

QGIS Application - Bug report #3641

Bug in ShapeFile to postgis import Tool

2011-03-19 06:05 AM - mickael1 -

Status:	Closed	
Priority:	Low	
Assignee:		
Category:	Vectors	
Affected QGIS version:		Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:		Resolution: invalid
Crashes QGIS or corrupts data:		Copied to github as #: 13700
Description		
<p>Once I've created a shapefile with dxf2shp module, I tried to use the module : shapefile to postgis, but i got :</p> <p>The database gave an error while executing this SQL:</p> <pre>SELECT [[AddGeometryColumn]]('public','test1','the_geom',-1,'NULL',2)</pre> <p>The error was:</p> <p>ERREUR: Invalid type name - valid ones are:</p> <p>POINT, MULTIPOINT, LINESTRING, MULTILINESTRING, POLYGON, MULTIPOLYGON, CIRCULARSTRING, COMPOUNDCURVE, MULTICURVE, CURVEPOLYGON, MULTISURFACE, GEOMETRY, GEOMETRYCOLLECTION, POINTM, MULTIPOINTM, LINESTRINGM, MULTILINESTRINGM, POLYGONM, MULTIPOLYGONM, CIRCULARSTRINGM, COMPOUNDCURVEM, MULTICURVEM CURVEPOLYGONM, MULTISURFACEM, or GEOMETRYCOLLECTIONM</p> <p>CONTEXT: SQL statement "SELECT [[AddGeometryColumn]](_, \$1, \$2, \$3, \$4, \$5, \$6)" fonction PL/pgsql Ã« addgeometrycolumn Ã», ligne 4 Ã« instruction SQL</p> <p>Using r15530.</p>		

History

#1 - 2011-03-19 11:58 AM - Mayeul Kauffmann

Hi,

I opened the dxf with [[TatukGIS]] viewer and I saw that it seems to be a mix of polygons and linestring. Can you confirm this? You cannot combine these with [[AddGeometryColumn]]() under postgis, except on one condition. If I'm correct, the only way is with the GEOMETRYCOLLECTION type.

But according to this: <http://jira.codehaus.org/browse/GEOS-3726>

"Geometry collections cannot be stored in shapefiles, it's a limit of the file format".

Can you share the shape file as well and detail exactly which geometry type you want to import?

Does the shapefile display well under qgis?

The version of the function used here is the one with 7 parameters:

```
[[AddGeometryColumn]](varchar catalog_name, varchar schema_name, varchar table_name, varchar column_name, integer srid, varchar type, integer dimension);
```

The 6th one "\$5" was 'NULL' (should contain the geometry type). Could that be related to the following? "Geometry Collection class [...] Currently only implements empty collections" as seen in Java doc here:

<http://postgis.refrations.net/documentation/javadoc/org/postgis/GeometryCollection.html>

#2 - 2011-03-19 12:52 PM - mickael1 -

Yes you are right,

during the process of creating the shapefile (qgis => open dxf file => layer menu => save as) I got some errors :

Export to vector file failed.

Error: Feature write errors:

Feature creation error (OGR error: Attempt to write non-polygon (LINESTRING) geometry to POLYGON type shapefile.)

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#3 - 2011-03-19 02:55 PM - Mayeul Kauffmann

- Resolution set to invalid
- Status changed from Open to Closed

You wrote: "I think that when we save the layer to shapefile (qgis => open dxf file => layer menu => save as), you forgot to ask the type of the layer (point, polygon, linestring)."

I guess the idea of the coders here was that you should only ask the conversion from A to B if A can be converted into B. Hence the only bug here is that the error message could be easier to understand, so I'm closing the bug (I guess you can reopen the bug -- or file a new ticket -- if you insist that the error message should be clearer).

The other thing that you are suggesting is, if I understand correctly, a proposal for an enhancement: if A is a file with two components (A1=line, A2=polygons), the user could choose which of these components to convert into B. You can open a new ticket for this enhancement. (In this case, make a comment in both tickets -- #3641 and the new one --- linking to the other).

Files

sample_for_qgis.7z	107 KB	2011-03-19	mickael1 -
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