

QGIS Application - Bug report #11722

Hang on Identify Feature on Oracle layers

2014-11-25 01:57 AM - Per Engström

Status:	Closed	
Priority:	Normal	
Assignee:	Jürgen Fischer	
Category:	Data Provider/Oracle	
Affected QGIS version:	2.6.0	Regression?: No
Operating System:	Windows 7	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: duplicate
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 19959
Description <p>I have tried Identify Feature on Oracle-objects using QGIS 2.4.0.1 and 2.6.0 and QGIS becomes unresponsive, i.e. stops working entirely while program window goes grey/white. Have to force quit and restart QGIS. My boss asks for this functionality and I don't know what to tell him... I work at Ludvika Kommun (municipally) in Sweden.</p> <p>My boss has Windows 7 32-bit SP1 - QGIS Standalone Installer 32-bit I have Windows 7 64-bit SP1 - OSGeo4W Network installer 64-bit Database Oracle spatial 11g</p> <p>Identify Feature works as intended on shp-objects, info pops up in left margin instantly.</p> <p>Identify Feature crashes QGIS on Oracle-objects (time out endless loop - requires force quit). Does Identify Feature call Oracle-db without login password?</p> <p>This has not been fixed for 18 months, assign bug to another developer?</p> <p>Best regards</p>		
Related issues: <p>Duplicates QGIS Application - Bug report # 11358: Spatial index is not used i... Closed 2014-10-08</p>		

History

#1 - 2014-11-25 04:38 AM - Jürgen Fischer

Not reproducible here. Please add more details.

#2 - 2014-11-25 04:39 AM - Jürgen Fischer

- Status changed from Open to Feedback
- Priority changed from High to Normal

#3 - 2014-11-25 10:06 PM - Alexander Novoselov

the same #11744 ?

#4 - 2014-11-25 11:59 PM - Jürgen Fischer

- Subject changed from Identify Feature crashes QGIS on Oracle-objects to Hang on Identify Feature on Oracle layers

#5 - 2014-11-27 01:41 AM - Per Engström

- File 141125_QGIS_Identify_Feature_Oracle_object_Error_Forced_Quit.png added

- File 141125_QGIS_Identify_Feature_Oracle_object_Error_unresponsive_Endless_Loop.png added

The workspace has both locally stored shape-layers, externally stored shape-layers and externally stored Oracle-layers.

QGIS connects to the Oracle-server and shows the Oracle-layers on the map after a initial delay. When right-clicking on the Oracle-layers I can view and search the Oracle attribute table.

However, when using the Identify Feature tool on Oracle features QGIS hangs in a endless loop and the entire QGIS program window gets grayed/whitened (as shown in attached screen-dumps). QGIS has to be forced to quit. Happens every time we use the Identify Feature tool on Oracle-layers.

#6 - 2014-11-27 10:30 PM - Jürgen Fischer

Per Engström wrote:

However, when using the Identify Feature tool on Oracle features QGIS hangs in a endless loop and the entire QGIS program window gets grayed/whitened (as shown in attached screen-dumps). QGIS has to be forced to quit. Happens every time we use the Identify Feature tool on Oracle-layers.

As said I can't reproduce that here, in other words identify works fine for me on oracle layers. There must be something special about your installation. Do you get any messages in the message log regarding Oracle?

#7 - 2014-11-28 12:44 AM - Per Engström

- File 141128_qgis_startup_log_message_before_it_hangs.PNG added

I checked the message log viewed within QGIS and immediatly after loading the workspace/projektfile I have the following in the Message Log (Oracle Tab):

"No spatial index on column XXX_XXXX.XXX_VPOINT.SHAPE found - expect poor performance."

There is an identical message for each of the Oracle layers.

I cannot find any log that is time stamped at the hang event. When I use the Identify Feature tool QGIS hangs and I can not find any log entries regarding either Identify Feature or the crash time stamp.

I don't really know where and what to look for...

#8 - 2014-11-28 12:49 AM - Per Engström

I get the same Oracle Log Message in both QGIS 2.4.0.1 and 2.6.0 (2.6.0 reports in swedish).

#9 - 2014-11-28 02:10 AM - Jürgen Fischer

Per Engström wrote:

I checked the message log viewed within QGIS and immediatly after loading the workspace/projektfile I have the following in the Message Log

(Oracle Tab):

"No spatial index on column XXX_XXXX.XXX_VPOINT.SHAPE found - expect poor performance."

There is an identical message for each of the Oracle layers.

Are those views? Master should handle those better. Otherwise have you tried to create a spatial index (vector layer properties, general tab, create spatial index) ?

I cannot find any log that is time stamped at the hang event. When I use the Identify Feature tool QGIS hangs and I can not find any log entries regarding either Identify Feature or the crash time stamp.

It isn't crashing, is it? It just takes ages to do the query - and that's probably because of the missing (or not detected) spatial index.

#10 - 2014-11-28 04:15 AM - Per Engström

The Oracle Log Messages refers to Oracle Spatial layers containing water and sewage piping and valves, they are correctly projected on the map and I can view and search their attribute tables.

I have left it running as is for hours and nothing happens, it doesn't respond.

I tried to create Spatial Index as you proposed, it tried for a couple of seconds then presented an error message. Message Log (Oracle-tab) as follows:

"Creation spatial index failed.

SQL:CREATE INDEX QGIS_IDX_0000000001 ON "XXXXXX_XXXXX"."XXX_XXXX_XXXX_VPOINT"("SHAPE") INDEXTYPE IS
MDSYS.SPATIAL_INDEX PARALLEL

Error: ORA-01702: a view is not appropriate here

Kan inte köra uttryck"

("Kan inte köra uttryck" means "Can not run expression").

Could it be that I am using separate login credentials to the Oracle Server - view only login with QGIS and edit login with the proprietary AutoCAD Map 3D plugin?

Must I have write access to the Oracle server to create Spatial Index? Can the Spatial Indexing be done outside QGIS directly on the Oracle server?

#11 - 2014-11-28 05:02 AM - Jürgen Fischer

- Status changed from Feedback to Closed

- Resolution set to duplicate

Per Engström wrote:

Jürgen Fischer wrote:

Are those views? Master should handle those better. Otherwise have you tried to create a spatial index (vector layer properties, general tab, create spatial index) ?

Error: ORA-01702: a view is not appropriate here

Ok, so you confirm that the layer is referring to a view. And hence this issue is a duplicate of #11358. The issue is already fixed in master and views should perform much better there.

#12 - 2014-11-28 05:19 AM - Per Engström

Ok, nice work :) The master you are referring to, is it going to be released as 2.8.0? When will it be out?

Best Regards!

Per Engström

#13 - 2014-11-28 06:25 AM - Jürgen Fischer

Per Engström wrote:

Ok, nice work :) The master you are referring to, is it going to be released as 2.8.0? When will it be out?
Best Regards!
Per Engström

2.8.0 is planned for 20.02.2015 (see [release schedule](#)). But you can verify right now using a nightly build or a weekly snapshot (links in the section following the release schedule), if master actually solves the problem for you.

#14 - 2014-11-28 08:05 AM - Per Engström

- File

141128_NEW_CLUE_- _all_objects_seem_to_have_been_selected_by_the_Identify_Feature_tool___QGIS_Identify_Feature_hang_on_fresh_layer_QGIS_f00db95__2.7.0_Master__.PNG added

- File *141128_QGIS_Identify_Feature_hang_on_fresh_layer_QGIS_f00db95__2.7.0_Master__.PNG added*

Hello again! I have now tested with Master f00db95 (2.7.0) and it seems to be no difference, the program hangs after the Identify Feature tool have been used. Nothing happened for several minutes so I took a screen-shot to describe the process, planning to leave it running over the weekend.

I left QGIS running despite the hang while I edited the screen-shot, but when I was ready with the screen-shot I noticed in QGIS upper right corner still visible that ALL OBJECTS HAD BEEN SELECTED AND MARKED WITH RED! QGIS-program totally frozen and unresponsive but all those Oracle layer objects had been selected while I was occupied editing the screenshot!

Going to leave it running as is over the weekend to see how it looks come monday.

Until then!

/Per

#15 - 2014-11-28 11:48 AM - Jürgen Fischer

Per Engström wrote:

Hello again! I have now tested with Master f00db95 (2.7.0) and it seems to be no difference, the program hangs after the Identify Feature tool have been used. Nothing happened for several minutes so I took a screen-shot to describe the process, planning to leave it running over the weekend.

No need - if you see "expect poor performance" there will be poor performance. Does the problem also occur when you use the geometry table instead of the view?

Please run the following query in sqlplus and report what it produces:

```
SELECT shape FROM vab_view_mapx_vline WHERE
sdo_filter(shape,mdsys.sdo_geometry(2003,NULL,NULL,mdsys.sdo_elem_info_array(1,1003,3),mdsys.sdo_ordinate_array(1,1,-1,-1)))='TRUE';
```

#16 - 2014-12-01 12:40 AM - Per Engström

- File 141201_QGIS_Identify_Feature_Hang_after_running_over_weekend_-_still_not_responding.PNG added
- File 141201_QGIS_Identify_Feature_Hang_-_SQLplus_query_error_codes.PNG added

Hello again. I left QGIS running over the weekend and at first glance it looked OK but it was still totally frozen and did not answer to anything, however it is apparent that QGIS selects all object instead of just the one clicked on when using the Identify Feature tool.

I ran the SQL query in SQLplus as you asked and it returned three error codes in broken swedish (only the cides presented here, see added screendump for full text):
ORA-29902
ORA-13208
ORA-06512

I do not fully understand what this mean, but I guess it mean what you already have said, that it is a configuration issue?

Files			
141125_QGIS_Identify_Feature_Oracle_object_Error_unresponsive_Endless_Boop.png	103 KB	2014-11-27	Per Engström
141125_QGIS_Identify_Feature_Oracle_object_Error_Forced_Quit.png	197 KB	2014-11-27	Per Engström
141128_qgis_startup_log_message_before_it_hangs.PNG	116 KB	2014-11-27	Per Engström
141128_QGIS_Identify_Feature_hang_on_fresh_layer_QGIS_f00db95_1287KB_Master.PNG	1287 KB	2014-11-28	Per Engström
141128_NEW_CLUE_-_all_objects_seem_to_have_been_selected_by_2014-11-28_QGIS_Identify_Feature_hang_on_fresh_layer_QGIS_f00db95_1287KB_Master.PNG	1287 KB	2014-11-28	Per Engström
141201_QGIS_Identify_Feature_Hang_after_running_over_weekend_-_still_not_responding.PNG	133 KB	2014-11-30	Per Engström
141201_QGIS_Identify_Feature_Hang_-_SQLplus_query_error_codes.PNG	216 KB	2014-11-30	Per Engström