

QGIS Application - Bug report #4767

PostGIS 2.0 ST_AsBinary drops forcing 2d, breaks WKB parser of QGIS

2012-01-11 04:36 AM - Sandro Santilli

Status:	Closed	
Priority:	High	
Assignee:	Tim Sutton	
Category:	Data Provider/PostGIS	
Affected QGIS version:	1.7.3	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 14630
Description		
<p>Up to PostGIS-1.5 ST_AsBinary used to internally force the geometry dimensionality to 2d, due to lack of standard specifications for higher dimensions. As of PostGIS-2.0 the new SQL/MM higher dimension specifications are used. Qgis is unable to parse such WKB and complains as follows:</p> <p>Debug: /usr/src/qgis/qgis-1.7/src/core/qgsgeometry.cpp: 3701: (boundingBox) Unknown WkbType ENCOUNTERED</p> <p>Mapserver contains an explicit Force2D call since a long time. Qgis could do the same for a quick fix.</p>		

Associated revisions

Revision 8d65c972 - 2012-01-12 09:14 AM - Sandro Santilli

Simplify code handling geography and support postgis-2.0 WKB (sqlmm; fixes #4767)

History

#1 - 2012-01-11 06:17 AM - Sandro Santilli

- Affected QGIS version changed from master to 1.7.3

Here's a fix for the 1.7 branch, which also improve the support for geography (fixing opening a geography table with no type advertised in geometry_columns). Note: this was tested against PostGIS 1.4, 1.5 and 2.0svn, opening geometry and geography columns with 4 dimensions.

The following changes since commit 7a9110ab8de73475313f44ebeae76aaa31bf4c43:

Alexander Bruy (1):

always save last used dir in Raster terrain analysis plugin (fix #4693)

are available in the git repository at:

git@github.com:strk/Quantum-GIS.git release-1_7-pgis-2_0

Sandro Santilli (1):

Simplify code handling geography and support postgis-2.0 WKB (sqlmm)

src/providers/postgres/qgspostgresprovider.cpp | 34 ++++++-----

1 files changed, 16 insertions(+), 18 deletions(-)

#2 - 2012-01-11 06:25 AM - Sandro Santilli

- *Category set to Data Provider/PostGIS*

I'll postpone port of the fix to master as master is currently undergoing a refactoring

#3 - 2012-01-11 10:50 AM - Sandro Santilli

commit:2b739d945d90d31b11561f0ca3938706b4162ebf by jef adapted the patch to master branch.

Does it need to be also backported in a 1.8 branch ?

#4 - 2012-01-12 12:15 AM - Sandro Santilli

- *% Done changed from 0 to 100*

- *Status changed from Open to Closed*

Fixed in changeset commit:"8d65c9728065d5b34b4e8c0418ad7767ea6f514e".

#5 - 2012-01-12 12:41 AM - Sandro Santilli

The commit references don't make it obvious which branch contains the commit :(

I've no time to file a bug for that against hub...

Anyway, I'm assuming commit:8d65c9728065d5b34b4e8c0418ad7767ea6f514e is in 1.7.

Do we need to port in 1.8 as well ?

#6 - 2012-01-12 01:01 AM - Sandro Santilli

- *Status changed from Closed to Reopened*

Done in 1.7 branch and master (2.0).

Still needs to be taken care of in 1.8 branch.

#7 - 2012-01-12 01:02 AM - Jürgen Fischer

Sandro Santilli wrote:

| Fixed in changeset commit:"8d65c9728065d5b34b4e8c0418ad7767ea6f514e".

FTR I changed the commit message to contain "fixes #4767".

#8 - 2012-01-12 01:14 AM - Sandro Santilli

- *Assignee set to Tim Sutton*

@jef: great, thanks !

@tim: I've been told you're the one taking care of backports to 1.8 :)

#9 - 2012-04-09 04:24 PM - Giuseppe Sucameli

- *Resolution set to fixed*
- *Status changed from Reopened to Closed*

The fix seems already present in branch 1.8.