

QGIS Application - Feature request #17949

Allow storing multiple outputs to the same geopackage in Processing

2018-01-24 03:12 PM - Etienne Trimaille

Status: Closed	
Priority: Normal	
Assignee: Victor Olaya	
Category: Processing/Core	
Pull Request or Patch Supplied:	Resolution: fixed/implemented
Easy fix?: No	Copied to github as #: 25845
Description	
<p>In a Processing algorithm with many output vector layers, if I set all to a geopackage file (like in my screenshot), only the last layer is written inside.</p> <p>I would expect to have one geopackage, with all my layers inside.</p> <p>I tried to add "layername=layer1" for instance. But Processing is raising an error about invalid output path.</p>	

Associated revisions

Revision bf19eb6f - 2018-01-25 05:47 AM - Nyal Dawson

[processing] Non-file based outputs (e.g. postgis, geopackage) options should be available for certain model outputs and script algorithm outputs

We do this by swapping the test for non-file based output support from checking only the algorithm's provider to instead checking on a parameter-by-parameter basis.

This is done in order to support models. For models, depending on what child algorithm a model output is based off, an individual model may or may not have support for non-file based outputs. E.g a model may generate outputs from a native qgis alg (supporting these outputs) AND an output from a GDAL alg (with no support for these outputs). In this case we need to enable or disable the ui controls for non-file based outputs on an individual output basis.

For scripts (for now) we blindly just say all outputs support non-file based formats. This is going to be the case most of the time, since scripts will usually be written using PyQGIS API. For the exceptions (e.g. scripts which call other algs like GDAL algs) we probably should add some way for the script to indicate whether an individual output supports this, but for now we just say they all do.

Fixes #17949

History

#1 - 2018-01-24 09:08 PM - Nyal Dawson

- Subject changed from *Only the last layer is saved if we output to the same geopackage in Processing to Allow storing multiple outputs to the same geopackage in Processing*

- Tracker changed from *Bug report to Feature request*

#2 - 2018-01-25 01:49 AM - Nyal Dawson

- *File multioutput.png added*

Note that this is already supported for native algorithms, by choosing the "Save to Geopackage" option, where you get prompted for a layer name. See attached screenshot.

We'd have to expose this to compatible models and scripts too.

#3 - 2018-01-25 05:47 AM - Nyal Dawson

- *% Done changed from 0 to 100*

- *Status changed from Open to Closed*

Applied in changeset commit:qgis|bf19eb6f35afafe113cf3d43950e0538992d08fa.

#4 - 2018-02-21 09:42 PM - Giovanni Manghi

- *Resolution set to fixed/implemented*

Files

Screen Shot 2018-01-24 at 17.04.14.png	200 KB	2018-01-24	Etienne Trimaille
Screen Shot 2018-01-24 at 17.09.51.png	17.4 KB	2018-01-24	Etienne Trimaille
multioutput.png	35.7 KB	2018-01-25	Nyal Dawson