

## QGIS Application - Bug report #20721

### gdal:warpproject missing old 'extra' param

2018-12-04 04:57 PM - Juan Manuel Perez

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>	Alexander Bruy	
<b>Category:</b>	Processing/GDAL	
<b>Affected QGIS version:</b>	3.5(master)	<b>Regression?:</b> Yes
<b>Operating System:</b>	Windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch applied:</b>	Yes	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 28541

#### Description

This issue seems related to #20586.

In QGIS 2.18 we were using "gdalogr:warpproject" passing '-srcnodata {some\_value} -dstalpha' as 'extra' param. The processing toolbox allowed setting it using the item 'Additional creation parameters'.

In our case, this 'extra' param was needed to correctly get the transparency on a given raster.

In QGIS 3.4 and 3.5(master), this 'extra' argument is not available any more: nor in the dialog opened from the processing toolbox, nor in the arguments shown by processing.algorithmHelp("gdal:warpproject")

So, with QGIS 3 we have lost the availability to pass gdal the extra params -srcnodata and -dstalpha.

#### Dirty workaround

By the way, we have found and we are using a quite dirty trick to have gdal receive this -srcnodata and -dstalpha parameters. We pass 'options' set with a value such as this:

```
'COMPRESS=JPEG|JPEG_QUALITY=75|-dummyworkaround -srcnodata {} -dstalpha'
```

That, just by chance, seems that makes gdal receive a "-co -dummyworkaround" that is ignored, and then the -srcnodata and -dstalpha that we need...

```
04-12-2018 16:39:19 - gdalwarp -s_srs EPSG:32635 -t_srs EPSG:32635 -r near -ot Byte -of GTiff -co COMPRESS=JPEG -co JPEG_QUALITY=75 -co -dummyworkaround -srcnodata -9999.0 -dstalpha
D:\users\jmperez\temp\newTpzLayer7offnjok\tmp_merged_via_virtual_raster.tif D:\users\jmperez\temp\newTpzFilemfoh41a0.tif
04-12-2018 16:39:19 - Warning 6: creation option '-dummyworkaround' is not formatted with the key=value format
04-12-2018 16:39:19 - Creating output file that is 269P x 177L.
04-12-2018 16:39:19 - Processing D:\users\jmperez\temp\newTpzLayer7offnjok\tmp_merged_via_virtual_raster.tif [1/1] :
0...10...20...30...40...50...60...70...80...90...Warning 1: TIFFReadDirectory:Sum of Photometric type-related color channels and
ExtraSamples doesn't match SamplesPerPixel. Defining non-color channels as ExtraSamples.
04-12-2018 16:39:19 - 100 - done.
```

#### Associated revisions

Revision bb2c3663 - 2019-01-21 11:39 PM - Alexander Bruy

[processing] add optional EXTRA parameter to gdalwarp algorithm (fix #20721)

This allows users to pass additional command-line arguments which are not exposed in the algorithm definition. The most frequent use case is enabling transparency and adding nodata values.

## Revision f74c280c - 2019-01-22 10:39 AM - Alexander Bruy

[processing] add optional EXTRA parameter to gdalwarp algorithm (fix #20721)

This allows users to pass additional command-line arguments which are not exposed in the algorithm definition. The most frequent use case is enabling transparency and adding nodata values.

(cherry picked from commit bb2c3663b0033269b4720477a809b206d22cd899)

## History

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### #1 - 2018-12-06 09:56 AM - Giovanni Manghi

- Category changed from GDAL Tools to Processing/GDAL
- Priority changed from Normal to High
- Assignee set to Giovanni Manghi

### #2 - 2019-01-21 07:33 PM - Alexander Bruy

- Assignee changed from Giovanni Manghi to Alexander Bruy
- Pull Request or Patch supplied changed from No to Yes

PR <https://github.com/qgis/QGIS/pull/8930>

### #3 - 2019-01-21 11:39 PM - Alexander Bruy

- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset commit:qgis|bb2c3663b0033269b4720477a809b206d22cd899.

### #4 - 2019-01-22 07:19 AM - Alexander Bruy

- Resolution set to fixed/implemented