QGIS Application - Bug report #12885
cannot add part to empty geometries anymore

2015-06-05 12:06 AM - Denis Rouzaud

Status:	Closed			
Priority:	Severe/Regression			
Assignee:	Nyall Dawson			
Category:	Digitising			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	20975	

Description

we used to be able to use "add part" map tool to set the geometies of features having NULL geometries.
this doesn't work anymore.

Related issues:

Related to QGIS Application - Feature request # 11319: Allow to (re)add featu...	**Closed**	**2014-10-03**

Associated revisions

Revision ad10b526 - 2015-10-13 07:59 AM - Nyall Dawson

Fix using add part tool to add part to geometryless rows

(fix #12885, #11319)

Also fix some potential crashes with edit tools and null geometry

Revision 8286b1fe - 2015-10-21 12:38 PM - Nyall Dawson

Really fix adding parts to null geometry (fix #12885)

History

#1 - 2015-06-05 02:18 AM - Marco Hugentobler

- Assignee set to Marco Hugentobler

#2 - 2015-06-05 12:05 PM - Giovanni Manghi

- Target version set to Future Release - High Priority

- Affected QGIS version changed from 2.8.2 to master

#3 - 2015-06-09 12:33 AM - Marco Hugentobler

This should work with current master branch. Could you check?

#4 - 2015-06-09 05:58 AM - Matthias Kuhn

- Status changed from Open to Closed

- Resolution set to fixed/implemented

Works for me,

thank you!

#5 - 2015-07-17 02:01 AM - Tudor Bărăscu

- Status changed from Closed to Reopened

Hi,

Just tested this and the tool doesn't work anymore (at least for point geometries).
At first I thought I used the add ring tool but unfortunately I did the correct steps.

Tested with 2.10 -- Debian 8 and Windows.
Tested with master build under Debian 8.

The problem doesn't exist in the the latest 2.8 build.

Error:

PostGIS error while changing geometry values: ERROR: Geometry type (MultiPoint) does not match column type (Point).

I only have Point geometries in that table.

Thanks,
Tudor

#6 - 2015-09-10 01:58 AM - Denis Rouzaud

https://github.com/qgis/QGIS/pull/2305

#7 - 2015-10-12 10:11 PM - Nyall Dawson

- Assignee changed from Marco Hugentobler to Nyall Dawson

#8 - 2015-10-12 11:00 PM - Nyall Dawson

- Status changed from Reopened to Closed

Fixed in changeset commit:"ad10b5264e45e4d298c5a256618d6bbb96a84944".

#9 - 2015-10-20 10:39 PM - Tudor Bărăscu

- Status changed from Closed to Reopened

I still get

    Geometry type (MultiPoint) does not match column type (Point)

I understand that a solution would be to have the geometry as Multipart but for a case (https://github.com/qwat/qwat-data-model/issues/27) where I'm

using a layer with valves (two point geometries, one to describe the valve position on the pipe and the other on top of the handle - ground level) MultiPoint doesn't seem right.

#10 - 2015-10-20 10:51 PM - Nyall Dawson

- Status changed from Reopened to Feedback

Can you please post (asap) a sample dataset and steps to reproduce this? I can't confirm in master...

#11 - 2015-10-21 12:49 AM - Tudor Bărăscu

Of course: https://www.dropbox.com/s/mlex6kjaj2prfby/add_part_bug.zip?dl=0

As in this sample data set the data is in sqlite format, the error thrown now is:

    Could not commit changes to layer valve_handle

    Errors: ERROR: 1 geometries not changed.

     Provider errors:
       SQLite error: valve.geom_handle violates Geometry constraint [geom-type or SRID not allowed]
       SQL: UPDATE "valve" SET "geom_handle"=GeomFromWKB(?, 3844) WHERE ROWID = ?

Steps to recreate the bug

By opening the project you will see too QGIS layers that are pointing to the same valve table, but at different geometry columns (geom and geom_handle) both of type Point.
I created a feature in the valve (geom) layer, and I want to add a valve handle location (geom_handle).

In order to do this:
- select the valve_handle layer (based on geom_handle), open the attribute table and select the wanted feature (it's the only one in this case) then use the add part tool to create a point geometry in the geom_handle column.

The tool creates the geometry as it should but trying to save outputs the above error.

This workflow worked until QGIS 2.10, and is present on current Master.

Thanks Nyall for looking into it,
All the best

#12 - 2015-10-21 03:06 AM - Matthias Kuhn

Nyall, you can ping me if you have troubles. I can reproduce it locally.

#13 - 2015-10-21 03:38 AM - Nyall Dawson

- Status changed from Feedback to Closed

Fixed in changeset commit:"8286b1fe39b11be7e92b08532be91b2f68cc0ef6".

#14 - 2015-10-21 05:01 AM - Tudor Bărăscu

It works like a charm!

Thanks Nyall