

QGIS Application - Bug report #7357

Adding SDO_GEOMETRY in Oracle to visualize in Qgis

2013-03-14 08:05 AM - Timothy Ellersiek

Status:	Closed	
Priority:	High	
Assignee:		
Category:		
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 16332
Description		
Hi there, I am having a problem with Qgis when connecting to my Oracle Spatial Database. My tables contain the SDO_Geometry column, however, Qgis doesn't list these tables as "without Geometries". If I use this simple Oracle Tutorial it doesn't work either. Could someone please help me on this? Thanks in advance! <pre>DROP TABLE customers; DROP TABLE stores; DROP INDEX customers_sidx; DROP INDEX stores_sidx; DELETE FROM USER_SDO_GEOM_METADATA WHERE TABLE_NAME = 'CUSTOMERS' AND COLUMN_NAME = 'CUST_GEO_LOCATION'; DELETE FROM USER_SDO_GEOM_METADATA WHERE TABLE_NAME = 'STORES' AND COLUMN_NAME = 'STORE_GEO_LOCATION'; -- Create table for customer information. CREATE TABLE customers (customer_id NUMBER, last_name VARCHAR2(30), first_name VARCHAR2(30), street_address VARCHAR2(40), city VARCHAR2(30), state_province_code VARCHAR2(2), postal_code VARCHAR2(9), cust_geo_location SDO_GEOMETRY); -- Create table for store information. CREATE TABLE stores (store_id NUMBER, description VARCHAR2(100), street_address VARCHAR2(40), city VARCHAR2(30), state_province_code VARCHAR2(2), postal_code VARCHAR2(9), store_geo_location SDO_GEOMETRY); -- Insert customer data.</pre>		

```
INSERT INTO customers VALUES
(1001,'Nichols', 'Alexandra',
'17 Maple Drive', 'Nashua', 'NH','03062',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-71.48923,42.72347,NULL), NULL, NULL));
```

```
INSERT INTO customers VALUES
(1002,'Harris', 'Melvin',
'5543 Harrison Blvd', 'Reston', 'VA', '20190',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE(-70.120133,44.795766,NULL), NULL, NULL));
```

```
INSERT INTO customers VALUES
(1003,'Chang', 'Marian',
'294 Main St', 'Concord', 'MA','01742',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-71.351,42.4598,NULL), NULL, NULL));
```

```
INSERT INTO customers VALUES
(1004,'Williams', 'Thomas',
'84 Hayward Rd', 'Acton', 'MA','01720',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-71.4559,42.4748,NULL), NULL, NULL));
```

```
INSERT INTO customers VALUES
(1005,'Rodriguez', 'Carla',
'9876 Pine Lane', 'Sudbury', 'MA','01776',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-71.4242,42.3826,NULL), NULL, NULL));
```

```
INSERT INTO customers VALUES
(1006,'Adnani', 'Ramesh',
'1357 Appletree Ct', 'Falls Church', 'VA','22042 ',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-77.1745,38.88505,NULL),NULL,NULL));
```

-- Insert stores data.

```
INSERT INTO stores VALUES
(101,'Nashua megastore',
'123 Commercial Way', 'Nashua', 'NH','03062',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-71.49074,42.7229,NULL),NULL,NULL));
```

```
INSERT INTO stores VALUES
(102,'Reston store',
'99 Main Blvd', 'Reston', 'VA','22070',
SDO_GEOMETRY(2001, 8307,
SDO_POINT_TYPE (-77.34511,38.9521,NULL),NULL,NULL));
```

-- Add metadata to spatial view USER_SDO_GEOM_METADATA.

```
INSERT INTO USER_SDO_GEOM_METADATA (TABLE_NAME, COLUMN_NAME, DIMINFO, SRID)
VALUES ('CUSTOMERS', 'CUST_GEO_LOCATION',
SDO_DIM_ARRAY
(SDO_DIM_ELEMENT('LONG', -180.0, 180.0, 0.5),
SDO_DIM_ELEMENT('LAT', -90.0, 90.0, 0.5)),
8307);
```

```
INSERT INTO USER_SDO_GEOM_METADATA (TABLE_NAME, COLUMN_NAME, DIMINFO, SRID)
VALUES ('STORES', 'STORE_GEO_LOCATION',
SDO_DIM_ARRAY
(SDO_DIM_ELEMENT('LONG', -180.0, 180.0, 0.5),
SDO_DIM_ELEMENT('LAT', -90.0, 90.0, 0.5)),
8307);
```

-- Create spatial indexes.

```
CREATE INDEX customers_sidx ON customers(cust_geo_location)
INDEXTYPE IS mdsys.spatial_index;
```

```
CREATE INDEX stores_sidx ON stores(store_geo_location)
INDEXTYPE IS mdsys.spatial_index;
```

Associated revisions

Revision a1b5b92d - 2013-03-14 09:59 PM - Jürgen Fischer

fix #7357

History

#1 - 2013-03-14 02:39 PM - Jürgen Fischer

- Status changed from Open to Closed

Fixed in changeset commit:"a1b5b92d2fa8501bf18e8429d1adf8ab4bf7d1eb".