GDAL python tools are broken in QGIS 3.4.4/master

Status: Closed
Priority: High
Assignee: Giovanni Manghi
Category: Windows Package

Affected QGIS version: 3.5 (master)
Operating System:

Pull Request or Patch supplied: No
Crashes QGIS or corrupts data: No

Description

for example gdal_merge

GDAL command:

cmd.exe /C gdal_merge.bat -ot Float32 -of GTiff -o 
C:/Users/qgis/AppData/Local/Temp/processing_7c972bb45de649dba703b37af8e39225/a14f75dc2cc3467ea263dff8f94899e/OUTPUT.tif --optfile C:/Users/qgis/AppData/Local/Temp/processing_7c972bb45de649dba703b37af8e39225/mergeInputFiles.txt
GDAL command output:

'gdal_merge.bat' is not recognized as an internal or external command,

Associated revisions

Revision eea4eda6 - 2019-02-10 09:31 PM - Jürgen Fischer

osgeo4w: fix b6293f23c8c (fixes #21210)

Revision 69e54150 - 2019-02-11 10:28 AM - Jürgen Fischer

osgeo4w: fix b6293f23c8c (fixes #21210)

(cherry picked from commit eea4eda6a35f1a06f84f198249b51b169144c46f)

History

#1 - 2019-02-08 04:00 PM - Alexander Bruy

I can confirm on Windows with master/3.4, but errors are a slightly different. 3.4 complains about missed gdal_merge.bat, while in master it can not find gdal_merge.py

#2 - 2019-02-08 04:11 PM - Giovanni Manghi

Alexander Bruy wrote:

I can confirm on Windows with master/3.4, but errors are a slightly different. 3.4 complains about missed gdal_merge.bat, while in master it can not find gdal_merge.py

confirmed here the slightly different message.
So this is an osgeo4w packaging issue, right? Not qgis?

probably, but I'm afraid that at this point filing this bug only in the ogseo4w bug tracker will pass unnoticed and we will ship a new release with such important tools broken.

OSGeo4W ticket https://trac.osgeo.org/osgeo4w/ticket/594

Does gdal_merge.bat exist in %OSGEO4W_ROOT%\bin? Should have been created by etc/postinstall/gdal-python.bat (which runs bin/make-bat-for-py.bat) after gdal-python was installed.

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Oh, well. Findings so far: 3.4 runs the batch files which only gdal-python (GDAL Py2 bindings) provides - but it's didn't depend on it, because QGIS
normally uses python3 - hence the batch files calls fail. It starts working once that is installed (and a dependency was added).

master was changed to run the scripts directly with python3 (see #20870). That only helps if if the scripts are in the current working directory - but that usually
is %OSGEO4W_ROOT%/bin, which also happens to be where gdal-python puts the scripts - intended for py2, but not any different from those for py3. So with gdal-python scripts installed it should work there too - often.

My expectation was, that python would look in PATH or PYTHONPATH for script files - apparently not happening.

#11 - 2019-02-10 09:34 PM - Jürgen Fischer
- % Done changed from 0 to 100
- Status changed from Feedback to Closed

Applied in changeset commit:ogisjeea4eda6a35f1a06f84f198249b51b169144c46f.