

QGIS Application - Bug report #21210

GDAL python tools are broken in QGIS 3.4.4/master

2019-02-08 03:45 PM - Giovanni Manghi

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Windows Package	
Affected QGIS version:	3.5(master)	Regression?: Yes
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 29028
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,		

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.

#3 - 2019-02-08 09:33 PM - Niall Dawson

- Status changed from Open to Feedback

So this is an osgeo4w packaging issue, right? Not qgis?

#4 - 2019-02-09 11:12 AM - Giovanni Manghi

Niall Dawson wrote:

| *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 osgeo4w bug tracker will pass unnoticed and we will ship a new release with such important tools broken.

#5 - 2019-02-09 11:12 AM - Giovanni Manghi

- Status changed from Feedback to Open

#6 - 2019-02-09 09:09 PM - Niall Dawson

- Category changed from Processing/GDAL to Windows Package

#7 - 2019-02-10 09:06 AM - Alexander Bruy

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

#8 - 2019-02-10 05:46 PM - Jürgen Fischer

Giovanni Manghi 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.

#9 - 2019-02-10 05:58 PM - Jürgen Fischer

- Status changed from Open to Feedback

#10 - 2019-02-10 08:36 PM - Jürgen Fischer

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*

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 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.