

## QGIS Application - Bug report #9080

### GdalTools (QGIS 2.0.1) fail if file path includes non-ascii characters

2013-11-18 05:35 PM - Minoru Akagi

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Processing/GDAL	
<b>Affected QGIS version:</b>	2.0.1	<b>Regression?:</b> No
<b>Operating System:</b>	Windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> not reproducible
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 17725
<b>Description</b>		
<p>This problem was fixed once in 1.9 (commit:8970a1f), but it was affected by commit:c9eb4f2 I made to fix an issue #8010. I'm sorry for this. To fix it again, there might be two solutions in QGIS side.</p> <p>1. revert commit:c9eb4f2 Most users do not set the environment variable GDAL_FILENAME_IS_UTF8, I guess.</p> <p>2. add --config GDAL_FILENAME_IS_UTF8 NO option into gdal command arguments. This works in my environment. I think this way is better than 1.</p>		

#### History

##### #1 - 2013-11-18 10:34 PM - Minoru Akagi

Another solution is here! in qgis.bat ([qgis.bat.tmpl](#)):

```
- set GDAL_FILENAME_IS_UTF8=YES
+ set GDAL_FILENAME_IS_UTF8=
```

These have the same meaning since internal [default value of GDAL\\_FILENAME\\_IS\\_UTF8 is YES](#), and the new setting do not force the environment variable value to gdal program process.

##### #2 - 2014-03-10 12:11 AM - Minoru Akagi

.exe utility programs (e.g. gdalwarp.exe) work with one of the above options, but python utilities (e.g. gdal\_merge.py) do not work in any ways. I tested some more:

```
# gdalwarp works with the configuration option GDAL_FILENAME_IS_UTF8=NO
D:\>gdalwarp --config GDAL_FILENAME_IS_UTF8 NO ???\N34E130.tif ???\N34E131.tif out.tif
Processing input file ???\N34E130.tif.
0...10...20...30...40...50...60...70...80...90...100 - done.
Processing input file ???\N34E131.tif.
0...10...20...30...40...50...60...70...80...90...100 - done.

# gdal_merge doesn't work with directly specified non-ASCII path
D:\>gdal_merge --config GDAL_FILENAME_IS_UTF8 NO -o out.tif ???\N34E130.tif ???\N34E131.tif
ERROR 4: `eXg\N34E130.tif' does not exist in the file system,
```

```
# gdal_merge works with UTF-8 encoded parameter file
# param.txt contains string "-o out.tif [???]\N34E130.tif [???]\N34E131.tif" in UTF-8
D:\>gdal_merge --config GDAL_FILENAME_IS_UTF8 YES --optfile param.txt
0...10...20...30...40...50...60...70...80...90...100 - done.
```

```
# gdal_merge doesn't work with CP932 encoded parameter file
D:\>gdal_merge --config GDAL_FILENAME_IS_UTF8 NO --optfile param_CP932.txt
ERROR 4: '[????]\N34E130.tif' does not exist in the file system,
and is not recognised as a supported dataset name.
```

```
# gdalwarp works with non-ASCII path + wildcard
D:\>gdalwarp --config GDAL_FILENAME_IS_UTF8 NO [???]*.tif out.tif
Creating output file that is 3601P x 1201L.
Processing input file [???]\N34E130.tif.
0...10...20...30...40...50...60...70...80...90...100 - done.
Processing input file [???]\N34E131.tif.
0...10...20...30...40...50...60...70...80...90...100 - done.
Processing input file [???]\N34E132.tif.
0...10...20...30...40...50...60...70...80...90...100 - done.
```

```
# gdalwarp doesn't work with non-ASCII path + wildcard in UTF-8 encoded parameter file
# param_warp.txt contains string "[???]*.tif out.tif"
D:\>gdalwarp --config GDAL_FILENAME_IS_UTF8 YES --optfile param_warp.txt
ERROR 4: '[????].tif' does not exist in the file system,
and is not recognised as a supported dataset name.
```

### #3 - 2014-06-12 02:20 AM - Minoru Akagi

I did not understand this problem well. GdalTools do not simply set GDAL\_FILENAME\_IS\_UTF8=NO, but append "NO" to the variable. GDAL\_FILENAME\_IS\_UTF8 is set to "YES;NO" after running one of GdalTools. This is why GDAL tools (.exe) do not work with non-ASCII path in Windows.

### #4 - 2017-01-02 05:55 AM - Giovanni Manghi

- Category changed from GDAL Tools to Processing/GDAL

### #5 - 2017-02-07 01:30 AM - Alexander Bruy

- Status changed from Open to Feedback

Is it true for Processing front-end in master?

### #6 - 2017-02-27 02:48 PM - Giovanni Manghi

- Resolution set to not reproducible

- Status changed from Feedback to Closed

Closing for lack of feedback.