

QGIS Application - Bug report #9693
OpenStreetMap XML import takes a long time

2014-03-03 03:23 AM - Giovanni Allegri

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Vectors	
Affected QGIS version:	2.2.0	Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 18258
Description		
<p>The OSM import from a downloaded XML to Spatialite takes much more time on Windows then on Linux.</p> <p>With the following file Windows it takes about 3 minutes to parse it and import it. It seems that the problem is in the XML parsing phase, because the progress bar runs fast at the end of the process, as fast as on Linux (Looking into the code the progress emits after the OSM parse, during the insert phase).</p> <p>Test file: https://dl.dropboxusercontent.com/u/13861666/osmtest.osm</p>		

Associated revisions

Revision 4d5d26a9 - 2014-06-02 04:27 PM - Martin Dobias

Merge pull request #1399 from giohappy/fix_osm_initspatialmetadata

Fix #9693 (Make OSM DB metadata initialization in transaction)

History

#1 - 2014-03-03 05:54 AM - Giovanni Allegri

I've noticed that during the freezed time a Sqlite journal file is continously created and destroyed. I don't know what is all this journaling activity for, before inserting data...

#2 - 2014-03-04 12:05 AM - Giovanni Manghi

- Category changed from Browser to Vectors

Giovanni Allegri wrote:

I've noticed that during the freezed time a Sqlite journal file is continously created and destroyed. I don't know what is all this journaling activity for, before inserting data...

This bug affected 2.0.1 always that was needed to create a new SL db: off-line editing, save a vector as SL, new SL db from "layer" menu, etc.

Strange that affects 2.2 only on Windows as the same tool on Linux is ok.

By the way, once added the line layer from the imported osm file it seems that many features are missing.

#3 - 2014-03-04 12:21 AM - Martin Dobias

- Assignee deleted (Martin Dobias)

One just needs to call "SELECT InitSpatialMetadata(1)" for SpatialLite >= 4.1 instead of just "SELECT InitSpatialMetadata()" in order to init metadata in a transaction. (see #9157 for similar problem) On linux it may work just because of different SpatialLite version.

Regarding missing features, it may be #8878

#4 - 2014-03-04 08:18 AM - Giovanni Allegri

So the same switch as in offline editing (<https://github.com/qgis/QGIS/blob/master/src/core/qgsofflineediting.cpp#L289>) should be used for OSM import (<https://github.com/qgis/QGIS/blob/master/src/analysis/openstreetmap/qgsosmimport.cpp#L144>)

#5 - 2014-03-04 08:31 AM - Giovanni Allegri

Probably the best would be both were using the spatialite provider which already does the correct choice (<https://github.com/qgis/QGIS/blob/master/src/providers/spatialite/qgsspatialiteprovider.cpp#L4983>)

#6 - 2014-05-28 07:24 AM - Giovanni Allegri

Sent a pull request <https://github.com/qgis/QGIS/pull/1399>

#7 - 2014-06-02 07:27 AM - Martin Dobias

- Status changed from Open to Closed

Fixed in changeset commit:"4d5d26a98084e098db7a08e08dc8c96f2b9bda9f".