GDAL python tools are broken in QGIS 3.4.4/master

Status: Closed
Priority: High
Assignee: Windows Package
Affected QGIS version: 3.5 (master)
Operating System: Windows
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/a14f75dc2cc3467ea263dfff8f94899e/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,
So this is an osgeo4w packaging issue, right? Not qgis?

Nyall Dawson wrote:

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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.

Giovanni Manghi wrote:

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Category changed from Processing/GDAL to Windows Package

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

Jürgen Fischer wrote:

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

 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.

Jürgen Fischer 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

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: qgis/eea4eda6a35f1a06f84f198249b51b169144c46f.