

QGIS Application - Bug report #10694

Oracle Provider: Cannot open subqueries

2014-06-24 04:46 AM - Médéric RIBREUX

Status: Closed	
Priority: Normal	
Assignee: Jürgen Fischer	
Category: Data Provider/Oracle	
Affected QGIS version: 2.2.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 19090

Description

Hello,

with Database Manager plugin, QGIS is able to open spatial queries between two or more tables on a PostGIS server. The table definition (in the project file) is then a query of the following form (instead of a table name): (SELECT b.* FROM a INNER JOIN b ON ST_Intersects(a.geom, b.geom)). It is a way to handle dynamic queries in a project.

It seems that even if there is no Oracle part in Database Manager plugin, Oracle Provider is able to deal with such dynamic queries (cf: <https://github.com/qgis/QGIS/blob/master/src/providers/oracle/qgsoracleprovider.cpp#L812>). But even if there is something in the code, I am not able to open a table which is a valid SQL query.

Here is an example of table definition under my Qgis project:

```
<datasource>dbname='oracle' port=1521 user='user' password='password' key='GID' estimatedmetadata=true srid=27562 type=MULTIPOLYGON table="(SELECT b.* FROM a, b WHERE SDO_RELATE(a.geom, b.geom, 'mask=touch') = 'TRUE')" (GEOM) sql=</datasource>
```

When I try to open the project file, Oracle provider launch the following query:

```
SELECT * FROM (SELECT b.* FROM a, b WHERE SDO_RELATE(a.geom, b.geom, 'mask=touch') = 'TRUE') AS "subQuery_0" WHERE 1=0
```

This query seems to have a problem with the AS statement which should identifies an alternative name for a column, not a table or a subquery. Oracle server returns an ORA-00933 error code.

The following query works:

```
SELECT * FROM (SELECT b.* FROM a, b WHERE SDO_RELATE(a.geom, b.geom, 'mask=touch') = 'TRUE') WHERE 1=0
```

You just need to delete the AS statement.

Or perhaps the WITH clause should be used:

```
WITH "subQuery_0" AS (SELECT b.* FROM a, b WHERE SDO_RELATE(a.geom, b.geom, 'mask=touch') = 'TRUE') SELECT * FROM "subQuery_0" WHERE 1=0
```

Even if there seems to be no other way to build those query from manually modifying QGIS project file, I still believe this is a bug because Oracle provider seems to have the necessary code to handle those subqueries.

Thanks to try to fix this...

Associated revisions

Revision 10d0ac04 - 2014-06-24 05:25 PM - Jürgen Fischer

oracle provider: fix subquery support (fixes #10694)

History

#1 - 2014-06-24 08:26 AM - Jürgen Fischer

- *Status changed from Open to Closed*

Fixed in changeset commit:"10d0ac04bf11fbf6ca2a0f46771098149d616251".