2-4d05-0410-92ff-de0c093fc19c

##### Revision b9452c2d - 2008-08-27 10:00 AM - Jürgen Fischer

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## History

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### #1 - 2007-11-15 03:06 PM - Aaron Racicot -

- Status changed from Open to In Progress

### #2 - 2008-07-22 08:28 AM - Jürgen Fischer

- Status changed from In Progress to Open

### #3 - 2008-08-27 01:06 AM - Jürgen Fischer

- Resolution set to fixed

- Status changed from Open to Closed

added in commit:b9452c2d (SVN r9184)

### #4 - 2009-08-22 12:57 AM - Anonymous

Milestone Version 1.0.0 deleted