

QGIS Application - Bug report #17050

Adding many WFS layers causes "Cannot create temporary Spatialite cache"

2017-08-22 04:25 PM - Dan Meerschaert

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Web Services clients/WFS	
Affected QGIS version:	2.18.12	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: up/downstream
Crashes QGIS or corrupts data:	No	Copied to github as #: 24949
Description		
<p>Many WFS layers added with iface.addVectorLayer seems to overload the WFS cache and prints "Cannot create temporary Spatialite cache" to the log.</p> <p>This error occurs on 2.14, 2.17. and 2.99 that i've tried so far.</p> <p>To reproduce, add a few dozen WFS layers, save them all as a layer definition and reload, or use the following script in the python console several times (attached .txt)</p> <pre>iface.addVectorLayer(' restrictToRequestBBOX=\'1\' srsname=\'EPSG:4326\' typename=\'sdr:nyu_2451_34490\' url=\'https://maps-public.geo.nyu.edu/geoserver/sdr/wfs\' version=\'auto\' table=\'\' sql=\',"example01","WFS"')</pre>		

History

#1 - 2017-08-23 09:18 AM - Giovanni Manghi

- Status changed from Open to Feedback

Tried your script on 2.18.12 on Windows and Linux and had no issues.

#2 - 2017-08-25 05:25 PM - Dan Meerschaert

- File Qgis_17050.PNG added

Giovanni Manghi wrote:

| Tried your script on 2.18.12 on Windows and Linux and had no issues.

I just tried on 2.18.12 windows 64bit and got the same problem.

Did you run the attached script? I ask because the problem doesn't happen until layer # 36 or so

#3 - 2017-08-26 09:40 AM - Giovanni Manghi

- Affected QGIS version changed from 2.18.7 to 2.18.12

Dan Meerschaert wrote:

Giovanni Manghi wrote:

Tried your script on 2.18.12 on Windows and Linux and had no issues.

I just tried on 2.18.12 windows 64bit and got the same problem.

Did you run the attached script? I ask because the problem doesn't happen until layer # 36 or so

yes, I used your script. Have you tried on a clean installation and/or on another system?

#4 - 2017-08-28 01:26 AM - Dan Meerschaert

Tried on a brand new win10 2.18.12 and the three versions i listed above on the same win7 machine.

#5 - 2017-08-28 10:34 AM - Giovanni Manghi

- Operating System deleted (Windows)
- Status changed from Feedback to Open
- Subject changed from Many WFS layers causes failures to Adding many WFS layers causes "Cannot create temporary Spatialite cache"

#6 - 2017-11-13 06:32 PM - Even Rouault

I've identified this as a libspatialite issue. Basically we are currently limited to SPATIALITE_MAX_CONNECTIONS / 2 = 32 WFS layers

Thread to discuss increasing this limit: https://groups.google.com/forum/#!topic/spatialite-users/ir7lz15x_SM

#7 - 2017-11-13 09:57 PM - Even Rouault

According to libspatialite developer, the issue will be solved by packaging recent libspatialite and GEOS >= 3.5

#8 - 2017-11-14 09:04 AM - Giovanni Manghi

Even Rouault wrote:

According to libspatialite developer, the issue will be solved by packaging recent libspatialite and GEOS >= 3.5

Should we make a feature request for this?

#9 - 2019-01-21 12:34 AM - Jürgen Fischer

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

#10 - 2019-02-24 10:35 AM - Giovanni Manghi

- Status changed from Feedback to Closed

- Resolution set to up/downstream

Files

qgisPythonWFSscript.txt	8.4 KB	2017-08-22	Dan Meerschaert
Qgis_17050.PNG	97.4 KB	2017-08-25	Dan Meerschaert