

## QGIS Application - Bug report #16692

### Pb 0 instead of NULL when creating a new SHP field

2017-06-09 11:02 AM - Etienne MORO

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>		
<b>Category:</b>	Attribute table	
<b>Affected QGIS version:</b>	2.14.15	<b>Regression?:</b> Yes
<b>Operating System:</b>	Windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 24591
<b>Description</b>		
<p>In QGIS 2.14.15, with a SHP layer, when I create a new field (type real for example), when I save the modifications, all the values of this new field become 0.00 instead of keeping a NULL value. It's very annoying when you use this field with labeling placement, because all the labels are drawn at 0,0 instead of keeping an automatic placement when it's a NULL value.</p> <p>This bug is not present in QGIS 2.14.14 nor in QGIS 2.18.9.</p> <p>Best regards.</p>		

#### History

##### #1 - 2017-06-09 11:06 AM - Regis Haubourg

- Status changed from Open to Feedback

Hi Etienne,

shp can't handle NULL values, see: <http://support.esri.com/technical-article/000005811>

Maybe in previous version QGIS stored NULL until a real commit was made to the dbf and then it was converted back to 0. The behavior now is better, because it is less tricky.

If you need to handle NULL, consider using GPKG, spatialite, Postgis or any younger format than the old shp (the humoristic way to advertise it is here: <https://twitter.com/shapefile> :))

##### #2 - 2017-06-09 11:39 AM - Etienne MORO

- Status changed from Feedback to Open

Hello Regis,

I understand your explanation, but there is the same problem with an Gpkg file. So I think this is a real bug (not only for SHP files).

##### #3 - 2017-06-09 05:51 PM - Jürgen Fischer

Does this also apply to the 2.14 nightlies (qgis-ltr-dev) in OSGeo4W? Sounds like an issue related to GDAL/OGR 2.2, which should be fixed with commit:5fdde8a5ba89e4bb4ba4e008979a6b67742df9b0.

##### #4 - 2017-06-19 05:59 PM - Steve Lowman

I agree this is a real problem change, particularly for label placement in layers with many features. Suddenly we have a big problem, where there was

never a problem before. Sorry I have nothing more constructive to contribute, just suggesting high priority is appropriate for this. Any confirmation it will be fixed in 2.14.16?

**#5 - 2017-07-04 02:39 PM - Etienne MORO**

- *Status changed from Open to Closed*

Checked in QGis 2.14.16: no more problems. The bug seems to be corrected.

**#6 - 2017-07-05 09:36 AM - Giovanni Manghi**

- *Resolution set to fixed/implemented*