

# QGIS Application - Bug report #17864

## Graphical modeler doesn't preserve utf 8 encoding

2018-01-16 06:50 AM - Christian Metzger

|  |                                      |
|--|--------------------------------------|
| <b>Status:</b> Closed  |                                      |
| <b>Priority:</b> Normal  |                                      |
| <b>Assignee:</b> Victor Olaya  |                                      |
| <b>Category:</b> Processing/Modeller   |                                      |
| <b>Affected QGIS version:</b> 2.18.15  | <b>Regression?:</b> No               |
| <b>Operating System:</b> windows 7 64 bit  | <b>Easy fix?:</b> Yes                |
| <b>Pull Request or Patch supplied:</b> No  | <b>Resolution:</b> fixed/implemented |
| <b>Crashes QGIS or corrupts data:</b> No   | <b>Copied to github as #:</b> 25759  |
| <b>Description</b>   |                                      |
| qgis processing algorithms which I use in a model don't preserve utf 8 encoding. |                                      |

### History

#### #1 - 2018-02-13 10:53 AM - Mathieu Pellerin - nIRV

- Status changed from Open to Feedback

Christian, can you be a bit more specific here? I'm a regular user of utf8-encoded datasets (including shapefiles), and QGIS algorithms within models are fine on my machine.

FYI, using GRASS algorithm will most likely result in loss of utf8-encoded VARCHAR/TEXT fields, but that's not related to QGIS or its modeler. You can preserve utf8-encoding of your shapefile by adding the following system variable:

```
SHAPE_ENCODING=UTF-8
```

You can add that through QGIS's preference window (System -> Environment [variables]). Cheers

#### #2 - 2018-02-14 10:29 AM - Christian Metzger

- File *Setting\_environmentvariables.png* added

Hi Mathieu,

thank you for the answer I tried the hint with the environment variables but it still doesn't work (I attached a screenshot with my settings of environment variable)

Do I have to reboot my computer to set the environment variables or only restart QGIS?

My utf 8 encoding is still corrupted when running a model or executing a GRASS algorithm.

I am using QGIS 2.18.16 now. I installed from OsGeo4W.

I attached a test model (very simple, save selected features) and a test shapefile to my issue.

Could you may run this model with the attached shapefile and check if the utf 8 encoding (Laotian script) has been preserved?

#### #3 - 2018-09-25 03:57 AM - Nyall Dawson

Please try with 3.3 nightlies and report if this is still an issue - the whole modeler backend has been rewritten and this is likely no longer an issue.

#### #4 - 2018-09-25 05:56 AM - Christian Metzger

Thank you Nyal for the hint.

I found a solution that also works for QGIS 2.18. The problem was that utf 8 encoding wasn't enabled for the processing environment. To enable it in windows environment I needed to go to the registry HKEY\_CURRENT\_USER\Software\QGIS\QGIS2\Processing and enable utf 8 encoding

#### #5 - 2018-09-25 08:32 AM - Nyal Dawson

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed

#### Files

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|                                  |         |            |                   |
|----------------------------------|---------|------------|-------------------|
| test.model                       | 3.01 KB | 2018-01-16 | Christian Metzger |
| testshp.7z                       | 1.81 KB | 2018-01-16 | Christian Metzger |
| Setting_environmentvariables.png | 6.45 KB | 2018-02-14 | Christian Metzger |