QGIS Application - Bug report #2880
makefiles not parallel building proof

2010-07-11 03:08 AM - papillon81 -

Status:	Closed		
Priority:	Low		
Assignee:			
Category:	Build/Install		
Affected QGIS version:		**Regression?:**	No
Operating System:	All	**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:		**Copied to github as #:**	12940

Description

In times of multi-core machines it is not too uncommon to compile projects like QGIS with "make -j9" or even higher. This does not work, however, as the compile process bails out. Not a big thing, lowering it to -j6 makes it work, but the error shows a build dependency problem in the makefiles that should be fixed.

Here is a part of the log:

```
make -j9
Scanning dependencies of target qgis.d.rast
Scanning dependencies of target compile_python_files
Scanning dependencies of target svnversion
Scanning dependencies of target qgis.g.info
Scanning dependencies of target ui
Scanning dependencies of target qgis.g.browser
Scanning dependencies of target pluginstaller

[  0%] [  0%] [  0%] [  0%] [  0%] [  0%] [  0%] Building C object src/providers/grass/CMakeFiles/qgis.g.info.dir/qgis.g.info.c.o

Building C object src/providers/grass/CMakeFiles/qgis.d.rast.dir/qgis.d.rast.c.o
Built target svnversion
Generating ui_qgspluginstallerbase.py
Generating ui_qgssinglesymboldialogbase.h
Generating ui_qgssymbolv2propertiesdialogbase.h
Generating ui_qgsformannotationdialogbase.h
Scanning dependencies of target mapserverexport
[  0%]
[  0%] [  0%] [  0%] Generating ui_qgspluginstallerfetchingbase.py
Generating ui_qgspluginstallerinstallingbase.py
Generating ui_qgsprojectpropertiesbase.h
Generating ui_qgsmapserverexportbase.py
[  0%] Building CXX object src/plugins/grass/CMakeFiles/qgis.g.browser.dir/qgis.g.browser.cpp.o
[  0%] Generating ui_qgscontinuouscolordialogbase.h

[  0%] Linking C executable qgis.g.info
Generating ui_qgisappbase.h
Linking C executable qgis.d.rast
[  0%] Generating ui_qgscomposerbase.h
[  0%] [  0%] Built target compile_python_files
Generating ui_qgspgnewconnectionbase.h
[  0%] [  0%] Warning: name gridLayout is already used
```

```
Generating ui_qgsitempositiondialogbase.h
[  0%] Generating resources_rc.py
Generating ui_qgsrulebasedrendererv2widget.h
[  0%] [  0%] [  0%] Built target qgis.d.rast
Built target mapserverexport
Generating ui_qgsludialogbase.h
[  0%] Generating ui_qgspluginstallerpluginerrorbase.py
[  0%] Scanning dependencies of target ftools
[  0%] Scanning dependencies of target gdaltools
[  0%] Generating ui_qgscomposeritemwidgetbase.h
Generating ui_qgspluginstallerrepositorybase.py
[  0%] Generating ui_qgscomposervectorlegendbase.h
Generating ui_qgsuniquevaluedialogbase.h
[  0%] [  0%] [  0%] Generating resources_rc.py
Generating ui_frmAbout.py
Generating ui_qgspluginmanagerbase.h
[  0%] [  0%] [  0%] Generating resources_rc.py
Generating ui_qgsattributeactiondialogbase.h
Built target gdaltools
[  0%] [  0%] Built target qgis.g.info
Scanning dependencies of target osmplugin
Generating ui_qgspgsourceselectbase.h
[  0%] [  0%] Generating ui_qgsbookmarksbase.h
Scanning dependencies of target ftools_tools
Generating ui_OsmFeatureDW.py
[  0%] maker2: *** No rule to make target @python/plugins/fTools/ui_frmAbout.py', needed by
@python/plugins/fTools/tools/CMakeFiles/ftools_tools'.  Stop.
maker1: *** [python/plugins/fTools/tools/CMakeFiles/ftools_tools.dir/all] Error 2
maker1: *** Waiting for unfinished jobs....
```

History

#1 - 2010-10-10 09:52 PM - sharpie -

The 1.5.0 source won't build with anything above -j1 for me. Makes development work a bit tedious as it takes a good 5 minutes to compile or recompile.

#2 - 2011-03-07 09:09 AM - Anne Ghisla

I regularly compile with make -j4 on my dual core, since a long time, both on Debian and Fedora. Does this bug affect Gentoo only?

#3 - 2011-03-07 11:57 AM - Volker Fröhlich

No, not specific to Gentoo. I've seen it happen with -j 16.

#4 - 2011-07-02 03:20 AM - Volker Fröhlich

- Assignee deleted (nobody -)

The problem seems gone with version 1.7. I took multiple runs with up to 30 workers.

Can somebody confirm that?

#5 - 2011-10-16 03:29 PM - Volker Fröhlich

- Pull Request or Patch supplied set to No

- Status changed from Open to Closed

As I mentioned before, I haven't seen that happen for quite some time with a high number of workers. Please re-open if I'm wrong.