

QGIS Application - Bug report #8588

problems with grass plug-in on QGIS 64bit

2013-09-09 01:48 AM - Alessandro Ciali

Status: Closed	
Priority: Severe/Regression	
Assignee: Jürgen Fischer	
Category: GRASS	
Affected QGIS version: master	Regression?: No
Operating System: windows	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: up-/downstream
Crashes QGIS or corrupts data: Yes	Copied to github as #: 17330
Description	
On 64bit version of QGIS under windows, grass plugin doesn't work. Program crashes and a minidump is generated. Also Grass command under processing toolbox do not work. 1.8 and last master are affected. Is it a known iussue?	

History

#1 - 2013-09-09 06:02 AM - Giovanni Manghi

I can confirm the issue on QGIS 64bit/osgeo4w. GRASS itself works, so it should really be a QGIS issue. Hopefully is a packaging issue.

#2 - 2013-09-09 11:06 AM - Radim Blazek

What exactly does not work?

- GRASS layers visualization?
- GRASS modules from plugin GUI?
- GRASS modules from QGIS GRASS shell?

Isn't it possible that 64bit modules are run with 32bit libs or vice versa? I am just guessing. The path to GRASS modules is taken from WINGISBASE or GISBASE environment variables or from /GRASS/gisbase QGIS settings. The path to libs should be set in qgis.bat.

Try to verify if your QGIS registry /GRASS/gisbase does not point to 32bit version and path in qgis.bat is correct etc.

#3 - 2013-09-09 11:32 AM - Giovanni Manghi

Radim Blazek wrote:

What exactly does not work? - GRASS layers visualization?
- GRASS modules from plugin GUI?
- GRASS modules from QGIS GRASS shell?

opening a mapset qgis crashes

creating a mapset qgis crashes (when selecting the CRS)

in sextante when opening a grass module the result is

g.proj.exe has stopped working

grass itself works.

Isn't it possible that 64bit modules are run with 32bit libs or vice versa? I am just guessing. The path to GRASS modules is taken from WINGISBASE or GISBASE environment variables or from /GRASS/gisbase QGIS settings. The path to libs should be set in qgis.bat.

Try to verify if your QGIS registry /GRASS/gisbase does not point to 32bit version and path in qgis.bat is correct etc.

this is qgis-dev.bat

```
@echo off
call "%~dp0\o4w_env.bat"
call "%OSGEO4W_ROOT%\apps\grass\grass-6.4.3\etc\env.bat"
@echo off
path %PATH%;%OSGEO4W_ROOT%\apps\qgis-dev\bin;%OSGEO4W_ROOT%\apps\grass\grass-6.4.3\lib
set QGIS_PREFIX_PATH=%OSGEO4W_ROOT%\apps\qgis-dev
set GDAL_FILENAME_IS_UTF8=YES
rem Set VSI cache to be used as buffer, see #6448
set VSI_CACHE=TRUE
set VSI_CACHE_SIZE=1000000
start "QGIS" /B "%OSGEO4W_ROOT%\bin\qgis-dev-bin.exe %*
```

#4 - 2013-09-09 12:22 PM - Steven Horner

I get the same problem when trying to run a GRASS module from within Sextante (r.los) in my case. This happens on both latest weekly 64bit build in Windows and in nightly build in Ubuntu.

I get the same message as you in Windows and I get no message in Ubuntu it just freezes up.

#5 - 2013-09-09 12:24 PM - Jürgen Fischer

- Assignee set to Jürgen Fischer

#6 - 2013-09-09 12:25 PM - Radim Blazek

Can you add debug output from DebugView here? Everything it prints after you click OK in open mapset dialog until it crashes.

#7 - 2013-09-09 12:54 PM - Steven Horner

I'm not sure if this is any help but when running the nightly build 64bit under Ubuntu.

If I try to run r.los under processing (Sextante) I click r.los and I am stuck with the loading symbol. The following are the logs.

INFO:

GRASS execution commands

```
g.proj -c proj4="+proj=utm +zone=30 +ellps=intl +towgs84=-87,-98,-121,0,0,0,0 +units=m +no_defs"
v.in.ogr min_area=0.0001 snap=-1 dsn="/usr/share/qgis/python/plugins/processing/tests/data" layer=points output=tmp1378754122122
--overwrite -o
g.region n=4458983.8488 s=4458921.97814 e=270855.745301 w=270778.60198 res=1
v.voronoi input=tmp1378754122122 output=outputb9f4a9a889314855adeed21adb5c88df --overwrite
v.out.ogr -e input=outputb9f4a9a889314855adeed21adb5c88df dsn="/tmp/processing/e68aaf5c8baa43aab482769f249b0f8c"
format=ESRI_Shapefile olayer=output type=auto
```

ALGORITHM:

```
processing.runalg("grass:v.voronoi","/usr/share/qgis/python/plugins/processing/tests/data/points.shp",False,False,"270778.60198,270855.745301,4458921.97,4458921.97814,4458983.8488",-1,0.0001,0,None)
```

I will try running from within GRASS in QGIS

#8 - 2013-09-09 01:32 PM - Gerhard Spieles

Path in qgis-dev.bat leads to directory OSGEO4W --> = 32 bit.

The standard path for 64bit is "OSGEO4W64".

Maybe, that is an issue?

Gerhard

#9 - 2013-09-09 01:34 PM - Giovanni Manghi

Gerhard Spieles wrote:

Path in qgis-dev.bat leads to directory OSGEO4W --> = 32 bit.

The standard path for 64bit is "OSGEO4W64".

Maybe, that is an issue?

Gerhard

I have installed the 64bit osgeo4w stack in c:\osgeo4w and got the same issues.

#10 - 2013-09-09 03:14 PM - Jürgen Fischer

- Status changed from Open to Closed

- Resolution set to up-/downstream

Try grass-6.4.3-3. Still this is a packaging problem in OSGeo4W (probably due to mingw64 being able to link .lib files, but producing broken binaries in that case) and not a qgis problem.

#11 - 2013-09-09 11:21 PM - Alessandro Ciali

Installed grass 6.4.3-3, I confirm that Qgis 64bit on win7 now is working fine.

Thanks