QGIS Application - Bug report #14006
Can't export layers from Postgis tables with Z component geometries
2015-12-18 06:55 AM - Alexandre Neto

Status:	Closed			
Priority:	Severe/Regression			
Assignee:	Hugo Mercier			
Category:	Data Provider/PostGIS			
Affected QGIS version:	2.12.0		**Regression?:**	No
Operating System:			**Easy fix?:**	No
Pull Request or Patch supplied:	No		**Resolution:**	
Crashes QGIS or corrupts data:	No		**Copied to github as #:**	22019

Description

In QGIS 2.12, having a layer from a Postgis table with Z component geometries, it's not possible to save as/export the data.

You can test it by creating the following table in Postgis:

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

and inserting a record like the following example:

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 it in QGIS and try to save as. You will get the following error:

Export to vector file failed.
Error: Feature write errors:
Feature geometry not imported (OGR error:)
Only 0 of 1 features written.

This works well in QGIS 2.8.4, therefore I have set it as blocker.

Associated revisions

Revision 4e4743a2 - 2016-02-26 05:07 AM - Nyall Dawson

Fix saving vector layers with z dimension (fix #14006, #12373)

History

#1 - 2015-12-20 04:21 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 - 2015-12-27 04:20 AM - Giovanni Manghi

is this a regression also compared to #12373 ?

#3 - 2016-01-25 02:35 AM - Hugo Mercier

Hi. There is a bug indeed. If I am correct, in 2.8 it converted the geometry to 2D before exporting ?
I may be because OGR does not handle 3D geometry correctly

#4 - 2016-02-25 08:09 PM - Nyall Dawson
- Status changed from Open to Closed

Fixed in changeset commit:"4e4743a2cd4d09e218a1335d8fde6b837e63c8b3".

#5 - 2016-04-27 07:50 AM - lire lire
- Status changed from Closed to Reopened
- Assignee changed from Jürgen Fischer to Hugo Mercier

In 2.14, features newly created by hand can be saved, but copying data from a layer without Z coordinate and pasting it into a PostGIS Z-layer leads upon saving to an "ERROR: Column has Z dimension but geometry does not" - the same as before.

#6 - 2016-04-27 11:18 AM - Nyall Dawson
- Status changed from Reopened to Closed

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Please open a new bug report about this - it is unrelated to the original closed report.