QGIS Application - Bug report #15062
Cannot create temporary SpatiaLite cache while adding WFS layer

2016-06-18 07:10 AM - dr -

Status:	Closed			
Priority:	Normal			
Assignee:	Even Rouault			
Category:	Web Services clients/WFS			
Affected QGIS version:	master	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	23005

Description

I'm trying to add WFS layer (using WFS VERSION 1.0), and get an message on WFS tab:

    Cannot create temporary SpatiaLite cache

If open attribute table - all attributes are ERROR, if open attribute table again - it will be completely empty (no records).

Associated revisions

Revision d7414d7e - 2016-06-22 11:01 PM - Even Rouault

[WFS provider] Handle the case where the layer schema has a ogc_fid field

Fixes #15062

History

#1 - 2016-06-18 07:21 AM - Even Rouault

Could you check that your cache directory is correctly pointing to an existing directory that is writable ? (in Settings / Option / Network / Cache Settings : Directory)

#2 - 2016-06-18 07:39 AM - dr -

I've pointed cache directory to "~/.qgis2/cache", after trying to add WFS layer I see newly created foler "~/.qgis2/cache/wfsprovider/pid_18340" with "wfs_cache_1.sqlite" file.

#3 - 2016-06-18 08:12 AM - Even Rouault

What was pointing it too before ? (if empty, on an installed QGIS, it should also point to ~/.qgis2/cache. In a dev environement, it would point to $(buildpath)/)

#4 - 2016-06-18 09:02 AM - dr -

Before it was empty (#14514). But if I set up cache directory as described above WFS doesn't work and I see error mesage on WFS tab again.

#5 - 2016-06-18 09:14 AM - Even Rouault

I'm confused. If you set to "~/.qgis2/cache", doesn't it work (it seems to, since you can see the "~/.qgis2/cache/wfsprovider" folder)

#6 - 2016-06-22 08:48 AM - dr -

Have updated QGIS to latest master.

WFS server contains several layers. All works fine when I add first layer. But when I add second layer - got "Cannot create temporary SpatiaLite cache". Part of stacktrace:

    ERROR 1: Unable to Initialize SpatiaLite Metadata: no such function: InitSpatialMetadata
    src/providers/wfs/qgswfsshareddata.cpp: 322: (createCache) [0ms] [thread:0x7f7e3c00a780] spatialite provider loaded
    src/providers/spatialite/qgsspatialiteprovider.cpp: 5147: (createDb) [0ms] [thread:0x7f7e3c00a780] creating a new db
    src/providers/spatialite/qgsspatialiteprovider.cpp: 5151: (createDb) [0ms] [thread:0x7f7e3c00a780] making this dir: /tmp
    src/providers/wfs/qgswfsfeatureiterator.cpp: 1148: (close) [177ms] [thread:0x7f7e3c00a2a0] qgsWFSFeatureIterator::close()
    src/providers/wfs/qgswfsfeatureiterator.cpp: 835: (~QgsWFSFeatureIterator) [0ms] [thread:0x7f7e3c00a2a0]
    qgsWFSFeatureIterator::~QgsWFSFeatureIterator()
    src/core/qgsmaprendererparalleljob.cpp: 262: (renderLayerStatic) [0ms] [thread:0x7f7e3c00a2a0] job 55bdf9b0d4a0 end [180 ms] (layer
    water20160622224402005)
    AddGeometryColumn() error: table 'features' does not exist
    CreateSpatialIndex() error: either "features"."GEOMETRY" isn't a Geometry column or a SpatialIndex is already defined
    src/core/qgsmessagelog.cpp: 45: (logMessage) [61ms] [thread:0x7f7e3c00a780] 2016-06-22T22:44:11 WFS[1] Cannot create temporary
    SpatiaLite cache
    src/providers/wfs/qgswfsfeatureiterator.cpp: 1148: (close) [1ms] [thread:0x7f7e3c00a780] qgsWFSFeatureIterator::close()
    src/providers/wfs/qgswfsfeatureiterator.cpp: 835: (~QgsWFSFeatureIterator) [0ms] [thread:0x7f7e3c00a780]
    qgsWFSFeatureIterator::~QgsWFSFeatureIterator()

#7 - 2016-06-22 10:32 AM - Even Rouault

I cannot reproduce what you observe (works fine when adding several layers) and don't have a theory.

- Which GDAL version is used ?
- The "creating a new db" is displayed at the first layer or the second one (should be only at the first one) ?

#8 - 2016-06-22 10:47 AM - Giovanni Manghi

- Category set to Web Services clients/WFS
- Status changed from Open to Feedback

any URL I can test here locally?

#9 - 2016-06-22 12:52 PM - dr -

I've made public demo: http://188.166.42.99/cgi-bin/mapserv?map=/var/www/wfs.map&

#10 - 2016-06-22 01:06 PM - Even Rouault

- Assignee set to Even Rouault

Reproduced. Due to a ogc_fid field name that conflicts with the FID column name of the spatialite cache. Fix under way

#11 - 2016-06-22 02:01 PM - Even Rouault

- Status changed from Feedback to Closed

Fixed in changeset commit:"d7414d7eca19dedc158b4de6214a74c860c973ee".

#12 - 2016-06-22 02:01 PM - Even Rouault

- Resolution set to fixed/implemented

- Target version set to Version 2.16

- % Done changed from 0 to 100