

# Application: gvSIG desktop - gvSIG bugs #1920

## Adapting to PostGIS 2.0

06/19/2013 08:46 AM - Ignacio Brodín

<b>Status:</b> Closed	<b>% Done:</b> 0%
<b>Priority:</b> Normal	<b>Spent time:</b> 0.00 hour
<b>Assignee:</b> Ignacio Brodín	
<b>Category:</b> Database	
<b>Target version:</b>	
<b>Severity:</b>	<b>Add-on version:</b>
<b>gvSIG version:</b> 2.0.0	<b>Add-on build:</b>
<b>gvSIG build:</b> 2217	<b>Add-on resolve version:</b>
<b>Operative System:</b>	<b>Add-on resolve build:</b>
<b>Keywords:</b>	<b>Proyecto:</b>
<b>Has patch:</b> No	<b>Hito:</b>
<b>Add-on name:</b> Unknown	

### Description

Now, vector layers in PostGIS 2.0 cannot be loaded in gvSIG v2.

### History

#### #1 - 06/19/2013 09:19 AM - Ignacio Brodín

Steps to migrate:

- 1- Adapt old functions that have been deprecated to the new ones
- 2- Modify the WKB reader to load 3D geometries. Be careful, the 2D layers are loaded with two dimensions in the database but 3D layers with four dimensions 3D+M. Now gvSIG 2 does not have the M dimension.
- 3- Modify the getFeatureType of this provider. Now, if the layer is 3D+M it will return the type GEOM3DM. This type is defined, but does not exist an implementation, so gvSIG crashes.
- 4- Now, the writer send 2D geometries using the WKB writer in JTS library. We have to send geometries in 3D if the layer is edited.

#### #2 - 06/24/2013 04:41 PM - Ignacio Brodín

I tested the result in PostGIS 2.0 and 1.5 editing layers polylines and polygons 2D 3D. The Z coordinate cannot be change but if you modify a geometry, preserve the old value. If you create new geometries the Z is always zero.

gvsig-desktop:r40414  
gvsig-desktop:r40415  
gvsig-desktop:r40416  
gvsig-desktop:r40417  
gvsig-desktop:r40418  
gvsig-desktop:r40419

#### #3 - 06/24/2013 04:41 PM - Ignacio Brodín

- Status changed from New to Fixed

#### #4 - 06/26/2013 09:17 AM - Cesar Ordina

Nacho, thanks for adding that new capability to gvSIG! It is a very nice addition, as each day more users are using the PostGIS 2.0 version, and I think it is a must.

Only a small note: in the r:40415 of the WKBPaser3.java file, you added a System.out.println sentence. Please, remove it or replace it with a call to a SLF4J logger call whenever you can.

**#5 - 01/28/2014 09:29 AM - Álvaro Anguix**

- Status changed from Fixed to Closed

**#6 - 01/28/2014 10:00 AM - Álvaro Anguix**

- Status changed from Closed to New

- Target version changed from 2.1.0-2217-devel to 2.1.0-2218-testing

- gvSIG version changed from 2.0.0 to 2.1.0

- gvSIG build set to 2217

Lo que comenta César parece que no está hecho

**#7 - 01/28/2014 12:56 PM - Ignacio Brodín**

- Status changed from New to Fixed

- Target version deleted (2.1.0-2218-testing)

- gvSIG version changed from 2.1.0 to 2.0.0

**#8 - 01/28/2014 01:09 PM - Álvaro Anguix**

- Status changed from Fixed to Closed