

QGIS Application - Bug report #12230

Problem with spatial index detection on oracle spatial views

2015-02-20 01:27 AM - Jan Lippmann

Status: Closed	
Priority: High	
Assignee: Jürgen Fischer	
Category: Data Provider	
Affected QGIS version: 2.6.0	Regression?: No
Operating System: WIN	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 20418

Description

hello,
qgis don't detect the spatial index for spatial query in Oracle. I do not know if there is a fault in qgis or a problem in my environment. the sql script and the debug log view I have attached. can anyone confirm the problem or give you a hint solution? what's the complete sql statement which raise the ora error:ORA-29902?

hints:

- the srid of all features in OBJEKTLAYER match the srid values in MDSYS.USER_SDO_GEOM_METADATA
- spatial index is valid and the origintable works without index problems...

thanks

jan

oracleserver:

Oracle Database 11g Release 11.2.0.4.0

qgis:

QGIS-Version 2.7.0-Master QGIS-Codeversion aab3bfd

Kompiliert gegen Qt 4.8.5 Laufendes Qt 4.8.5

Kompiliert mit GDAL/OGR 1.11.1 Läuft mit GDAL/OGR 1.11.2

Kompiliert mit GEOS 3.4.2-CAPI-1.8.2 Läuft mit GEOS 3.4.2-CAPI-1.8.2 r3921

PostgreSQL-Client-Version 9.2.4 SpatialLite-Version 4.1.1

QWT-Version 5.2.3 PROJ.4-Version 480

QScintilla2-Version 2.7.2 Diese QGIS-Kopie schreibt Debugausgaben.

```
--run the script with GIS_ADM user
```

```
--use GIS_ADM user within QGIS
```

```
--Create table
```

```
CREATE TABLE "GIS_ADM"."OBJEKTLAYER"
```

```
(  
  "GEOM" "MDSYS"."SDO_GEOMETRY" ,  
  "GRUENG6F_O" VARCHAR2(2047 BYTE),  
  "ID" NUMBER(10,0)  
)  
SEGMENT CREATION IMMEDIATE PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255 NOCOMPRESS LOGGING  
STORAGE  
(  
  INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645 PCTINCREASE 0 FREELISTS 1 FREELIST  
GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT  
)
```

```

TABLESPACE "USERS" ;
CREATE UNIQUE INDEX "GIS_ADM"."SYS_IL0000095052C00008$$" ON "GIS_ADM"."OBJEKT_LAYER"
(
  PCTFREE 10 INITRANS 2 MAXTRANS 255 STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS
2147483645 PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT
CELL_FLASH_CACHE DEFAULT) TABLESPACE "USERS" PARALLEL (DEGREE 0 INSTANCES 0) ;
CREATE UNIQUE INDEX "GIS_ADM"."SYS_IL0000095052C00007$$" ON "GIS_ADM"."OBJEKT_LAYER" ( PCTFREE 10
INITRANS 2 MAXTRANS 255 STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT
CELL_FLASH_CACHE DEFAULT) TABLESPACE "USERS" PARALLEL (DEGREE 0 INSTANCES 0) ;

--Insert USER_SDO_GEOM_METADATA for OBJEKT_LAYER
INSERT INTO MDSYS.USER_SDO_GEOM_METADATA (
  TABLE_NAME
, COLUMN_NAME
, DIMINFO
, SRID
) VALUES (
  'OBJEKT_LAYER'
, 'GEOM'
, MDSYS.SDO_DIM_ARRAY(
      MDSYS.SDO_DIM_ELEMENT('X',-2147483648,2147483647,0.00005)
      ,MDSYS.SDO_DIM_ELEMENT('Y',-2147483648,2147483647,0.00005)
    )
, 25832
)
;

--create spatial index on OBJEKT_LAYER
CREATE INDEX "GIS_ADM"."IDX_GEOM" ON "GIS_ADM"."OBJEKT_LAYER"
(
  "GEOM"
)
INDEXTYPE IS "MDSYS"."SPATIAL_INDEX" ;

--create simple 1:1 view from the origintable
CREATE OR REPLACE FORCE VIEW "GIS_ADM"."V_OBJEKT_LAYER" ("GEOM", "GRUENG6F_O", "ID")
AS
SELECT "GEOM","GRUENG6F_O","ID" FROM OBJEKT_LAYER;

--Insert USER_SDO_GEOM_METADATA for V_OBJEKT_LAYER
INSERT INTO MDSYS.USER_SDO_GEOM_METADATA (
  TABLE_NAME
, COLUMN_NAME
, DIMINFO
, SRID
) VALUES (
  'V_OBJEKT_LAYER'
, 'GEOM'
, MDSYS.SDO_DIM_ARRAY(
      MDSYS.SDO_DIM_ELEMENT('X',-2147483648,2147483647,0.00005)
      ,MDSYS.SDO_DIM_ELEMENT('Y',-2147483648,2147483647,0.00005)
    )
)

```

, 25832

)

;

Associated revisions

Revision 582d009f - 2015-02-20 11:38 PM - Jürgen Fischer

oracle provider: consider srid when looking trying spatial index (followup 991f94d; fixes #12230)

Revision d001c9d9 - 2015-02-21 11:45 PM - Jürgen Fischer

oracle provider: consider srid when looking trying spatial index (followup 991f94d; fixes #12230)

History

#1 - 2015-02-20 02:39 PM - Jürgen Fischer

- *Status changed from Open to Closed*

Fixed in changeset commit:"582d009f434260bb0efd9c0914c7f854f856a647".

#2 - 2015-02-23 08:13 AM - Jan Lippmann

hello jürgen,

thank you for the quick fixing. it works. :-)

Files

debug-view-log.txt

5.71 KB

2015-02-20

Jan Lippmann