

# Application: gvSIG desktop - gvSIG bugs #2694

## Numeric types management of PostGIS tables

07/21/2014 11:16 AM - Antonio Falciano

<b>Status:</b>	Closed	<b>% Done:</b>	0%
<b>Priority:</b>	Normal	<b>Spent time:</b>	0.00 hour
<b>Assignee:</b>	José Badía		
<b>Category:</b>	Database		
<b>Target version:</b>	2.2.0-2302 (rev. org.gvsig.desktop-2.0.89)		
<b>Severity:</b>	Major	<b>Add-on version:</b>	
<b>gvSIG version:</b>	2.1.0	<b>Add-on build:</b>	
<b>gvSIG build:</b>	2237	<b>Add-on resolve version:</b>	
<b>Operative System:</b>		<b>Add-on resolve build:</b>	
<b>Keywords:</b>	postgis, width, length, precision	<b>Proyecto:</b>	
<b>Has patch:</b>		<b>Hito:</b>	
<b>Add-on name:</b>	Unknown		

### Description

PostGIS Integer values are read (and converted) in gvSIG as Double ones with length 11 and precision 10.

Example: add the *spatial\_ref\_sys* PostGIS table and convert it to DBF: the *auth\_srid* field is converted from integer to double (11,10). Instead, PostGIS Numeric values seem to be converted as Double with length 18 and precision 1.

For instance, this is how GDAL/OGR converts fields without an explicit width:

- \* Integer fields without an explicit width are treated as width 11.
- \* Real (floating point) fields without an explicit width are treated as width 24 with 15 decimal places of precision.
- \* String fields without an assigned width are treated as 80 characters.

(Source: [http://www.gdal.org/drv\\_shapefile.html](http://www.gdal.org/drv_shapefile.html))

### Related issues:

Related to Application: gvSIG desktop - gvSIG bugs # 2858: Fields of type Flo...

**Closed**

**10/08/2014**

### Associated revisions

**Revision 42041 - 02/24/2015 04:44 PM - José Badía**

fixes #2694, #2858

Numeric types management of PostGIS tables

Fields of type Float have an invalid value in PostGIS layers

### History

**#1 - 10/08/2014 01:04 PM - Antonio Falciano**

**Priority:** High

**Severity:** Critical

An example of issue due to the wrong management of PostGIS field types is reported in #2858.

**#2 - 10/13/2014 07:10 AM - Álvaro Anguix**

- Related to gvSIG bugs #2858: Fields of type Float have an invalid value in PostGIS layers added

**#3 - 12/10/2014 11:47 AM - Antonio Falciano**

This issue is still present in the RC3.

**#4 - 02/20/2015 09:22 AM - Álvaro Anguix**

- *Target version set to 2.2.0-2311-rc2*

- *Assignee set to José Badía*

**#5 - 02/24/2015 04:42 PM - José Badía**

- *Status changed from New to Fixed*

PostGIS Numeric value fixed as Double (with its same characteristics of precision and width).

**#6 - 03/02/2015 11:28 AM - Joaquín del Cerro Murciano**

- *Target version changed from 2.2.0-2311-rc2 to 2.2.0-2302 (rev. org.gvsig.desktop-2.0.89)*

**#7 - 04/10/2015 01:38 PM - Álvaro Anguix**

- *Status changed from Fixed to Closed*