

## QGIS Application - Bug report #14110

### Spatialite / DbManager - Error fetching indexes with recent sqlite version

2016-01-15 02:27 AM - Michael Douchin

<b>Status:</b> Closed	
<b>Priority:</b> High	
<b>Assignee:</b>	
<b>Category:</b> DB Manager	
<b>Affected QGIS version:</b> 2.12.2	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> Yes	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 22115
<b>Description</b>	
<p>Some users reported a bug in DbManager. When you connect to a sqlite/spatialite database, and then click on one layer, the plugin tries to fetch information about the layer and its indexes.</p> <p>The method "getTableIndexes" situated in line 371 of the file "db_manager/db_plugins/spatialite/connector.py" expects to get 3 fields from the sqlite method "PRAGMA index_list"</p> <p>In recent version of SQLite, though, this method now returns 5 fields, for example</p> <pre>sqlite&gt; pragma index_list(geo_parcelle); 0 idx_geo_parcelle_ogc_fid 0 c 0 1 geo_parcelle_voie_idx 0 c 0 2 geo_parcelle_comptecommunal_idx 0 c 0</pre> <p>This leads to a Python error :</p> <pre>File "/usr/share/qgis/python/plugins/db_manager/db_plugins/spatialite/connector.py", line 371, in getTableIndexes num, name, unique = idx ValueError: too many values to unpack</pre> <p>A change has been made in sqlite code, see <a href="https://github.com/mackyle/sqlite/commit/efa3207797a6ff4eb6a514fad5c99cf67c056492">https://github.com/mackyle/sqlite/commit/efa3207797a6ff4eb6a514fad5c99cf67c056492</a></p> <p>We need to backport a bug fix, if it is done in DbManager</p>	

#### Associated revisions

Revision bae86515 - 2016-01-19 10:27 AM - Michael Douchin

[bugfix][DbManager] 14110 - Error fetching layer indexes with recent sqlite version

Fixes #14110

The method `getTableIndexes`, situated in line 371 of the file `db\_manager/db\_plugins/spatialite/connector.py`, expected to get 3 fields from the sqlite method `PRAGMA index\_list`.

In recent versions of SQLite, since 3.8.9, though, this method now returns 5 fields.

This commit fixes this issue by checking the length of columns returned by the method.

### Revision 472fa9bb - 2016-01-19 11:33 AM - Giuseppe Sucameli

Merge pull request #2696 from mdouchin/debug\_dbmanager\_sqlite\_layer\_info

[bugfix][DbManager] Fix indexes fetch with sqlite >= v3.8.9 (fix #14110)

### Revision ac77a34e - 2016-01-19 04:23 PM - Michael Douchin

[bugfix][DbManager] 14110 - Error fetching layer indexes with recent sqlite version

Fixes #14110

The method `getTableIndexes`, situated in line 371 of the file `db_manager/db_plugins/spatialite/connector.py`, expected to get 3 fields from the sqlite method `PRAGMA index_list`.

In recent versions of SQLite, since 3.8.9, though, this method now returns 5 fields.

This commit fixes this issue by checking the length of columns returned by the method.

### Revision 1f77694c - 2016-01-19 04:29 PM - Michael Douchin

[bugfix][DbManager] 14110 - Error fetching layer indexes with recent sqlite version

Fixes #14110

The method `getTableIndexes`, situated in line 371 of the file `db_manager/db_plugins/spatialite/connector.py`, expected to get 3 fields from the sqlite method `PRAGMA index_list`.

In recent versions of SQLite, since 3.8.9, though, this method now returns 5 fields.

This commit fixes this issue by checking the length of columns returned by the method.

## History

---

### #1 - 2016-01-15 02:41 AM - Michael Douchin

I have seen a commit had been added in sqlite to revert the columns number changed for `index_info`. I added a comment in this commit to ask the same revert for `index_list`: <https://github.com/mackyle/sqlite/commit/53555d6da78e52a430b1884b5971fef33e9ccca4#commitcomment-15471730>

### #2 - 2016-01-19 01:58 AM - Michael Douchin

- Pull Request or Patch supplied changed from No to Yes

Pull request to fix it: <https://github.com/qgis/QGIS/pull/2696>

### #3 - 2016-01-19 02:33 AM - Giuseppe Sucameli

- Status changed from Open to Closed

Fixed in changeset commit:"472fa9bb080c65ba9acdc83c30354f7849b74a83".