

QGIS Application - Bug report #1629
parameter name changed in v.buffer and r.surf.fractal from GRASS 6.3 to GRASS 6.4

2009-04-05 10:49 AM - Paolo Cavallini

Status:	Closed	
Priority:	Low	
Assignee:	Lorenzo Masini	
Category:	GRASS	
Affected QGIS version:		Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 11689
Description		
<p>In GRASS64, v.buffer is deprecated, and v.buffer2 should be used instead.</p> <p>Looks like the "buffer" parameter was removed in 6.4. v.buffer</p> <p>--interface-description doesn't report it anymore (thanks jef for pointing out).</p> <p>As a result, the command is not working:</p> <p>Cannot find key buffer</p>		

History

#1 - 2009-04-23 12:52 AM - Markus Neteler

I cannot reproduce this:

```
GRASS 6.4.0svn (spearfish60):~ > v.buffer --interface-description
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE task SYSTEM "grass-interface.dtd">
<task name="v.buffer">
  <description>
    Creates a buffer around features of given type (areas must contain centroid).
  </description>
  <keywords>
    vector, buffer
  </keywords>
```

The new code is obviously named "v.buffer" as before:

```
GRASS 6.4.0svn (spearfish60):~/grass64 > head vector/v.buffer2/Makefile
MODULE_TOPDIR = ../..

PGM = v.buffer
...
```

The GRASS 6 production line should maintain full compatibility even if a module is rewritten from scratch as in the case of v.buffer.

```
GRASS 6.4.0svn (spearfish60):~/grass64 > v.buffer help
```

```
Description:
Creates a buffer around features of given type (areas must contain centroid).
```

Keywords:

vector, buffer

Usage:

```
v.buffer [-sc] input=name output=name [type=string[,string,...]]  
[layer=value] [distance=value] [mindistance=value] [angle=value]  
[bufcolumn=name] [scale=value] [tolerance=value] [--overwrite]  
[--verbose] [--quiet]
```

Ha, I see the problem:

GRASS 6.3, http://grass.osgeo.org/grass63/manuals/html63_user/v.buffer.html:

buffer=float

Buffer distance in map units

GRASS 6.4, http://grass.osgeo.org/grass64/manuals/html64_user/v.buffer.html:

distance=float

Buffer distance along major axis in map units

This is bad and needs to be fixed in GRASS unless QGIS can update "buffer" to "distance" in the XML file.

Markus

#2 - 2009-04-23 01:03 AM - Paolo Cavallini

I would suggest to change it in GRASS. If this is not possible, please let us know, and we'll change the qgis module (but I do not like the idea of having two different modules, one for grass63 and one for grass64, even though they can be selected during compilation)

#3 - 2009-04-23 04:42 AM - Markus Neteler

- Status changed from Open to Closed

- Resolution set to fixed

Done. From grass-dev:

On Thu, Apr 23, 2009 at 1:36 PM, Hamish wrote:

*in devbr6 and relbr6_4 I have added backwards compatibility aliases for
the removed options. so all should be ok again.*

Hamish

Closing.

#4 - 2009-04-23 05:12 AM - hamish -

Markus:

| unless QGIS can update "buffer" to "distance" in the XML file.

Even though the old name now works again, the XML file should be updated for forward compatibility with GRASS 7, when the old name will be removed again. (currently both names for it work)

Hamish

#5 - 2009-04-23 05:13 AM - hamish -

| (but I do not like the idea of having two different modules,
| one for grass63 and one for grass64, even though they can be
| selected during compilation)

... ok, leave it as buffer= then.

H

#6 - 2009-04-23 05:26 AM - Paolo Cavallini

- Resolution deleted (fixed)
- Status changed from Closed to Feedback

I reopen the ticket, to remember changing the option when grass63 will be deprecated, and no longer widely available.

#7 - 2009-04-23 05:54 AM - Paolo Cavallini

Same thing happens for r.surf.fractal (option d=float has been changed in option dimension=float), so it does not work with grass64

#8 - 2009-04-23 06:14 AM - hamish -

Replying to [comment:8 pcav]:

| Same thing happens for r.surf.fractal (option d=float has been
| changed in option dimension=float), so it does not work with
| grass64

that one should not matter, the parser will accept shorter names.

See http://grass.osgeo.org/wiki/Module_command_line_parser

| I reopen the ticket, to remember changing the option when
| grass63 will be deprecated, and no longer widely available.

maybe better just to leave the XML file as it is and close the ticket. A stable GRASS 7 release may be a long time away.

Hamish

#9 - 2009-04-23 07:20 AM - hamish -

Replying to [comment:8 pcav]:

Same thing happens for r.surf.fractal (option d=float has been changed in option dimension=float), so it does not work with grass64

Hamish ha scritto:

no? what is the exact error message?

Paolo:

option d not recognized

Using grep I can not find any trace of that message in the latest qgis trunk/ SVN or GRASS's libgis. Has it been retranslated?

does QGIS's grass toolbox double-check the module options using the 'g.module --interface-description' or does it just try to run what the programmer/user threw at it and see what happens?

??

Hamish

#10 - 2009-04-24 12:53 AM - Paolo Cavallini

An useful comment by neteler:

I **feel** that it is a parsing problem in QGIS that might expect full names. If so it should not do so.

#11 - 2009-06-11 04:57 AM - Lorenzo Masini

- Status changed from Feedback to Closed

- Resolution set to fixed

Fixed in commit commit:59750316 (SVN r10904).

#12 - 2009-08-11 11:59 PM - Paolo Cavallini

- Resolution deleted (fixed)

- Status changed from Closed to Feedback

#13 - 2009-08-11 11:59 PM - Paolo Cavallini

- Status changed from Feedback to Open

#14 - 2009-08-12 12:00 AM - Paolo Cavallini

- *Status changed from Open to Closed*
- *Resolution set to fixed*