

## QGIS Application - Bug report #712

### GRASS plugin compile error: GRASS\_VERSION\_MAJOR etc. no longer strings

2007-05-01 02:02 PM - Markus Neteler

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>	nobody -	
<b>Category:</b>	Build/Install	
<b>Affected QGIS version:</b>		<b>Regression?:</b> No
<b>Operating System:</b>	All	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 10771
<b>Description</b>		
<p>Currently QGIS no longer compiles with GRASS 6.3.CVS since the include/version.h was modified to:</p> <pre>bartok:grass63[296.2] cat include/version.h #define GRASS_VERSION_STRING  "@(#) 6.3.cvs (2007)" #define GRASS_VERSION_MAJOR  6 #define GRASS_VERSION_MINOR  3 #define GRASS_VERSION_RELEASE cvs</pre> <p>Here the change from Glynn:</p> <p><a href="http://freegis.org/cgi-bin/viewcvs.cgi/grass6/include/version.h.in.diff?r1=1.4&amp;r2=1.5">http://freegis.org/cgi-bin/viewcvs.cgi/grass6/include/version.h.in.diff?r1=1.4&amp;r2=1.5</a></p> <p>And a comment from Glynn:</p> <p><a href="http://grass.itc.it/pipermail/grass-dev/2007-April/030658.html">http://grass.itc.it/pipermail/grass-dev/2007-April/030658.html</a></p> <p>I'm afraid that this needs to be conditionalized. The QGIS code is in src/providers/grass/qgisgrass.cpp, lines 988 and following.</p> <p>Compare the related GDAL-GRASS plugin changes at</p> <p><a href="http://trac.osgeo.org/gdal/ticket/1587">http://trac.osgeo.org/gdal/ticket/1587</a></p> <p>Sorry for the mess, Markus</p>		

## History

#1 - 2007-05-01 02:03 PM - Markus Neteler

Forgot the compile error message:

```
[ 69%] Building CXX object src/providers/grass/CMakeFiles/qgisgrass.dir/qgisgrass.o
/home/neteler/soft/qgis_unstable/src/providers/grass/qgisgrass.cpp: In static member function ?static int [[QgsGrass]]::versionRelease():
/home/neteler/soft/qgis_unstable/src/providers/grass/qgisgrass.cpp:998: error: ?cvs? was not declared in this scope
```

```
maker2: *** [src/providers/grass/CMakeFiles/qgisgrass.dir/qgisgrass.o] Error 1
maker1: *** [src/providers/grass/CMakeFiles/qgisgrass.dir/all] Error 2
make: *** [all] Error 2
```

Markus

**#2 - 2007-05-01 02:10 PM - Martin Dobias**

I've already done a patch (attached) for it but haven't tested with CVS. Please could you test whether it's working for you? If it's OK, I'll commit it.

Martin

**#3 - 2007-05-01 02:24 PM - Markus Neteler**

Hi Martin,

great, looks better. Now it complains at

```
[ 90%] Building CXX object src/plugins/grass/CMakeFiles/grassplugin.dir/qgisgrassnewmapset.o
/home/neteler/soft/qgis_unstable/src/plugins/grass/qgisgrassnewmapset.cpp:69: error: 'cvs' was not declared in this scope
maker2: *** [src/plugins/grass/CMakeFiles/grassplugin.dir/qgisgrassnewmapset.o] Error 1
```

The first patch you may already submit...

Markus

**#4 - 2007-05-01 02:36 PM - Martin Dobias**

Ok, I've committed this in commit:c17fe795 (SVN r6924), the second error should be fixed with

**#5 - 2007-05-02 02:15 AM - Markus Neteler**

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

Excellent. QGIS now compiles again and the GRASS support is functional (of course one needs to use the updated GRASS-GDAL-OGR plugin, too).

Thanks again,  
Markus

**#6 - 2007-05-02 12:01 PM - Markus Neteler**

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

Would you mind to back port the fix to QGIS 0.8.1 to-be-relased "stable" branch? There will be many users to use this along with GRASS 6.3.

Thanks in advance,  
Markus

**#7 - 2007-05-03 06:26 AM - Martin Dobias**

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

Okay, I've ported it to 0.8 branch in .

**#8 - 2007-05-05 01:24 PM - Stefano Costa -**

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

Using commit:300ab29e (SVN r6931) I'm still getting the error. I'm using GRASS 6.3.cvs

```
qgsgrass.cpp: In static member function 'static void [[QgsGrass]]::init()':
qgsgrass.cpp:49: error: invalid conversion from 'int (*)(char*, int)' to 'int (*)(const char*, int)'
qgsgrass.cpp:49: error:   initializing argument 1 of 'int G_set_error_routine(int (*)(const char*, int))'
maker4: *** [libqgisgrass_la-qgsgrass.lo] Error 1
maker4: Leaving directory @/home/steko/src/qgis_08/src/providers/grass'
maker3: *** [all-recursive] Error 1
maker3: Leaving directory @/home/steko/src/qgis_08/src/providers'
maker2: *** [all-recursive] Error 1
maker2: Leaving directory @/home/steko/src/qgis_08/src'
maker1: *** [all-recursive] Error 1
maker1: Leaving directory @/home/steko/src/qgis_08'
make: *** [all] Error 2
```

**#9 - 2007-05-05 07:50 PM - Martin Dobias**

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

In fact your problem is related to another GRASS API breakage. In should be fine also for 0.8 release branch.

I'm wondering how many incompatible changes in GRASS will come next :-(

**Files**

grass.diff	978 Bytes	2007-05-01	Martin Dobias
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