QGIS Application - Bug report #10091
Oracle provider SRID management

2014-04-18 04:17 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:	No	**Resolution:**		
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	18559	

Description

Hello,

when you open a layer in Oracle Spatial, the first query grabs the list of the tables with their SRID. Then Qgis launch a query per layer to grab the geometry type and SRID also:

    SELECT DISTINCT t."COLONNE_GEOMETRIQUE".SDO_GTYPE,t."COLONNE_GEOMETRIQUE".SDO_SRID
      FROM (SELECT "GEOM" FROM "SCHEMA"."TABLE_A_INTERROGER" WHERE "COLONNE_GEOMETRIQUE" IS NOT
    NULL AND rownum<=100) t
      WHERE NOT t."COLONNE_GEOMETRIQUE" IS NULL;

When this table specific query is launched, a layerProperty.srids.clear() is made (see src/provider/oracle/qgsoracleconn.cpp). Then the SRID is computed from the results of the query above.

When you have an empty layer, this query returns nothing and then the SRID of the layer is unknown even when it is well declared in USER_SDO_GEOM_METADATA (or ALL_SDO_GEOM_METADATA).

So, I believe that the layerProperty.srids.clear() function should only be launched when there are SRIDs returned by the query above. If no SRIDs are returned, just keep the one that has been returned for the complete tables list query. I think that the layerProperty.srids.clear() statement should be in the bloc code that get the srids (and the geometry). Otherwise it can perhaps be completly removed...

Associated revisions

Revision 3978bff4 - 2014-04-19 10:14 PM - Jürgen Fischer

oracle provider:

- retrieve comment of materialized views (implements #10063)
- use detected srid (fixes #10091)
- initialize mUseEstimatedMetadata (fixes #10092)
- also consider username in temporary saved credentials (fixes #10093)

History

#1 - 2014-04-18 10:11 AM - Jürgen Fischer

- Target version changed from Version 2.4 to Future Release - High Priority

- Category set to Data Provider/Oracle

#2 - 2014-04-19 01:15 PM - Jürgen Fischer

- Status changed from Open to Closed

Fixed in changeset commit:"3978bff44709dd251f1739b441a5934f06653011".