QGIS Application - Bug report #14286
Saga in QGIS Processing do not support "no ascii filename" in certain algs

2016-02-12 08:49 AM - Jean Hemmi

Status:	Closed			
Priority:	Normal			
Assignee:	Victor Olaya			
Category:	Processing/SAGA			
Affected QGIS version:	2.12.2	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:	No	**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	22279	

Description

From a QGIS plugin, I call through Processing different Saga algs : "clipgridwithpolygon", "contourlinesfromgrid"

The alg "clipgridwithpolygon" accept unicode filename with non ascii char.
The alg contourlinesfromgrid does not.
The code runs fine with "non ascii filename" but when a non ascci appears:

STACK TRACE

```
    "C:/Users/xx/.qgis2/python/plugins\\PhysiocapAnalyseur\\Physiocap_intra_interpolation.py", line 273, in
    physiocap_creer_raster_iso

    File "C:/Users/xx/.qgis2/python/plugins\\processing\\tools\\general.py", line 71, in runalg
    alg = Processing.runAlgorithm(algOrName, None, *args, **kwargs)
    File "C:/Users/xx/.qgis2/python/plugins\\processing\\core\\Processing.py", line 337, in runAlgorithm
    print 'Unable to execute algorithm\
    ' + msg
    UnicodeEncodeError: 'ascii' codec can't encode character u'\\xe9' in position 90: ordinal not in range(128)
```

The portion of code

```
    from __future__ import unicode_literals
    import procesing
    ....
    raster_dans_poly = processing.runalg("saga:clipgridwithpolygon",
            nom_raster_temp,
            nom_vignette,
            nom_raster)

    nom_raster = raster_dans_poly[ 'OUTPUT']
    iso_dans_poly_brut = processing.runalg("saga:contourlinesfromgrid",
            nom_raster,
            isoMin, isoMax, isoInterlignes,
            None)  # here is line 273 but nom_raster is the problem
```

My Question : is this a limitation on the SAGA side or in Processing ?

Is it possible to raise Processing or SAGA exception ?

Problem experienced on Win8 64 Bits Qgis 2.12.3 Processing 2.12.2 Saga 2.1.2

Associated revisions

Revision 61a92e2f - 2016-02-18 01:09 PM - Alexander Bruy

[processing] convert messages to unicode (fix #14286)

History

#1 - 2016-02-12 08:53 AM - Giovanni Manghi

- Status changed from Open to Feedback

have you tried run the same tool using the SAGA command line?

#2 - 2016-02-14 01:46 PM - Jean Hemmi

Giovanni,

Using Processing directly (not from plugin), i confirm that with "inverseDistance" alg has the same probleme :

when the name of output file contains non ascii producing

'ascii' codec can't encode character u'\\xe9'

From the SAGA command line, non ascii char are supported.

Even if some traces are strange... the right interpolation named with not ascci char is OK

@100%

100%Save grid: C:\\Users\\xx\\Desktop\\DATA_PHY\\data\\testÚlÞv\\shapefile\\INTER_PARCE

LLAIRE\\jeanÙlev1...

100%okay

C:\\Program Files\\QGIS Lyon\\apps\\saga>saga_cmd grid_gridding 1

-SHAPES:C:\\Users\\xxx\\Desktop\\DATA_PHY\\data\\testélèv\\shapefile\\INTER_PARCELLAIRE\\testélèv_POINTS_UN

_CONTOUR_L93.shp -FIELD:DIAM -USER_GRID:C:\\Users\\xxx\\Desktop\\DATA_PHY\\data\\testé

lèv\\shapefile\\INTER_PARCELLAIRE\\jeanëlev1

@

#3 - 2016-02-18 05:55 AM - Alexander Bruy

- Status changed from Feedback to Closed

Fixed in changeset commit:"61a92e2face35a60487cdb298a4b731ec88951ab".

#4 - 2016-04-05 05:19 AM - Jean Hemmi

- File 2016-04-05_QGIS_2.14.1-Essen_-_processing_log.png added

- Status changed from Closed to Reopened

- File 2016-04-05_QGIS_2.14.1-Essen_-_python_error.png added

I've test the fix under Win7 64 Bits, QGIS 2.14.1, Processing 2.1.12 & Saga 2.1.2 : it does not change this problem :

I send two screen shots:

- the first give the processing log (the grid command)
- the second the python error log

In the layer & canva, you can see the saga alg result (when file name is **"jh"**), but when the context is changes to **"jéöh"** , Processing raises a python error.

SAGA starts works creating the prj file but sdat it not created...

My Question : is this a limitation on the SAGA side or in Processing ?

Is it possible to catch Processing or SAGA exception ?

Thanks

#5 - 2016-04-09 11:22 AM - Giovanni Manghi

- Status changed from Reopened to Feedback

- OS version deleted (Qgis 2.12.x Processing 2.12.2)

- Operating System deleted (Windows 8 64 bits)

- Target version deleted (Version 2.14)

Jean Hemmi wrote:

> *I've test the fix under Win7 64 Bits, QGIS 2.14.1, Processing 2.1.12 & Saga 2.1.2 : it does not change this problem :*

are you sure you are using a version of Processing that includes the fix?

#6 - 2016-04-10 12:00 AM - Alexander Bruy

Seems you tested same installation as previous.

Where you get this Processing 2.1.12? I can not find such version in plugins repository. Also note, that Processing in master has different version number.

#7 - 2016-04-11 12:42 AM - Jean Hemmi

Ooups, it was a typo error.

Processing tested was 2.12.2 after re-installed from plugins repository.

I have not verified whether the fix was inside.

I'll have my "test machine" tomorrow and tell you.

#8 - 2016-04-11 12:48 AM - Giovanni Manghi

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed

Jean Hemmi wrote:

> *Ooups, it was a typo error.*
> *Processing tested was 2.12.2 after re-installed from plugins repository.*

this way you'll get an older, non patched version of Processing.
You have to remove any "processing" folder from .qgis2/python/plugins and then install QGIS 2.14

Please test this way, and reopen if necessary.

Files

2016-04-05_QGIS_2.14.1-Essen_-_processing_log.png	113 KB	2016-04-05	Jean Hemmi
2016-04-05_QGIS_2.14.1-Essen_-_python_error.png	116 KB	2016-04-05	Jean Hemmi