

QGIS Application - Bug report #20244

Processing/GRASS do not work if Windows regional settings are not set to EN

2018-10-28 10:23 AM - Marcin Domański

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Processing/GRASS	
Affected QGIS version:	3.4.0	Regression?: Yes
Operating System:	Windows 10	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 28065
Description		
Hi, Each time I want run any Grass algorithm from processing toolbox, I have this kind of error: Traceback (most recent call last): File "C:/OSGEO4~1/apps/qgis/.python/plugins\processing\algs\grass7\Grass7Algorithm.py", line 411, in processAlgorithm Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands) File "C:/OSGEO4~1/apps/qgis/.python/plugins\processing\algs\grass7\Grass7Utils.py", line 369, in executeGrass for line in iter(proc.stdout.readline, ""): File "C:/OSGEO4~1/apps/Python37/lib\codecs.py", line 322, in decode (result, consumed) = self._buffer_decode(data, self.errors, final) UnicodeDecodeError: 'utf-8' codec can't decode byte 0xb3 in position 50: invalid start byte 0xb3 is polish ł letter, but I don't know which data are read on this level...		
Related issues:		
Duplicated by QGIS Application - Bug report # 20608: r.viewshed fails in Wind...		Closed 2018-11-23

History

#1 - 2018-10-28 09:40 PM - Giovanni Manghi

- Status changed from Open to Feedback
- Easy fix? changed from Yes to No

do you have special chars in the datasources paths or names?

#2 - 2018-10-30 12:04 AM - Pedro Venâncio

Similar error here, on QGIS 3.4:

```
Traceback (most recent call last):
File "C:/OSGEO4~1/apps/qgis-rel-dev/.python/plugins\processing\algs\grass7\Grass7Algorithm.py", line 411, in processAlgorithm
Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands)
File "C:/OSGEO4~1/apps/qgis-rel-dev/.python/plugins\processing\algs\grass7\Grass7Utils.py", line 372, in executeGrass
for line in iter(proc.stdout.readline, ""):
File "C:/OSGEO4~1/apps/Python37/lib\codecs.py", line 322, in decode
```

(result, consumed) = self._buffer_decode(data, self.errors, final)

UnicodeDecodeError: 'utf-8' codec can't decode byte 0xc7 in position 4: invalid continuation byte

Giovanni, data and paths don't have any complex characters, and work well on QGIS 2.18.25.

Cleaning C:\Users\PedroVenancio\AppData\Roaming\QGIS\QGIS3\profiles\default does not solved the problem.

#3 - 2018-10-30 10:16 AM - Giovanni Manghi

- Priority changed from Normal to High

- Affected QGIS version changed from 3.2.3 to 3.4.0

- Subject changed from UTF-8 decode error each time when I try to run any Grass algorithm to UTF-8 decode error each time when I try to run any GRASS algorithm

- Status changed from Feedback to Open

- Regression? changed from No to Yes

#4 - 2018-10-30 05:31 PM - Giovanni Manghi

- Status changed from Open to Feedback

I assume you are using a localized OS, can you test with an OS in English?

#5 - 2018-10-30 11:31 PM - Pedro Venâncio

Changing windows regional settings to English (United States) solves the problem!

So, the problem is related to some regional setting(s).

#6 - 2018-10-31 10:31 AM - Giovanni Manghi

- Subject changed from UTF-8 decode error each time when I try to run any GRASS algorithm to Processing/GRASS do not work if Windows regional settings are not set to EN

- Status changed from Feedback to Open

#7 - 2018-11-02 03:58 PM - Cong Ning

I'm a chinese. I meet the same problem on QGIS3.4. However I make sure there is no any special chars in path.(no chinese and I also try to use temporary layer)

I change the windows region to US, including system language. But the UI language still shows chinese. I think i don't install EN language package in system.

I also change QGIS locale to US.

Of course, the problem exists.

#8 - 2018-11-05 10:43 AM - Pedro Venâncio

Some inputs from Nyal about this one:

I had a super-brief look into this one. For anyone's who's investigating a fix, it's something like this:

<https://adminsverk.de/python3-unicodedecodeerror-popen/>

(But it's not directly that -- if I do the exact same change then I get a lockup).

Hope that helps!

Nyall

<http://osgeo-org.1560.x6.nabble.com/QGIS-Developer-Early-3-4-point-release-tp5383869p5384478.html>

#9 - 2018-11-05 02:57 PM - Olivier ATHIMON

- File *error_processing_grass.jpg* added

- File *error_processing_grass_witn_another_profile.jpg* added

Same problem with a french or english windows region for default profile and new profile With QGIS 3.4.1 (standalone or OSGeo4W64 installation) and Windows 7 (and 10), +when i am executing any function GRASS from processing, i have no results and this error message:

"Traceback (most recent call last):

File "C:/PROGRA~1/QGIS3~1.4/apps/qgis/.python/plugins\processing\algs\grass7\Grass7Algorithm.py", line 415, in processAlgorithm
Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands)

File "C:/PROGRA~1/QGIS3~1.4/apps/qgis/.python/plugins\processing\algs\grass7\Grass7Utils.py", line 372, in executeGrass
for line in iter(proc.stdout.readline, ""):

File "C:/PROGRA~1/QGIS3~1.4/apps/Python37/lib\codecs.py", line 322, in decode

(result, consumed) = self._buffer_decode(data, self.errors, final)

UnicodeDecodeError: 'utf-8' codec can't decode byte 0xe9 in position 1: invalid continuation byte

Échec d'exécution au bout de 0.34 secondes

Chargement des couches de résultat

Les couches suivantes n'ont pas été générées correctement.D:/test.tifVous pouvez vérifier le Panel de messages du journal dans la fenêtre principale de QGIS pour trouver plus d'informations à propos de l'exécution de l'algorithme."

It's running without problem with QGIS 2.18.25 (OSGeo4W installation) and Windows 7 (and 10)...

#10 - 2018-11-06 02:56 AM - Cong Ning

Well, the problem still exists in QGIS3.4.1. But I found there are no problems in QGIS3.2.3 without locale change.(Default region is China)

#11 - 2018-11-08 12:02 PM - mr twister

Same here with GRASS (Processing works fine though) with 3.4.1 on Windows 7 and de_ch as regional settings:

Starting GRASS GIS...

Traceback (most recent call last):

File "C:/OSGEO4~1/apps/qgis/.python/plugins\processing\algs\grass7\Grass7Algorithm.py", line 415, in processAlgorithm
Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands)

File "C:/OSGEO4~1/apps/qgis/.python/plugins\processing\algs\grass7\Grass7Utils.py", line 372, in executeGrass
for line in iter(proc.stdout.readline, ""):

File "C:/OSGEO4~1/apps/Python37/lib\codecs.py", line 322, in decode

(result, consumed) = self._buffer_decode(data, self.errors, final)

UnicodeDecodeError: 'utf-8' codec can't decode byte 0xf6 in position 81: invalid start byte

After switching OS regional setting to en_us and also QGIS locale to en_us, everything works fine. Probably related to #20344?

#12 - 2018-11-23 06:29 PM - Giovanni Manghi

- *Category changed from GRASS to Processing/GRASS*

#13 - 2018-11-24 04:35 PM - Jürgen Fischer

- *Duplicated by Bug report #20608: r.viewshed fails in Windows due to unicode added*

#14 - 2018-11-27 08:37 AM - mr twister

For me, this issue is solved with 3.4.2. Can anybody confirm this?

#15 - 2018-11-27 10:47 AM - Cong Ning

Of course, the issue is solved too in Chinese system with QGIS3.4.2.

#16 - 2018-11-27 10:58 AM - Nyall Dawson

- *Resolution set to fixed/implemented*

- *Status changed from Open to Closed*

#17 - 2018-11-27 11:13 AM - Pedro Venâncio

Fix confirmed also here!

Thanks!

#18 - 2018-12-10 11:01 AM - Pedro Venâncio

Can someone with regional settings different from English test this issue again?

I'm getting a similar error, even after this commit:0c36b90eafc80e4b6bfe7091b9c07ecf80afc744

Traceback (most recent call last):

File "C:/OSGEO4~1/apps/qgis-rel-dev/.python/plugins\processing\algs\grass7\Grass7Algorithm.py", line 413, in processAlgorithm

Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands)

File "C:/OSGEO4~1/apps/qgis-rel-dev/.python/plugins\processing\algs\grass7\Grass7Utils.py", line 375, in executeGrass

for line in iter(proc.stdout.readline, ""):

File "C:/OSGEO4~1/apps/Python37/lib\codecs.py", line 322, in decode

(result, consumed) = self._buffer_decode(data, self.errors, final)

UnicodeDecodeError: 'CP_UTF8' codec can't decode byte 0xc7 in position 4: No mapping for the Unicode character exists in the target code page.

The difference is:

UnicodeDecodeError: 'CP_UTF8' codec can't decode byte 0xc7 in position 4: No mapping for the Unicode character exists in the target code page.

#19 - 2018-12-10 11:18 AM - Pedro Venâncio

Ok, the problem is this one, commented in this commit:[b39e5a0937e5e317b42088e8a8ccae327ae8e033](https://github.com/OSGeo/processing-windows/commit/b39e5a0937e5e317b42088e8a8ccae327ae8e033)

#20 - 2019-01-21 11:05 PM - Frédéric Lévesque

Hi, is this the same problem?

I run 3.4.2 on a french canadian windows 10 machine, qgis is made portable with a batch script.

Processing algorithm...

Algorithm 'v.clean' starting...

Input parameters:

```
{ '-b' : False, '-c' : False, 'GRASS_MIN_AREA_PARAMETER' : 0.0001, 'GRASS_OUTPUT_TYPE_PARAMETER' : 0,
'GRASS_REGION_PARAMETER' : None, 'GRASS_SNAP_TOLERANCE_PARAMETER' : -1, 'GRASS_VECTOR_DSCO' : '',
'GRASS_VECTOR_LCO' : '', 'error' :
'C:/Users/my_username/AppData/Local/Temp/processing_287288bf2b804ee6b24c5552db1bb035/f7dda6a0a1ce48a59c7093e54c901e38/error.gpkg', 'input'
.gpkg', 'input' : 'C:\\Users\\my_username\\Desktop\\temp\\rmareatest.shp|layername=rmareatest', 'output' :
'C:/Users/my_username/AppData/Local/Temp/processing_287288bf2b804ee6b24c5552db1bb035/5e410c8fe7594c23bf3f92bb2285e722/output.gpkg', 'thresh
t.gpkg', 'threshold' : '', 'tool' : [10], 'type' : [4] }
```

```
v.in.ogr min_area=0.0001 snap=-1.0 input="C:\\Users\\my_username\\Desktop\\temp\\rmareatest.shp" layer="rmareatest"
```

```
output="vector_5c46404173fb23" --overwrite -o
```

```
g.region n=5062643.2 s=5048824.38 e=306671.14 w=294370.81
```

```
v.clean input=vector_5c46404173fb23 type="area" tool="rmarea" output=outputb4bb433870364941aae38cbb027e68be
```

```
error=errorb4bb433870364941aae38cbb027e68be --overwrite
```

```
v.out.ogr -c type="auto" input="outputb4bb433870364941aae38cbb027e68be"
```

```
output="C:\\Users\\my_username\\AppData\\Local\\Temp\\processing_287288bf2b804ee6b24c5552db1bb035\\5e410c8fe7594c23bf3f92bb2285e722\\output.gpkg
2\\output.gpkg" format="GPKG" --overwrite
```

```
v.out.ogr -c type="auto" input="errorb4bb433870364941aae38cbb027e68be"
```

```
output="C:\\Users\\my_username\\AppData\\Local\\Temp\\processing_287288bf2b804ee6b24c5552db1bb035\\f7dda6a0a1ce48a59c7093e54c901e38\\error.gpkg
38\\error.gpkg" format="GPKG" --overwrite
```

Le chemin d'accès sp,cifi, est introuvable.

Le chemin d'accès sp,cifi, est introuvable.

File "C:_Cportable\\QGIS_3.4.2_x64\\qgis\\apps\\Python37\\lib\\site.py", line 177

file=sys.stderr)

^

SyntaxError: invalid syntax

Appuyez sur une touche pour continuer...

Traceback (most recent call last):

File "C:_Cportable\\QGIS_3.4.2_x64\\qgis\\apps\\qgis\\.\\python\\plugins\\processing\\algs\\grass7\\Grass7Algorithm.py", line 413, in processAlgorithm

Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands)

File "C:_Cportable\\QGIS_3.4.2_x64\\qgis\\apps\\qgis\\.\\python\\plugins\\processing\\algs\\grass7\\Grass7Utils.py", line 411, in executeGrass

startupinfo=si if isWindows() else None

File "C:_Cportable\\QGIS_3.4.2_x64\\qgis\\apps\\Python37\\lib\\subprocess.py", line 756, in __init__

restore_signals, start_new_session)

File "C:_Cportable\\QGIS_3.4.2_x64\\qgis\\apps\\Python37\\lib\\subprocess.py", line 1155, in _execute_child

startupinfo)

OSError: [WinError 87] Paramètre incorrect

Execution failed after 0.63 seconds

Loading resulting layers

The following layers were not correctly

generated.C:/Users/my_username/AppData/Local/Temp/processing_287288bf2b804ee6b24c5552db1bb035/5e410c8fe7594c23bf3f92bb2285e722/cb2285e722/output.gpkgC:/Users/my_username/AppData/Local/Temp/processing_287288bf2b804ee6b24c5552db1bb035/f7dda6a0a1ce48a59c7093e48a59c7093e54c901e38/error.gpkgYou can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.

#21 - 2019-01-22 11:47 AM - Jürgen Fischer

- Description updated

Files

error_processing_grass.jpg	212 KB	2018-11-05	Olivier ATHIMON
error_processing_grass_witn_another_profile.jpg	269 KB	2018-11-05	Olivier ATHIMON