

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	
<p>QGIS (Windows version only) crashes if you are trying to create location with almost same name as exist (the only difference is character case).</p> <p>Steps to reproduce:</p> <ol style="list-style-type: none">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 <p>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".</p>	

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: QPainter; has not been declared
/home/bobm/src/gis/qgis_svn/src/plugins/grass/qgsgrassplugin.cpp:523: error: prototype for QPainter;void
[[QgsGrassPlugin]]::postRender(QPainter*); does not match any in class QgsGrassPlugin;
/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 following 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*)
make: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassplugin.o] Error 1
make: *** [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
maker2: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/qgsgrassmapcalc.o] Error 1
maker1: *** [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