

## QGIS Application - Bug report #18204

### Failure to load PostGIS raster without bands

2018-02-24 01:18 PM - Paolo Cavallini

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>	Alessandro Pasotti	
<b>Category:</b>	DB Manager	
<b>Affected QGIS version:</b>	3.3(master)	<b>Regression?:</b> Yes
<b>Operating System:</b>	Ubuntu 16.04	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> worksforme
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 26095
<b>Description</b>		
<p>List of tables, including rasters, are correctly displayed in DB Manager. When double clicking, loading fails with the message:</p> <pre>Cannot open GDAL dataset PG: dbname= Couldn't establish database connection</pre> <p>In the dialog, username and password are requested. Vectors are loaded correctly.</p> <p>To replicate:</p> <pre>-- create an empty table CREATE TABLE public.test_raster (   rid integer,   rast raster,   CONSTRAINT enforce_height_rast CHECK (st_height(rast) = ANY   (ARRAY[100, 24])),   CONSTRAINT enforce_width_rast CHECK (st_width(rast) = ANY (ARRAY[100,   24])),   CONSTRAINT enforce_srid_rast CHECK (st_srid(rast) = 4326) );  -- create an empty raster INSERT INTO test_raster(rid,rast) VALUES(1, ST_MakeEmptyRaster( 100, 100, 0.0005, 0.0005, 1, 1, 0, 0, 4326) );  -- add primary key ALTER TABLE test_raster ADD CONSTRAINT test_pkey PRIMARY KEY (rid);</pre>		

#### History

#1 - 2018-02-24 05:18 PM - Giovanni Manghi

- Priority changed from Normal to High

#2 - 2018-09-05 03:44 PM - Giovanni Manghi

- Affected QGIS version changed from 3.0.0 to 3.3(master)

**#3 - 2018-09-24 02:09 PM - Alessandro Pasotti**

- Assignee set to Alessandro Pasotti

**#4 - 2018-09-24 02:23 PM - Alessandro Pasotti**

- Status changed from Open to Feedback

I could not reproduce exactly the same issue as I get a different message from DB manager: "Cannot get GDAL raster band:"

As reported by [https://postgis.net/docs/RT\\_ST\\_MakeEmptyRaster.html](https://postgis.net/docs/RT_ST_MakeEmptyRaster.html), a raster with 0 bands is created by ST\_MakeEmptyRaster, QGIS needs at least one band so this error makes sense.

The error you mention about the connection appears to be different and I cannot reproduce it.

**#5 - 2018-09-24 02:24 PM - Alessandro Pasotti**

- Subject changed from Failure to load PostGIS raster to Failure to load PostGIS raster without bands

**#6 - 2018-09-24 02:50 PM - Giovanni Manghi**

| The error you mention about the connection appears to be different and I cannot reproduce it.

something seems to have changed(?). Now I see the same as you, but a few days ago I have confirmed what described by the reporter.

**#7 - 2018-09-25 08:01 AM - Alessandro Pasotti**

In any event, the raster generated with ST\_MakeEmptyRaster has no bands and will never be opened by QGIS.

Can we close this?

**#8 - 2018-09-27 09:50 AM - Paolo Cavallini**

- Resolution set to worksforme

- Status changed from Feedback to Closed

Thanks