

QGIS Application - Bug report #13444

Very large QGIS project memory usage

2015-09-28 02:41 PM - Bruce Steedman

Status: Closed	
Priority: Normal	
Assignee:	
Category:	
Affected QGIS version: 2.10.1	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 21491
Description	
<p>A project I am using is currently using upwards of 5GB RAM (nearly 7GB to load). With my system's 4GB RAM this makes QGIS near unusably slow and I assume that this cannot be normal, given the relatively modest size of the project.</p> <p>QGIS uses < 200MB alone (no project loaded) so I deduce that the usage is project related. My project (1.8 MB) is attached. It uses vector layer .json files defined in a LAYERS folder (741 MB) here: https://www.dropbox.com/sh/gyitunc7uymcv87/AADCGISDYzhZbLq9Ey-iTQ-Ua?dl=0</p> <p>It also uses a PostGIS layer 'planning apps' from an AWS-hosted server in a group called PLANNING APPS.</p> <p>My configuration is as follows:</p> <p>Hardware: MacBook Air, 2.13 GHz Intel Core 2 Duo CPU, 4GB RAM OS: Mac OS X 10.10.5 QGIS: 2.10 KyngChaos build, installed via Homebrew Cask (no 3rd party plugins)</p> <p>QGIS version 2.10.1-Pisa QGIS code revision Compiled against Qt 4.8.6 Running against Qt Compiled against GDAL/OGR 1.11.2 Running against GDAL/OGR Compiled against GEOS 3.4.2-CAPI-1.8.2 Running against GEOS PostgreSQL Client Version 9.4.4 SpatiaLite Version QWT Version 6.0.2 PROJ.4 Version QScintilla2 Version 2.9</p> <p>Any help with this would be very much appreciated, as I cannot use QGIS with this level of memory usage.</p>	

History

#1 - 2015-10-14 11:28 AM - Saber Razmjooei

- Status changed from Open to Feedback

It is worth looking into a vector file format which supports spatial indexing (e.g. Spatialite).

The following 2 layers Gazetteer and Coastline json layers took up 1.1 GB of RAM when zooming and panning. With Spatialite, it was down to 110 MB!

#2 - 2015-10-30 01:25 AM - Bruce Steedman

- Status changed from Feedback to Closed

Many thanks for your answer Saber. I've now used ogr2ogr to convert the data to PostgreSQL database records and the problem is solved.