QGIS Application - Bug report #1713
PostgreSQL error message is odd: only last error is shown (others not shown)

2009-05-22 05:56 PM - Mike Taves

Status:	Closed		
Priority:	Low		
Assignee:	nobody -		
Category:	Data Provider		
Affected QGIS version:		**Regression?:**	No
Operating System:	Windows	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	fixed
Crashes QGIS or corrupts data:		**Copied to github as #:**	11773

Description

I'm going to describe this bug by example. Reply if you need more info to reproduce this behaviour.

I have a [[PostgreSQL]] database where I explicitly declare permissions on schema, table, etc. Normally, if I add a new table with a serial primary key and forget to set permissions for the sequence for certain roles, an error is normally returned. I see this error in, for example, an ODBC connection to MS Access or in pgAdmin logged in under the restricted role:

ERROR: permission denied for sequence foo_gid_seq

In QGIS (1.0.2 stable and 1.2.0 unstable), the behaviour is different. After drawing a new geometry and editing attributes and saving edits, the error message is instead:

ERROR: invalid input syntax for integer: ""

This problem took me a while to debug in QGIS, since it wasn't particularly useful. Inspecting the pgsql logs on the server, I see:

2009-05-22 17:25:29 PDT ERROR: permission denied for sequence foo_gid_seq
2009-05-22 17:25:29 PDT STATEMENT: select nextval('foo_gid_seq'::regclass)
2009-05-22 17:25:29 PDT ERROR: invalid input syntax for integer: ""
2009-05-22 17:25:29 PDT STATEMENT: INSERT INTO "public"."foo"("geometry","gid","name") VALUES
(GeomFromWKB($1::bytea,26910),$2,'Vancouver')

It appears that QGIS skips reporting the first error message, and only reports the second error message. (I'm also unsure why the transaction continues after the first error, but I don't really know the internals of how transactions work in QGIS with PG .. is "select nextval('foo_gid_seq'::regclass)" run separately from the second command, or is it internal to the PG database?).

My [[PostGIS]] server is installed on Ubuntu Hardy (all via apt-get) with postgis_full_version() info: POSTGIS="1.3.3"
GEOS="2.2.3-CAPI-1.1.1" PROJ="Rel. 4.6.0, 21 Dec 2007" USE_STATS

Associated revisions

Revision 3f60d725 - 2009-05-30 07:48 PM - Jürgen Fischer

- allow setting of field width and precision when adding attributes

- update vector data providers accordingly
- postgres provider:
  - add support for more native types and setting of column comments
  - catch errors on retrieval of defaults values (fixes #1713)

git-svn-id: http://svn.osgeo.org/qgis/trunk/qgis@10863 c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 3e01e6d3 - 2009-05-30 07:48 PM - Jürgen Fischer

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- update vector data providers accordingly
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History

#1 - 2009-05-30 10:50 AM - Jürgen Fischer

- Resolution set to fixed

- Status changed from Open to Closed

fixed in commit:3e01e6d3 (SVN r10864)