

# QGIS Application - Bug report #4470

## cursor states lost with identify tool on postgis layer

2011-10-31 05:15 AM - Sandro Santilli

|   |                                     |
|---|-------------------------------------|
| <b>Status:</b> Closed   |                                     |
| <b>Priority:</b> Normal   |                                     |
| <b>Assignee:</b>  |                                     |
| <b>Category:</b> Data Provider/PostGIS  |                                     |
| <b>Affected QGIS version:</b> master  | <b>Regression?:</b> No              |
| <b>Operating System:</b>  | <b>Easy fix?:</b> No                |
| <b>Pull Request or Patch supplied:</b> No   | <b>Resolution:</b> fixed            |
| <b>Crashes QGIS or corrupts data:</b> No  | <b>Copied to github as #:</b> 14397 |
| <b>Description</b>  |                                     |
| Trying to identify a feature from a postgis layer I get a message:<br>Warning: Query: CLOSE qgisf2 returned 7 [ERROR: current transaction is aborted, commands ignored until end of transaction block ]<br><br>Server logs show:<br>2011-10-31 13:11:15 CET ERROR: Operation on mixed SRID geometries<br>2011-10-31 13:11:15 CET STATEMENT: fetch forward 200 from qgisf2<br>2011-10-31 13:11:15 CET ERROR: current transaction is aborted, commands ignored until end of transaction block<br><br>I dunno how to further debug this issue. In particular I don't know what's the query being sent... |                                     |

### Associated revisions

Revision f990886b - 2013-05-25 01:18 AM - Jürgen Fischer

fix #4470 and #7889

### History

#1 - 2011-12-16 02:10 PM - Giovanni Manghi

- Target version set to Version 1.7.4

#2 - 2012-01-16 08:19 AM - Sai Nerella

- Affected QGIS version set to master

- Crashes QGIS or corrupts data set to No

Any update on this issue? I am using Quantum GIS 1.7.3 to identify features on Postgis 1.5.2 layers. I have the same issue.

1 cursor states lost.

SQL: declare qgisf2 binary cursor for select

function intersects(geography, geometry) does not exist....

LINE 1: ...4336602647 43.8916652467107795)::box3d,4326) and intersects.....

HINT: No function matches the given name and argument types. You might need to add explicit type casts.

)...

#3 - 2012-01-18 07:46 AM - Alexander Bruy

Confirmed on master with PostGIS 2.0SVN database. Errors are

1 cursor states lost.

SQL: CLOSE qgisf0

Result: 7 (ERROR: current transaction is aborted, commands ignored until end of transaction block)

Fetching from cursor qgisf0 failed

Database error: ERROR: Operation on mixed SRID geometries

Query: CLOSE qgisf0 returned 7 [ERROR: current transaction is aborted, commands ignored until end of transaction block]

#### #4 - 2012-01-18 12:35 PM - Sandro Santilli

Alexander: are you also using 1.7.3 ? Did you try with 1.7 branch ?

Sai Nerella: your case is a different one. If you still have problem with the 1.7 git branch please file another ticket.

#### #5 - 2012-01-18 12:37 PM - Sandro Santilli

I think my issue is about having geometries with mixed SRIDs into the same table. Something for which support seems fixed in master in that rows are also filtered by SRID. Do you confirm jef ?

#### #6 - 2012-01-19 10:56 AM - Alexander Bruy

Sandro Santilli wrote:

| Alexander: are you also using 1.7.3 ? Did you try with 1.7 branch ?

No, I'm on master. Now with commit:27249d8 I can't reproduce this error

#### #7 - 2012-01-19 02:26 PM - Sandro Santilli

- Target version changed from Version 1.7.4 to Version 2.0.0

- Resolution set to fixed

I'll assume it's fixed then. Could not reproduce with 1.7, if anyone can feel free to reopen or file another one.

#### #8 - 2012-01-22 11:48 PM - Jürgen Fischer

- Status changed from Open to Closed

#### #9 - 2013-03-23 05:41 AM - Rudi von Staden

- Status changed from Closed to Reopened

#### Description

I am seeing this on QGIS 1.8 and on master (revision ee96d38) with a particular table. I think the problem occurs when the SRID of a field is different from the SRID of the data contained in the field. I encountered the issue when I loaded an unprojected shapefile (attached) into postgis, and then updated the

srid with UPDATE testdata SET geom=ST\_SetSRID(geom,4326); The result of select find\_srid('public','testdata','geom'); is then 0, but SELECT DISTINCT ST\_SRID(geom) FROM testdata; returns 4326. Loading such a table into QGIS will result in the errors below.

### Error messages

Fetching from cursor qgisf0 failed

Database error: ERROR: Operation on mixed SRID geometries

Query: CLOSE qgisf0 returned 7 [ERROR: current transaction is aborted, commands ignored until end of transaction block]

1 cursor states lost.

SQL: CLOSE qgisf0

Result: 7 (ERROR: current transaction is aborted, commands ignored until end of transaction block)

### Steps to reproduce

1. Load attached shapefile in postgis (postgis 2.0, postgres 9.1.8 on ubuntu 12.10):

```
shp2pgsql Grid50_RSA tempdata | psql -d <qgisdb>
```

2. Update the srid of all records in the table:

```
UPDATE testdata SET geom=ST_SetSRID(geom,4326);
```

3. Load in new QGIS session (either 1.8 or master) using DB Manager

4. Try to identify a feature using identify features.

### Workaround

1. Add a new geometry column to the table, eg

```
SELECT AddGeometryColumn('testdata','the_geom',4326, 'MULTIPOLYGON', 2);
```

2. Transform the geometry to the new column, eg

```
UPDATE testdata SET the_geom = ST_Transform(geom,4326);
```

3. Drop the old column:

```
alter table testdata drop column geom;
```

4. Rename the new column to the old name:

```
alter table testdata rename column the_geom to geom;
```

5. Check that the following two commands give the same result:

```
SELECT DISTINCT ST_SRID(geom) FROM testdata;
```

```
select find_srid('public','testdata','geom');
```

**#10 - 2013-05-24 04:19 PM - Jürgen Fischer**

- Status changed from Reopened to Closed

Fixed in changeset commit:"f990886b61d920cf1ef82d940413e56611bc5685".