

QGIS Application - Bug report #736

Some GRASS commands broken

2007-06-29 04:15 AM - Markus Neteler

Status: Closed	
Priority: Low	
Assignee: nobody -	
Category: GRASS	
Affected QGIS version:	Regression?: No
Operating System: Windows	Easy fix?: No
Pull Request or Patch supplied:	Resolution: invalid
Crashes QGIS or corrupts data:	Copied to github as #: 10795

Description

Hi,

some GRASS commands are broken:

```
r.median base=CEA_cat@CEA_dati cover=CEA_aspect@CEA_dati output=aspect_median
```

Illegal filename. Character <'> not allowed.
Illegal filename. Character <'> not allowed.
Raster map ['CEA_aspect@CEA_dati'] not found
Illegal filename. Character <'> not allowed.
r.stats: ['CEA_aspect@CEA_dati'] not found

Successfully finished

-> unclear why ' is present

```
r.mode base=delete cover=CEA_aspect output=del_aspetto
```

Illegal filename. Character <'> not allowed.
ERROR: r.stats: ['delete@CEA_dati'] not found
Illegal filename. Character <'> not allowed.
Illegal filename. Character <'> not allowed.
ERROR: Raster map ['delete@CEA_dati'] not found

Same thing here.

But r.average with the same syntax works perfectly.

```
g.manual index  
Starting browser  
<> for module index...
```

C:/Programmi/Quantum_GIS/grass/scripts/g.manual: ./: is a directory

this indicates that GRASS_HTML_BROWSER is undefined.

Regards,
Markus

History

#1 - 2007-07-01 02:35 AM - Markus Neteler

- Resolution set to invalid
- Status changed from Open to Closed

Update: Shame on GRASS :-)

Glynn Clements found it:

<http://grass.itc.it/pipermail/grass-dev/2007-July/032140.html>

"r.median invokes r.stats via system(), using a single quote:

```
strcpy (command, "r.stats -a ");
strcat (command, G_fully_qualified_name (basemap, base_mapset));
strcat (command, ",");
strcat (command, G_fully_qualified_name (covermap, cover_mapset));
strcat (command, "");
```

```
/* strcpy (command,"cat /tmp/t"); */
stats_fd = popen (command, "r");
```

```
sprintf (command, "r.reclass i='%s' o='%s'",
        G_fully_qualified_name (basemap, base_mapset), output);
```

system() uses the platform's shell: /bin/sh on Unix, cmd.exe on Windows NT/2K/XP, command.com on 95/98/ME. Single quotes won't work with the Windows shells.

r.average doesn't quote the map names, and uses double quotes around the output filename:

```
sprintf (command, "%s -anC input=%s,%s fs=space > \\\"%s\\\"",
        STATS, basemap->answer, covermap->answer, tempfile1);
```

Using double quotes should suffice so long as the map name doesn't contain \$ or @ (a double quote would also be problematic, but isn't legal in map names).

Ultimately, we need a Windows implementation of G_spawn_ex(), so that we can avoid the shell altogether.

"

#2 - 2007-07-15 05:41 AM - Markus Neteler

I have fixed r.mode, r.median, and r.statistics in GRASS 6.3-CVS to use double quotes which are supported by MS-Windows.

Once QGIS take a new GRASS version, the problem should be cured.

Markus

#3 - 2007-07-15 06:11 AM - Markus Neteler

Additionally fixed:

- r.digit
- r.report
- r.transect

It seems that all raster commands are ok now.