

QGIS Application - Bug report #8575

undefined references building master

2013-09-05 05:05 AM - Sandro Santilli

Status:	Closed	
Priority:	Normal	
Assignee:	Radim Blazek	
Category:	Build/Install	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 17318
Description		
CMakeFiles/qgis_app.dir/main.cpp.o: In function `dumpBacktrace': /usr/src/qgis/qgis/src/app/main.cpp:229: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' /usr/src/qgis/qgis/src/app/main.cpp:244: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' /usr/src/qgis/qgis/src/app/main.cpp:258: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' CMakeFiles/qgis_app.dir/main.cpp.o: In function `myMessageOutput(QtMsgType, char const*)': /usr/src/qgis/qgis/src/app/main.cpp:366: undefined reference to `QgsMessageLog::logMessage(QString, QString, QgsMessageLog::MessageLevel)' /usr/src/qgis/qgis/src/app/main.cpp:374: undefined reference to `QgsMessageLog::logMessage(QString, QString, QgsMessageLog::MessageLevel)' CMakeFiles/qgis_app.dir/main.cpp.o: In function `main': /usr/src/qgis/qgis/src/app/main.cpp:393: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' /usr/src/qgis/qgis/src/app/main.cpp:403: undefined reference to `qInstallMsgHandler(void (*)(QtMsgType, char const*))' /usr/src/qgis/qgis/src/app/main.cpp:581: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' /usr/src/qgis/qgis/src/app/main.cpp:599: undefined reference to `QFileInfo::QFileInfo(QString const&)' /usr/src/qgis/qgis/src/app/main.cpp:599: undefined reference to `QFileInfo::absoluteFilePath() const' /usr/src/qgis/qgis/src/app/main.cpp:599: undefined reference to `QDir::convertSeparators(QString const&)' /usr/src/qgis/qgis/src/app/main.cpp:599: undefined reference to `QString::operator=(QString const&)' /usr/src/qgis/qgis/src/app/main.cpp:599: undefined reference to `QFileInfo::~~QFileInfo()' /usr/src/qgis/qgis/src/app/main.cpp:603: undefined reference to `QString::toInt(bool*, int) const' /usr/src/qgis/qgis/src/app/main.cpp:607: undefined reference to `QString::toInt(bool*, int) const' /usr/src/qgis/qgis/src/app/main.cpp:619: undefined reference to `QFileInfo::QFileInfo(QString const&)' /usr/src/qgis/qgis/src/app/main.cpp:619: undefined reference to `QFileInfo::absoluteFilePath() const' /usr/src/qgis/qgis/src/app/main.cpp:619: undefined reference to `QDir::convertSeparators(QString const&)' /usr/src/qgis/qgis/src/app/main.cpp:619: undefined reference to `QString::operator=(QString const&)' /usr/src/qgis/qgis/src/app/main.cpp:619: undefined reference to `QFileInfo::~~QFileInfo()'  /usr/src/qgis/qgis/src/app/main.cpp:656: undefined reference to `QString::arg(QString const&, int, QChar const&) const' /usr/src/qgis/qgis/src/app/main.cpp:656: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' /usr/src/qgis/qgis/src/app/main.cpp:663: undefined reference to `QgsLogger::debug(QString const&, int, char const*, char const*, int)' /usr/src/qgis/qgis/src/app/main.cpp:670: undefined reference to `QString::arg(QString const&, int, QChar const&) const' and many more.		

This is after git pull && make

History

#1 - 2013-09-05 05:10 AM - Marco Hugentobler

- Assignee set to Radim Blazek

#2 - 2013-09-05 05:17 AM - Radim Blazek

For me it compiles, Jenkins also says last successful 135ef365693f <http://jenkins.linfinity.com/job/QGIS/lastSuccessfulBuild/>
i.e. after my commits.

I have not touched src/app/main.cpp, so I have no idea, for now.

#3 - 2013-09-05 05:25 AM - Matthias Kuhn

I suspect it's related to the new shared lib.

At least reverting commit:250df51994ab7c938d5f2a27f2be843b89d97803 makes it link again here

#4 - 2013-09-05 05:32 AM - Radim Blazek

I have added shared lib for classes used in main app, so that they can be used in tests. At this moment however, the main app is not using that lib and builds as before.

#5 - 2013-09-05 05:33 AM - Radim Blazek

I know probably, src/app/main.cpp must be excluded from that lib.

#6 - 2013-09-05 05:40 AM - Jürgen Fischer

Radim Blazek wrote:

| *I know probably, src/app/main.cpp must be excluded from that lib.*

commit:2c2d675 fixes it, by making it a static library, excluding main() and disabling the call to qgisCrashDump() in QGisApp. Creating a DLL from app probably needs a lot more work as each exported symbol need to be marked (just like in core, gui and analysis...).

#7 - 2013-09-05 05:58 AM - Radim Blazek

Thanks Jef and sorry for problems.

Should I move qgisCrashDump() from main.cpp to static QGisApp::qgisCrashDump()?

#8 - 2013-09-05 06:38 AM - Sandro Santilli

Still not completely fixed as of commit:2c2d6757 I still get:

```
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `messageOutputViewer_':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:347: undefined reference to `QgsMessageViewer::QgsMessageViewer(QWidget*,
QFlags<Qt::WindowType>, bool)'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp::validateSrs(QgsCoordinateReferenceSystem&)':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:379: undefined reference to `QgsGenericProjectionSelector::QgsGenericProjectionSelector(QWidget*,
QFlags<Qt::WindowType>)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:380: undefined reference to `QgsGenericProjectionSelector::setMessage(QString)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:382: undefined reference to `QgsMapCanvas::mapRenderer()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:387: undefined reference to `QgsGenericProjectionSelector::setSelectedCrsId(long)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:396: undefined reference to `QgsGenericProjectionSelector::selectedCrsId()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:397: undefined reference to `QgsGenericProjectionSelector::selectedAuthId()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:398: undefined reference to `QgsGenericProjectionSelector::selectedAuthId()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:409: undefined reference to `QgsMapCanvas::mapRenderer()'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:489: undefined reference to `QgsMapCanvas::QgsMapCanvas(QWidget*, char const*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:502: undefined reference to `QgsMessageBar::QgsMessageBar(QWidget*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:524: undefined reference to `QgsMapCanvas::freeze(bool)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:566: undefined reference to `QgsMessageLogViewer::QgsMessageLogViewer(QStatusBar*, QWidget*,
QFlags<Qt::WindowType>)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:605: undefined reference to `QgsCredentialDialog::QgsCredentialDialog(QWidget*,
QFlags<Qt::WindowType>)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:699: undefined reference to `QgsMapCanvas::freeze(bool)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:700: undefined reference to `QgsMapCanvas::clearExtentHistory()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:703: undefined reference to `QgsMapCanvas::mapRenderer()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:754: undefined reference to `QgsMapCanvas::QgsMapCanvas(QWidget*, char const*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:755: undefined reference to `QgsMapCanvas::freeze(bool)'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp::dropEvent(QDropEvent)':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:837: undefined reference to `QgsMapCanvas::freeze(bool)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:867: undefined reference to `QgsMapCanvas::freeze(bool)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:868: undefined reference to `QgsMapCanvas::refresh()'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp::showStyleManagerV2()':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1159: undefined reference to `QgsStyleV2ManagerDialog::QgsStyleV2ManagerDialog(QgsStyleV2*,
QWidget*)'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp::createStatusBar()':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1595: undefined reference to `QgsScaleComboBox::QgsScaleComboBox(QWidget*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1639: undefined reference to `QgsMapCanvas::mapRenderer()'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp::setupConnections()':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1878: undefined reference to `QgsMapCanvas::mapRenderer()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1880: undefined reference to `QgsMapCanvas::mapRenderer()'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1882: undefined reference to `QgsMapCanvas::mapRenderer()'
.././src/app/libqgis_app.a(qgisapp.cpp.o): In function `QgisApp::createCanvasTools()':
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1943: undefined reference to `QgsMapToolZoom::QgsMapToolZoom(QgsMapCanvas*, bool)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1944: undefined reference to `QgsMapTool::setAction(QAction*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1945: undefined reference to `QgsMapToolZoom::QgsMapToolZoom(QgsMapCanvas*, bool)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1946: undefined reference to `QgsMapTool::setAction(QAction*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1947: undefined reference to `QgsMapToolPan::QgsMapToolPan(QgsMapCanvas*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1948: undefined reference to `QgsMapTool::setAction(QAction*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1954: undefined reference to `QgsMapTool::setAction(QAction*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1958: undefined reference to `QgsMapTool::setAction(QAction*)'
/usr/src/qgis/qgis/src/app/qgisapp.cpp:1960: undefined reference to `QgsMapTool::setAction(QAction*)'
```

/usr/src/qgis/qgis/src/app/qgisapp.cpp:1962: undefined reference to `QgsMapTool::setAction(QAction*)'
../././src/app/libqgis_app.a(qgisapp.cpp.o):/usr/src/qgis/qgis/src/app/qgisapp.cpp:1964: more undefined references to
`QgsMapTool::setAction(QAction*)' follow

and more later..

#9 - 2013-09-05 07:00 AM - Radim Blazek

Try with commit:0b1895463

#10 - 2013-09-05 08:13 AM - Sandro Santilli

- % Done changed from 0 to 100
- Resolution set to fixed

Yep, that fixed it. Thanks

#11 - 2013-09-05 08:14 AM - Giovanni Manghi

- Status changed from Open to Closed

#12 - 2013-09-05 08:53 AM - Radim Blazek

- Status changed from Closed to Reopened

Not yet completely fixed, call to qgisCrashDump() from QgisApp is still disabled.

#13 - 2013-11-02 05:13 AM - Radim Blazek

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

Full fix by Jef in commit:0a1d44fc