

QGIS Application - Bug report #18167

I have a modification to make r.mapcalc (grass7/processing toolbox) work with windows 7 and QGIS Master (2.99...)

2018-02-21 03:56 PM - Olivier ATHIMON

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/GRASS	
Affected QGIS version:	master	Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed/implemented
Crashes QGIS or corrupts data:		Copied to github as #: 26058

Description

Hi,

I have a modification to make r.mapcalc (from QGIS/GRASS 7 processing toolbox) work with windows 7 and QGIS Master (2.99...)

In the file : <https://github.com/qgis/QGIS/blob/master/python/plugins/processing/algs/grass7/Grass7Algorithm.py>

You should replace in "def exportRasterLayersIntoDirectory" :

```
for cmd in [self.commands, self.outputCommands]:
    # TODO Windows support
    # TODO Format/options support
    cmd.append("for r in $(g.list type=rast pattern='{}*'); do".format(basename))
    cmd.append(" r.out.gdal -m{0} input=${{r}} output={1}/${{r}}.tif {2}".format(
        ' -t' if colorTable else "", outDir,
        '--overwrite -c createopt="TFW=YES,COMPRESS=LZW"'
    ))
    cmd.append("done")
```

By this:

```
for cmd in [self.commands, self.outputCommands]:
    # TODO Windows support
    # TODO Format/options support
    cmd.append("for /f %r in ("%g.list type=rast"); do r.out.gdal -m{0} input=%r output={1}/%%r.tif {2}".format(
        ' -t' if colorTable else "", outDir,
        '--overwrite -c createopt=\"%TFW=YES,COMPRESS=LZW\"'
    ))
    cmd.append("done")
```

My modification gives this :

```

def exportRasterLayersIntoDirectory(self, name, parameters, context, colorTable=True, wholeDB=False):
    """
    Creates a dedicated loop command to export rasters from
    temporary GRASS DB into a directory via gdal.
    :param name: name of the output directory parameter.
    :param parameters: Algorithm parameters dict.
    :param context: Algorithm context.
    :param colorTable: preserve color Table.
    :param wholeDB: export every raster layer from the GRASSDB
    """

    # Grab directory name and temporary basename
    outDir = os.path.normpath(
        self.parameterAsString(parameters, name, context))
    basename = ""
    if not wholeDB:
        basename = name + self.uniqueSuffix

    # Add a loop export from the basename
    for cmd in [self.commands, self.outputCommands]:
        # TODO Windows support
        # TODO Format/options support
        cmd.append("for r in $(g.list type=rast pattern='{1}'); do".format(basename))
        cmd.append("  r.out.gdal -m{0} input=${{r}} output={1}/${{r}}.tif {2}".format(
            ' -t' if colorTable else "", outDir,
            ' --overwrite -c createopt="TFW=YES,COMPRESS=LZW"'
        ))
        cmd.append("for /f %%r in ('\"g.list type=rast\"'); do r.out.gdal -m{0} input=%%r output={1}/%%r.tif {2}".format(
            ' -t' if colorTable else "", outDir,
            '--overwrite -c createopt=\"TFW=YES,COMPRESS=LZW\"'
        ))
    cmd.append("done")

```

Associated revisions

Revision b39e5a09 - 2018-11-11 03:15 AM - Jürgen Fischer

processing: add windows support to exportRasterLayersIntoDirectory (fixes #20146)

History

#1 - 2018-02-21 03:58 PM - Giovanni Manghi

- Pull Request or Patch supplied changed from No to Yes
- Status changed from Open to Feedback
- Priority changed from High to Normal

Please file a pull request in the QGIS code repository. Thanks!

#2 - 2018-02-21 04:03 PM - Alexander Bruy

- Assignee deleted (Alexander Bruy)

#3 - 2018-02-21 11:36 PM - Olivier ATHIMON

Giovanni Manghi wrote:

| Please file a pull request in the QGIS code repository. Thanks!

I do it :

commit:e5981c9eb41ff87f0827e14afb39361bb6a6fc8e

<https://github.com/qgis/QGIS/blob/e5981c9eb41ff87f0827e14afb39361bb6a6fc8e/python/plugins/processing/algs/grass7/Grass7Algorithm.py>

#4 - 2018-02-25 10:32 PM - Giovanni Manghi

Olivier ATHIMON wrote:

| Giovanni Manghi wrote:

| | Please file a pull request in the QGIS code repository. Thanks!

| I do it :

| commit:e5981c9eb41

| <https://github.com/qgis/QGIS/blob/e5981c9eb41ff87f0827e14afb39361bb6a6fc8e/python/plugins/processing/algs/grass7/Grass7Algorithm.py>

Hi,

I tested the code (on Windows) and it works which is of course very cool (despite the fact that using r.mapcalc is very cumbersome because is needed to manually write the input file names and that the output is not added to the project).

I have anyway 2 questions:

is the code tested on Linux?

where is your PR?

I cannot find it here

<https://github.com/qgis/QGIS/commits?author=ilikeggis>

is not among open or closed ones

<https://github.com/qgis/QGIS/pulls>

#5 - 2018-11-11 03:22 AM - Jürgen Fischer

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed

"duplicate" of #20146

Files

using_01_r_mapcalc.jpg	142 KB	2018-02-21	Olivier ATHIMON
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using_02_r_mapcalc.jpg	329 KB	2018-02-21	Olivier ATHIMON
using_03_r_mapcalc.jpg	492 KB	2018-02-21	Olivier ATHIMON
using_04_r_mapcalc.jpg	465 KB	2018-02-21	Olivier ATHIMON
using_05_r_mapcalc_grass_batch_job_cmd.jpg	92.5 KB	2018-02-21	Olivier ATHIMON
DEM.tif	2.42 MB	2018-02-21	Olivier ATHIMON
grass_batch_job.cmd	537 Bytes	2018-02-21	Olivier ATHIMON
Proposal_for_Grass7Algorithm.jpg	227 KB	2018-02-21	Olivier ATHIMON