

QGIS Application - Bug report #14007

Can't create new features from Postgis Table with Z component

2015-12-18 07:15 AM - Alexandre Neto

Status: Closed	
Priority: Normal	
Assignee:	
Category: Data Provider/PostGIS	
Affected QGIS version: 2.12.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	Copied to github as #: 22020

Description

In QGIS 2.12, having a Postgis table with Z component. It's not possible to add a new features, as it fails to save. Yet, It's possible to edit or copy/paste existing features.

The issue can be replicated by doing the following:

Creating a table in Postgis:

```
CREATE TABLE test
(
  gid serial primary key,
  name character varying(100),
  geom geometry(MultiPolygonZ,4326)
);
```

Insert a record:

```
INSERT INTO test (name,geom) VALUES
('polygon 1 single flat', ST_GeomFromText('MultiPolygonZ (((-30.0 42.0 0, -30.0 41.0 0, -29.0 41.0 0, -29.0 42.0 0, -30.0 42.0 0))',4326));
```

Open the table in QGIS, start editing and create a new feature.

Trying to save the edits you will get the following error:

Could not commit changes to layer test

Errors: ERROR: 1 feature(s) not added.

Provider errors:

PostGIS error while adding features: ERRO: Column has Z dimension but geometry does not

If you copy paste the features to notepad, you notice that the geometry of the created feature lacks the Z component.

Also, it's impossible to edit the Z component with the new node editor.

This was already happening in QGIS 2.8.

History

#1 - 2015-12-20 04:22 PM - Pedro Venâncio

I can confirm this issue. Some information about it with sample data:

<http://osgeo-org.1560.x6.nabble.com/Problem-editing-and-exporting-3D-Postgis-layers-td5240800.html>

#2 - 2017-05-01 01:06 AM - Giovanni Manghi

- *Easy fix? set to No*
- *Regression? set to No*

#3 - 2017-09-08 01:35 PM - Jürgen Fischer

- *Assignee deleted (Jürgen Fischer)*

#4 - 2017-10-04 03:50 PM - Giovanni Manghi

- *Resolution set to fixed/implemented*
- *Description updated*
- *Status changed from Open to Closed*

This particular problem (adding a new feature) seems solved in 2.18.13 and master. There are others anyway in 2.18 that are not there in 2.14 and master:

existing line/polygon features cannot be moved, the node tool is not able to move vertexes and the Z value of nodes cannot be changed.

Will file a new ticket.