

QGIS Application - Bug report #12795

Georeferencer generates incorrect GDAL script when input file is JPG

2015-05-21 01:43 AM - Casper Børgesen

Status: Closed	
Priority: Normal	
Assignee:	
Category: C++ plugins/Georeferencer	
Affected QGIS version: 2.8.5	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: end of life
Crashes QGIS or corrupts data: No	Copied to github as #: 20891
Description	
Problem: When georeferencing a <i>JPEG</i> image QGIS return telling the transformation could not be made.	
Why: According to the <i>GDAL script</i> QGIS can generate, the process is split into two steps: <ol style="list-style-type: none">gdal_translategdalwarp	
Script: <pre>gdal_translate -of GTiff -gcp ... -gcp ... "original.jpg" "temp.jpg" gdalwarp -r near -tps -co COMPRESS=LZW -dstalpha "temp.jpg" "result.tif"</pre>	
The input and output argument provided to gdal_translate is both with <i>JPG</i> extension, while the -of argument is GTiff. gdalwarp cannot handle a GeoTIFF image with JPG extension.	
Solution: So either should the first process set the -of argument to JPEG (in this instance) or change the output extension to <i>TIF</i> .	

History

#1 - 2015-06-18 12:32 AM - Nyall Dawson

- Status changed from Open to Feedback

I can't reproduce - is this only when using the generated GDAL scripts? Does the georeferencing work OK from within QGIS itself?

#2 - 2015-06-18 05:33 AM - Casper Børgesen

Nyall Dawson wrote:

| I can't reproduce - is this only when using the generated GDAL scripts? Does the georeferencing work OK from within QGIS itself?

I reported this problem because my users couldn't use QGIS directly and I had to create a batch script to solve the problem. That's why I discovered the JPEG/TIFF problem.

I have a rather large (30MB) JPEG image and when I use QGIS to georeference it, I get the error "Failed to compute GCP transform. Transform is not solvable.". When I correct the JPEG/TIFF problem in the corresponding GDAL script generated by QGIS, the same transform succeeds. That's why I thought the problem indeed was the extension.

I have just tried though with a small JPEG image and QGIS was able to transform it. I have tried both in QGIS f4c3f3d (latest weekly for windows).

Could this be image size related somehow?

#3 - 2015-06-18 05:45 AM - Nyal Dawson

So... to clarify, there's two issues. One is that the generated GDAL script is wrong, the second is that QGIS can't transform your file. Can you open a second issue for the failing to transform issue, and attach a link to the data and GCP points file?

#4 - 2015-06-18 05:46 AM - Nyal Dawson

- *Subject changed from Georeferencer sets wrong extension when inputting JPEG to Georeferencer generates incorrect GDAL script when input file is JPG*

#5 - 2015-12-27 03:11 PM - Giovanni Manghi

- *Operating System deleted (windows)*
- *Affected QGIS version changed from 2.8.1 to 2.8.5*
- *Status changed from Feedback to Open*

#6 - 2017-05-01 01:07 AM - Giovanni Manghi

- *Regression? set to No*
- *Easy fix? set to No*

#7 - 2019-03-09 03:12 PM - Giovanni Manghi

- *Resolution set to end of life*
- *Status changed from Open to Closed*

End of life notice: QGIS 2.18 LTR

Source:

<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>