QGIS Application - Bug report #14735
SagaAlgorithm since Saga 2.2.4: RESAMPLING instead of INTERPOL

2016-04-27 03:07 AM - Max Bohnet

Status:	Rejected		
Priority:	Normal		
Assignee:			
Category:	Unknown		
Affected QGIS version:	2.14.8	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	duplicate
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	22693

Description

I have Saga 2.2.6 installed with QGIS 2.14.1 on linux.
Since Saga version 2.2.4 the name of the parameter "INTERPOL" changed to "RESAMPLING" in "io_gdal 0".
This is called by nearly all raster tools of the qgis saga geoalgorithms.

I could bypass the problem by adding a
SagaAlgorithm224.py (copy the SagaAlgorithm214.py)

,changing line 64 from
return 'io_gdal 0 -TRANSFORM 1 -INTERPOL 0 ...
to
return 'io_gdal 0 -TRANSFORM 1 -RESAMPLING 0 ...

,and adding the SagaAlgorithm224 Class to the SagaAlgorithmProvider.py module as Supported version
and creating a symlink from the description folder 2.2.3 to 2.2.4, 2.2.5 and 2.2.6 in the
/usr/share/qgis/python/plugins/processing/algs/saga/description folder
(knowing that the Descriptions then points to the wrong version).

Is a support for saga 2.2.4 or newer versions in qgis planned?

Related issues:			
Duplicates QGIS Application - Bug report # 13279: Processing & SAGA		**Closed**	**2015-08-28**

History

#1 - 2016-05-24 12:46 PM - Alexander Bruy

- Resolution set to duplicate

- Status changed from Open to Rejected

This known issue with SAGA. SAGA devs break API in every minor version making maintenance really hard.

#2 - 2016-10-26 02:19 PM - gcarrillo -

- Affected QGIS version changed from 2.14.1 to 2.14.8

Just leaving my temporary way to solve this (for reference). In SagaAlgorithm214.py:

    from SagaUtils import getSagaInstalledVersion

...

    if getSagaInstalledVersion() >= "2.2.4":

       return 'io_gdal 0 -TRANSFORM 1 -RESAMPLING 0 -GRIDS "' + destFilename + '" -FILES "' + source + '"'

    else:

       return 'io_gdal 0 -TRANSFORM 1 -INTERPOL 0 -GRIDS "' + destFilename + '" -FILES "' + source + '"'

#3 - 2016-10-26 10:59 PM - Paolo Cavallini

RESAMPLING is already the default, so it can be removed safely

#4 - 2017-01-27 03:34 PM - Pedro Venâncio

In QGIS 3, the temporary solution is similar. In SagaAlgorithm214.py:

    from .SagaUtils import getInstalledVersion

...

    if getInstalledVersion() >= "2.2.4":

       return 'io_gdal 0 -TRANSFORM 1 -RESAMPLING 0 -GRIDS "' + destFilename + '" -FILES "' + source + '"'

    else:

       return 'io_gdal 0 -TRANSFORM 1 -INTERPOL 0 -GRIDS "' + destFilename + '" -FILES "' + source + '"'

#5 - 2017-09-22 10:05 AM - Jürgen Fischer

- Category set to Unknown