

## QGIS Application - Bug report #14007

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

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

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Data Provider/PostGIS	
<b>Affected QGIS version:</b>	2.12.0	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 22020
<b>Description</b>		
<p>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.</p> <p>The issue can be replicated by doing the following:</p> <p>Creating a table in Postgis:</p> <pre>CREATE TABLE test (   gid serial primary key,   name character varying(100),   geom geometry(MultiPolygonZ,4326) );</pre> <p>Insert a record:</p> <pre>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));</pre> <p>Open the table in QGIS, start editing and create a new feature.</p> <p>Trying to save the edits you will get the following error:</p> <pre>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</pre> <p>If you copy paste the features to notepad, you notice that the geometry of the created feature lacks the Z component.</p> <p>Also, it's impossible to edit the Z component with the new node editor.</p> <p>This was already happening in QGIS 2.8.</p>		

#### 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.