

QGIS Application - Bug report #20632

Grass7 v.dissolve algorithm not working on Windows (WinError 87)

2018-11-26 02:39 PM - Juan Manuel Perez

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Processing/GRASS	
Affected QGIS version:	3.4.1	Regression?: Yes
Operating System:	Windows	Easy fix?: No
Pull Request or Patch applied:	Yes	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 28452
Description		
GRASS v.dissolve algorithm from the Processing Toolbox doesn't seem to work in Windows systems. It always ends with a "WinError 87" message. Processing algorithm... Algorithm 'v.dissolve' starting... Input parameters: <pre>{ 'GRASS_MIN_AREA_PARAMETER' : 0.0001, 'GRASS_OUTPUT_TYPE_PARAMETER' : 0, 'GRASS_REGION_PARAMETER' : '931552.2699986211,931578.6464162593,4594204.021120116,4594222.847410772 [EPSG:25830]', 'GRASS_SNAP_TOLERANCE_PARAMETER' : -1, 'GRASS_VECTOR_DSCO' : '', 'GRASS_VECTOR_LCO' : '', 'column' : 'dummy', 'input' : 'D:\\Temp\\bug_WinError87_qgis3master_windows_grass7_dissolve.shp', 'output' : 'D:/users/jmperez/temp/processing_09e5daff338d4f9a94da2bed783de249/75ccebd142da49bfa50071a54f05143f/output.shp' }</pre> g.region n=4594222.847410772 s=4594204.021120116 e=931578.6464162593 w=931552.2699986211 v.dissolve input=vector_5bfbd3302f9b07 column=dummy output=output59e5c6cbc13049c9ac24b6b4289968d8 --overwrite v.out.ogr -c type="auto" input="output59e5c6cbc13049c9ac24b6b4289968d8" output="D:\\users\\jmperez\\temp\\processing_09e5daff338d4f9a94da2bed783de249\\75ccebd142da49bfa50071a54f05143f\\output.shp" format="ESRI_Shapefile" --overwrite Cleaning up temporary files... Starting GRASS GIS... WARNING: Concurrent mapset locking is not supported on Windows Executing <D:\\users\\jmperez\\temp\\processing_09e5daff338d4f9a94da2bed783de249\\grassdata\\grass_batch_job.cmd> ... C:\\PROGRA~1\\QGIS 3.4\\bin>chcp 1252 1>NUL C:\\PROGRA~1\\QGIS 3.4\\bin>g.region n=4594222.847410772 s=4594204.021120116 e=931578.6464162593 w=931552.2699986211 C:\\PROGRA~1\\QGIS 3.4\\bin>v.dissolve input=vector_5bfbd3302f9b07 column=dummy output=output59e5c6cbc13049c9ac24b6b4289968d8 --overwrite Execution of <D:\\users\\jmperez\\temp\\processing_09e5daff338d4f9a94da2bed783de249\\grassdata\\grass_batch_job.cmd> finished. Cleaning up temporary files... 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 408, in executeGrass startupinfo=si if isWindows() else None File "C:\\PROGRA~1\\QGIS3~1.4\\apps\\Python37\\lib\\subprocess.py", line 756, in __init__ restore_signals, start_new_session) File "C:\\PROGRA~1\\QGIS3~1.4\\apps\\Python37\\lib\\subprocess.py", line 1155, in _execute_child startupinfo)		

OSError: [WinError 87] El parámetro no es correcto

Execution failed after 1.40 seconds

Loading resulting layers

The following layers were not correctly

generated.D:/users/jmperez/temp/processing_09e5daff338d4f9a94da2bed783de249/75cceb142da49bfa50071a54f05143f/output.s

43f/output.shpYou can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.

I've attached a sample zipped shapefile used for this test.

Associated revisions

Revision 42e30b65 - 2018-11-27 03:14 PM - Luigi Pirelli

Merge pull request #8557 from juanmpd/patch-1

Update Grass7Utils.py. Fixes #20632 #20502

History

#1 - 2018-11-26 02:41 PM - Juan Manuel Perez

It may be related to #20502

#2 - 2018-11-26 03:18 PM - Juan Manuel Perez

Tested in both 3.4.1 and 3.5.0 Nightly. In both of them it fails.

Note about test with 3.5.0 Nightly: I installed it using "osgeo4w-setup-x86_64", selecting qgis-dev (3.5.0-23) and grass-daily (7.7.svn-r73707-326). Doing this result in grass algorithms not running at all (Qgis tries to parse "svn" as an integer,...). I patched it renaming the folder grass-7.7.svn to grass-7.7.0, making a copy of grass77svn.bat into grass.bat, modifying it to replace the reference to grass-7.7.svn folder to grass-7.7.0 folder, and editing env.bat within grass-7.7.0/etc folder to also point to grass-7.7.0 folder instead of grass-7.7.svn one.

#3 - 2018-11-26 03:36 PM - Giovanni Manghi

- Priority changed from Normal to High

- Category changed from GRASS to Processing/GRASS

#4 - 2018-11-27 10:25 AM - Juan Manuel Perez

Just found a change in Grass7Utils.py that seems to solve this problem.

I just created a pull request in github... Sorry if I didn't do it correctly, it is the first time I use it. I don't know how to link here to the pull request. But here is the patch for request:

From 9b61eb8b71876fa36cb6d9c0be78cac22824bc Mon Sep 17 00:00:00 2001

From: juanmpd <45386331+juanmpd@users.noreply.github.com>

Date: Tue, 27 Nov 2018 10:17:02 +0100

Subject: [PATCH] Update Grass7Utils.py

Related to <https://issues.qgis.org/issues/20632>

This seems to solve this issue, but I don't really know if this change may be introducing some collateral effect.

It should be revised by someone with good knowledge of this piece of code.

python/plugins/processing/algs/grass7/Grass7Utils.py | 5 +++++

1 file changed, 5 insertions(+)

diff --git a/python/plugins/processing/algs/grass7/Grass7Utils.py b/python/plugins/processing/algs/grass7/Grass7Utils.py

index a3ffdd919d4..f89fdac2ada 100644

--- a/python/plugins/processing/algs/grass7/Grass7Utils.py

+++ b/python/plugins/processing/algs/grass7/Grass7Utils.py

@@ -400,6 +400,11 @@ def executeGrass(commands, feedback, outputCommands=None):

commands again.

if not grassOutDone and outputCommands:

command, grassenv = Grass7Utils.prepareGrassExecution(outputCommands)

+ # For MS-Windows, we need to hide the console window.

+ if isWindows():

+ si = subprocess.STARTUPINFO()

+ si.dwFlags |= subprocess.STARTF_USESHOWWINDOW

+ si.wShowWindow = subprocess.SW_HIDE

with subprocess.Popen(

command,

shell=False,

#5 - 2018-11-27 12:46 PM - Giovanni Manghi

- Operating System deleted (Windows 7 64 bits)

- Pull Request or Patch supplied changed from No to Yes

#6 - 2018-11-27 12:46 PM - Giovanni Manghi

- Operating System set to Windows

#7 - 2018-11-27 03:14 PM - Luigi Pirelli

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset commit:qgis|42e30b652461992c6fa5d656581ba446f44e693f.

Files

bug_WinError87_qgis3master_windows_grass7_dissolve.zip	2.33 KB	2018-11-26	Juan Manuel Perez
--	---------	------------	-------------------