QGIS Application - Bug report #11235
Postgis integer field with null values

2014-09-20 03:15 AM - Pedro Venâncio

Status:	Closed		
Priority:	Severe/Regression		
Assignee:	Jürgen Fischer		
Category:	Data Provider/PostGIS		
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 #:**	19542

Description

When I'm editing PostGIS tables (they are actually related tables) in QGIS, if I leave an 'integer' field of this table as 'null' (blank), QGIS changes the field value to 0, instead of leaving it as 'null'.

This causes me a lot of troubles, since I have some triggers associated with these fields, which being filled with 0, make the triggers run, ending the result with no sense.

A simple test:

1. Create an Integer field in a PostGIS layer;
2. Try to put 0 in this field in any record in the attribute table. Is not possible, the field remains as null;
3. Put the value 1 in the same field, and then put 0. It already works this way;
4. Add the value 0 to a record with another editor;
5. Try to erase this value 0 in QGIS attribute table. If you try to simply delete the 0, QGIS fails, and keeps the 0. However, if you replace the 0 by any other number, and then delete, it already becomes null.

I tested this procedure in Windows with QGIS 1.7.4, 2.0.1-3, 2.2.0-1 and the problem described above does not happen. With QGIS 2.4.0-1 or 2.5, the problem occurs exactly as described, both in Windows and Linux.

It seems a regression so I marked it as blocker.

Associated revisions

Revision 6f84cdce - 2014-09-22 09:27 AM - Matthias Kuhn

Proper handling of NULL values for edit widgets

- Photo widget preserves NULL value
- Web widget preserves NULL value
- Attribute table can distinguish between 0 and NULL (Fix #11235)

History

#1 - 2014-09-22 12:34 AM - Matthias Kuhn

- Status changed from Open to Closed

Fixed in changeset commit:"6f84cdceab5cf3110ae8d2f62ed575682b9ca7c0".