

QGIS Application - Bug report #19671

The Ok button for the form dialog is disabled for NOT NULL Postgres columns

2018-08-22 07:37 PM - Tudor Bărăscu

<div>Status: Open</div> <div>Priority: High</div> <div>Assignee:</div> <div>Category: Forms</div> <div>Affected QGIS version:3.5(master)</div> <div>Operating System:</div> <div>Pull Request or Patch supplied:</div> <div>Crashes QGIS or corrupts data:</div>	<div>Regression?: Yes</div> <div>Easy fix?: No</div> <div>Resolution:</div> <div>Copied to github as #: 27496</div>
<div>Description</div> <div>Some Postgres NOT NULL columns are filled automatically database side but the QGIS Dialog enforces filling of values. I found no way to disable this.</div> <div>To recreate:</div> <div>-</div> <div>CREATE TABLE testtable (id serial PRIMARY KEY, status integer NOT NULL, geom geometry(Point, 4326));</div> <div>- Add the table to a project.</div> <div>- Imagine there's a trigger/function that fills the status column automatically.</div> <div>- Try and add a feature without filling the status column</div> <div>- Problem: Cannot Save the dialog</div> <div><div>testtable - Feature Attributes</div><div>Actions</div><div>id<div>nextval('testtable_id_seq'::regclass)</div></div><div>status<div>NULL</div></div><div>OKCancel</div></div>	
<div>Related issues:</div> <div>Related to QGIS Application - Bug report # 20831: Range widget does not honor...Closed2018-12-18</div>	

History

#1 - 2018-08-23 08:49 AM - Alessandro Pasotti

How do you think QGIS would know if a NOT NULL column is filled by a trigger?

Do you have any solution in mind?

#2 - 2018-08-23 08:50 AM - Alessandro Pasotti

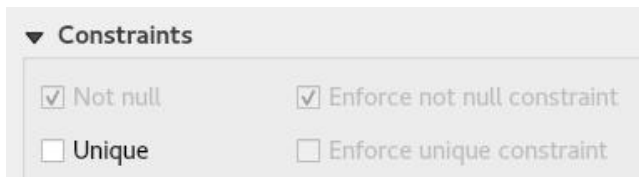
- Status changed from Open to Feedback

#3 - 2018-08-23 03:10 PM - Tudor Bărăscu

- File *problem1.jpg* added

From my perspective, it should all function like this:

- When QGIS detects the NOT NULL column, the QGIS side NOT NULL constraint should be enabled automatically
- However, the user should have the option to disable it



The screenshot shows a dialog box titled 'Constraints'. It contains two rows of checkboxes. The first row has 'Not null' (checked) and 'Enforce not null constraint' (checked). The second row has 'Unique' (unchecked) and 'Enforce unique constraint' (unchecked).

The user should be able to uncheck the Not Null checkbox in the constraints part

Sounds good?

Thank you for taking a look Alessandro!

#4 - 2018-08-23 03:27 PM - Alessandro Pasotti

- Tracker changed from *Bug report* to *Feature request*

That sounds reasonable to me, perhaps also issue a warning when the user unticks the checkbox: "The fields is marked NOT NULL but you are overriding this check, if you do not fill this field and there is nothing to set its value the operation will probably be rejected by the backend".

Changing to feature request (ok, I know it's debatable :)

#5 - 2018-10-15 07:48 AM - Tudor Bărăscu

- Status changed from *Feedback* to *Open*

#6 - 2018-10-15 07:49 AM - Nyall Dawson

- Assignee set to *Nyall Dawson*

#7 - 2018-10-15 08:08 AM - Nyall Dawson

- Status changed from *Open* to *Feedback*

- Assignee deleted (*Nyall Dawson*)

Does this relate to #20073 ?

#8 - 2018-10-15 09:15 AM - Tudor Bărăscu

@Nyall Yes! IMHO It's ok that the forms get the constraints automatically but the settings of the constraints should override this.

#9 - 2018-11-15 02:35 PM - Tudor Bărăscu

- Status changed from *Feedback* to *Open*

A workaround would be to simply fill those specific columns with a default value, -1 let's say and it will let you pass while the database logic will change it to what's supposed to be.

#10 - 2018-12-18 09:35 AM - Hugo Mercier

- Related to Bug report #20831: Range widget does not honor default value on not null column added

#11 - 2018-12-18 09:35 AM - Hugo Mercier

Tudor, about your proposed workaround, I observed this is not even possible when the primary key has the default widget "Range". It seems the Range widget does not take the default value into account. However changing the widget type to "Text editor" allows to use a default value (and postgres is ok to receive a text for an integer)

Related issue #20831

#12 - 2019-01-30 11:06 AM - Hugo Mercier

- Assignee set to Hugo Mercier

#13 - 2019-01-30 01:06 PM - Hugo Mercier

- Assignee deleted (Hugo Mercier)

#14 - 2019-01-30 03:39 PM - Jürgen Fischer

- Tracker changed from Feature request to Bug report
- Affected QGIS version set to 3.5(master)
- Crashes QGIS or corrupts data set to No
- Regression? set to Yes

Files

problem.jpg	11 KB	2018-08-22	Tudor Bărăscu
problem1.jpg	4.35 KB	2018-08-23	Tudor Bărăscu