

## QGIS Application - Bug report #13089

### DBManager edit table dialog bug on notNull values

2015-07-08 05:31 AM - Médéric RIBREUX

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	DB Manager	
<b>Affected QGIS version:</b>	2.10.0	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch applied:</b>	Yes	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 21156
<b>Description</b>		
<p>Hello,</p> <p>I 've found a bug in the edit table dialog of DBManager.</p> <p>Whenever you try to edit a field, the notNull attribute is never retrieved (the checkBox "can be Null" is always checked even if the field has a NOT NULL constraint).</p> <p>I think that the problem comes from the TableFieldsModel class in db_plugins/data_model.py.</p> <p>The getObject method which is called when you click on the "Edit column" button always returned a False value because of the following line:</p> <pre>fld.notNull = self.data(self.index(row, 2), Qt.CheckStateRole) == Qt.Unchecked</pre> <p>Actually, the data in column 2 (notNull) doesn't have a Qt.CheckStateRole value (None), so the test is always false.</p> <p>Furthermore, the notNull column should be a checkboxed column and it only appears as a standard column (with True or False strings).</p> <p>By adding the two following lines in the append method of the TableFieldsModel class from db_plugins/data_model.py, I think that the bug is fixed.</p> <pre>... class TableFieldsModel(SimpleTableModel): ... def append(self, fld):     data = [fld.name, fld.type2String(), not fld.notNull, fld.default2String()]     self.appendRow(self.rowFromData(data))     row = self.rowCount() - 1     self.setData(self.index(row, 0), fld, Qt.UserRole)     self.setData(self.index(row, 1), fld.primaryKey, Qt.UserRole)     self.setData(self.index(row, 2), not fld.notNull, Qt.CheckStateRole) # set check state     self.setData(self.index(row, 2), None, Qt.DisplayRole) # don't show the value ... </pre> <p>Whith those two lines, the edit field dialog finds the good value for notNull variable and user can check the box directly inside the column.</p> <p>Thanks for fixing this...</p>		

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### Associated revisions

Revision a2ce73ae - 2015-08-25 12:46 AM - Giuseppe Sucameli

[DBManager] retrieve and store columns not null value when editing table (fix #13089)

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### History

#1 - 2015-07-31 08:39 AM - Giovanni Manghi

- Target version deleted (Version 2.12)
- Status changed from Open to Feedback

Well... thank you for the patch suggestion. May I ask you to make a Pull Request on QGIS Github repository? Thanks

<https://github.com/qgis/QGIS>

#2 - 2015-08-24 03:47 PM - Giuseppe Sucameli

- Status changed from Feedback to Closed

Fixed in changeset commit:"a2ce73aec07473b53159a5a87dfdea79944afacc".

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### Files

DBManager_not_null_checkbox_edit_field.png	29.7 KB	2015-07-08	Médéric RIBREUX
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