

QGIS Application - Bug report #1044

crash when creating new GRASS location on Windows

2008-04-16 09:56 AM - Redmine Admin

Status:	Closed	
Priority:	Low	
Assignee:	Tom Elwertowski	
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 #: 11104
Description		
QGIS (Windows version only) crashes if you are trying to create location with almost same name as exist (the only difference is character case). Steps to reproduce: 1. Create new GRASS location with name "bug" 2. Now try to create another GRASS location with name "Bug" 3. After last wizard step the QGIS crashes The problem is that Linux is case sensitive (bug and Bug are two different strings) but in Windows there is impossible to create two files named "bug" and "Bug".		

History

#1 - 2008-05-21 01:41 AM - Marco Pasetti -

I think that the only possible solution is to introduce a **name check** to prevent this error, telling that the location **Bug** already exists and reprompt for a new name.

Marco

#2 - 2008-07-16 06:47 AM - Maciej Sieczka -

Bug confirmed under WINE 1.0.0 configured to emulate Win XP, on amd64 Debian testing using Marco's "QGIS 0.11.0 for Windows pre-release testing installer".

Indeed it seems the culprit is Windows is not case-sensitive as GNU/Linux is.

#3 - 2008-07-18 01:56 AM - Marco Pasetti -

Replying to [comment:4 msieczka]:

Bug confirmed under WINE 1.0.0 configured to emulate Win XP, on amd64 Debian testing using Marco's "QGIS 0.11.0 for Windows pre-release testing installer".

Indeed it seems the culprit is Windows is not case-sensitive as GNU/Linux is.

Absolutely! Windows is NOT case sensitive. As I said two months ago, there would be a simple solution: introduce a **name check** function to prevent this error, checking if the location's name (that is the folder) already exists and, if yes, telling that the location **Bug** already exists and reprompt for a new name.

I don't know if that should be done in GRASS code; actually I think that we could do that in one of the `src\qgis-dev\src\plugins\grass\` cpp files

Jurgen?

#4 - 2008-09-09 08:15 AM - Tom Elwertowski

This also happens on a Mac.

There's already a duplicate name check in `qgsgrassnewmapset.cpp`. It needs to be made case insensitive for Mac and Win.

#5 - 2008-09-09 02:18 PM - Tom Elwertowski

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

Fixed by commit:47dbaf29 (SVN r9288).

#6 - 2008-09-10 08:52 AM - cgsbob -

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

Replying to [comment:7 telwertowski]:

| Fixed by commit:47dbaf29 (SVN r9288).

I think there is a problem with commit:47dbaf29 (SVN r9288). I'm running qt4.4 and I get this compile error:

```
Scanning dependencies of target grassplugin
[ 87%] Building CXX object src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassplugin.o
In file included from /home/bobm/src/gis/qgis_svn/src/plugins/grass/qgsgrassplugin.cpp:18:
/home/bobm/src/gis/qgis_svn/src/plugins/grass/qgsgrassplugin.h:99: error: &#8216;QPainter&#8217; has not been declared
/home/bobm/src/gis/qgis_svn/src/plugins/grass/qgsgrassplugin.cpp:523: error: prototype for &#8216;void
[[QgsGrassPlugin]]::postRender(QPainter*)&#8217; does not match any in class &#8216;QgsGrassPlugin&#8217;
/home/bobm/src/gis/qgis_svn/src/plugins/grass/qgsgrassplugin.h:99: error: candidate is: void [[QgsGrassPlugin]]::postRender(int*)
maker2: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassplugin.o] Error 1
maker1: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/all] Error 2
make: *** [all] Error 2
```

The complete compiler output can be found here: <http://rafb.net/p/SAY4QJ37.html>

#7 - 2008-09-10 10:19 AM - Maciej Sieczka -

And I get a foloowing error in commit:98c33097 (SVN r9291):

```
[ 91%] Generating ui_qgsprojectionselectorbase.h
/home/shoofi/src/straight/qgis-trunk/src/ui/qgsprojectionselectorbase.ui: An invalid icon property 'windowIcon' was encountered.
Scanning dependencies of target grassplugin
[ 92%] Building CXX object src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassplugin.o
In file included from /home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassplugin.cpp:18:
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassplugin.h:99: error: 'QPainter' has not been declared
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassplugin.cpp:523: error: prototype for 'void
[[QgsGrassPlugin]]::postRender(QPainter*)' does not match any in class 'QgsGrassPlugin'
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassplugin.h:99: error: candidate is: void [[QgsGrassPlugin]]::postRender(int*)
make2: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassplugin.o] Error 1
make1: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/all] Error 2
make: *** [all] Error 2
```

#8 - 2008-09-10 10:28 AM - Tom Elwertowski

- Status changed from Feedback to Open

These last two items were caused by commit:034dd533 (SVN r9289) which upgraded the plugin from Qt3 to Qt4. X11 needed a QPainter declaration that Mac did not. Fixed by commit:2624cdea (SVN r9292).

#9 - 2008-09-10 10:38 AM - Tom Elwertowski

- Resolution set to fixed

- Status changed from Open to Closed

#10 - 2008-09-10 11:12 AM - Maciej Sieczka -

- Status changed from Closed to Feedback

- Resolution deleted (fixed)

Yet another error, in commit:2624cdea (SVN r9292):

```
[ 92%] Building CXX object src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassmodel.o
[ 93%] Building CXX object src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassmapcalc.o
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp: In member function 'virtual void
[[QgsGrassMapcalc]]::mousePressEvent(QMouseEvent*)':
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:278: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:278: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:288: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:288: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp: In member function 'virtual QStringList
[[QgsGrassMapcalc]]::checkRegion()':
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:494: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:494: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp: In member function 'virtual bool
[[QgsGrassMapcalc]]::inputRegion(Cell_head*, bool)':
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:549: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:549: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp: In member function 'void [[QgsGrassMapcalc]]::growCanvas(int, int,
int, int)':
```

```
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:957: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:957: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:965: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:965: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp: In member function 'void [[QgsGrassMapcalc]]::save()':
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:1124: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:1124: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:1175: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:1175: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp: In member function 'bool
[[QgsGrassMapcalcConnector]]::tryConnectEnd(int)':
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:1990: error: must #include <typeinfo> before using typeid
/home/shoofi/src/straight/qgis-trunk/src/plugins/grass/qgsgrassmapcalc.cpp:1990: error: must #include <typeinfo> before using typeid
make2: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassmapcalc.o] Error 1
make1: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/all] Error 2
make: *** [all] Error 2
```

#11 - 2008-09-10 11:54 AM - Tom Elwertowski

- Status changed from Feedback to Open

Add the line

```
#include <typeinfo>
```

after #include <math.h> and try compiling again. I will wait for any other issues before updating svn.

What OS are you using? I will also add a comment that this file is needed for a particular OS so it doesn't get removed again.

#12 - 2008-09-10 11:20 PM - Tom Elwertowski

- Status changed from Open to Closed

- Resolution set to fixed

The last issue is fixed by gcc 4.3 compatibility changes in commit:d0496982 (SVN r9293).

#13 - 2008-09-10 11:47 PM - Maciej Sieczka -

Buids fine now. I'm on Debian testing amd64, gcc 4.3.1.

#14 - 2009-08-22 12:57 AM - Anonymous

Milestone Version 1.0.0 deleted