QGIS Application - Bug report #17864
Graphical modeler doesn`t preserve utf 8 encoding

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

Status:	Closed			
Priority:	Normal			
Assignee:	Victor Olaya			
Category:	Processing/Modeller			
Affected QGIS version:	2.18.15	**Regression?:**	No	
Operating System:	windows 7 64 bit	**Easy fix?:**	Yes	
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:		**Copied to github as #:**	25759	

Description

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 Nyall 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 - Nyall Dawson

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed

Files

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