**QGIS Application - Bug report #21210**  
GDAL python tools are broken in QGIS 3.4.4/master

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

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>High</td>
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<tr>
<td>Assignee:</td>
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<tr>
<td>Category:</td>
<td>Windows Package</td>
</tr>
<tr>
<td>Affected QGIS version:</td>
<td>3.5(master)</td>
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<tr>
<td>Regression?:</td>
<td>Yes</td>
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<tr>
<td>Easy fix?:</td>
<td>No</td>
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<td>Resolution:</td>
<td></td>
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<td>Copied to github as #:</td>
<td>29028</td>
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</tbody>
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**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?

Nyall Dawson wrote:

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.

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.

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 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.