

QGIS Application - Bug report #2294  
help dialogs don't work on osx

2009-12-18 09:12 AM - epifanio -

|   |                        |                                     |
|---|------------------------|-------------------------------------|
| <b>Status:</b>  | Closed                 |                                     |
| <b>Priority:</b>  | Low                    |                                     |
| <b>Assignee:</b>  | Otto Dassau            |                                     |
| <b>Category:</b>  | Documentation and Help |                                     |
| <b>Affected QGIS version:</b>   |                        | <b>Regression?:</b> No              |
| <b>Operating System:</b>  | OS X                   | <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> 12354 |
| <b>Description</b>  |                        |                                     |
| <p>i simply tried to load a shape file, using the identify tool and click on the "help button" inside the dialogue</p> <p>it generate a qgis_help crash</p> <p>see attached log, some libraries are not loaded.</p> |                        |                                     |

Associated revisions

Revision 7ee80252 - 2009-12-27 04:59 AM - Jürgen Fischer

fix #2294

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@12622> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 9c005844 - 2009-12-27 04:59 AM - Jürgen Fischer

fix #2294

git-svn-id: <http://svn.osgeo.org/qgis/trunk@12622> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 8de4ba12 - 2010-01-13 05:45 PM - William Kyngesburye

restore previous bundle build of helpviewer (r12622), add 2nd install step to correct install\_name (fix #2294)

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@12753> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision dd7fb487 - 2010-01-13 05:45 PM - William Kyngesburye

restore previous bundle build of helpviewer (r12622), add 2nd install step to correct install\_name (fix #2294)

git-svn-id: <http://svn.osgeo.org/qgis/trunk@12753> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2009-12-18 09:43 AM - William Kyngesburye

known issue, sortof. The qgis libraries link with the @executable\_path relative path, which inside the qgis\_help 'app' have the wrong relative path. I

thought it was fixed in the cmake build. It certainly is not problem in the xcode build.

One way to fix it is to make a symlink in the qgis\_help contents/macos to the qgis lib folder.

```
ln -s ../../../../lib/path/to/qgis_help/Contents/MacOS/
```

Better is to change the install\_name in the qgis\_help binary. I don't know how to do this in the cmake build. Manually, after install, would be:

```
install_name_tool -change @executable_path/lib/libqgis_core.1.4.0.dylib \  
@executable_path/../../../../lib/libqgis_core.1.4.0.dylib \  
/path/to/qgis_help/Contents/MacOS/qgis_help
```

Or, I personally recommend the Xcode build.

## #2 - 2009-12-19 09:29 AM - Paolo Cavallini

Still true for current trunk?

## #3 - 2009-12-19 10:01 AM - William Kyngesburye

I think this used to work - that qgis\_help was built with the correct relative path for the qgis\_core library. I see commit:87ddaaad (SVN r11997) that might have changed the linking. I don't use the cmake build, so I'd have to dust off cmake and try a couple builds to see.

Or, maybe it's this typo from commit:5795c35c (SVN r12455):

```
${QT_QTCORE_LIBRA}
```

## #4 - 2009-12-20 10:18 AM - Jürgen Fischer

Replying to [comment:3 kyngchaos]:

| *Or, maybe it's this typo from commit:5795c35c (SVN r12455):*

that one is fixed in commit:2fe98b89 (SVN r12537). Not sure if it helps with OSX.

## #5 - 2009-12-21 07:50 PM - John Tull

Looking over William's comments on the thread, I ran the following command and got the help system working for my setup. Perhaps someone else can figure out how to get this into the cmake build system so it will be done automagically:

```
install_name_tool -change @executable_path/lib/libqgis_core.1.4.0.dylib @executable_path/../../../../lib/libqgis_core.1.4.0.dylib \  
/Applications/qgis1.4.0.app/Contents/MacOS/bin/qgis_help.app/Contents/MacOS/qgis_help
```

## #6 - 2009-12-26 08:00 PM - Jürgen Fischer

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

should be fixed in

#### #7 - 2009-12-27 09:07 AM - William Kyngesburye

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

OK, it mostly works. I was worried about the removing of Mac-specific code is the fix. It does build with a working library path now, but now there are 2 other problems, which I think were the reason for the original Mac code:

- The help program doesn't open in the foreground.
- It has the same application icon as Qgis, in the Dock, which is confusing.

Both of these I think may be because qgis\_help binary is at the same folder level as the Qgis application binary. So it thinks it's Qgis and picks up the icon from the application package, and it may be confusing the window order.

#### #8 - 2009-12-27 10:41 AM - John Tull

Also, the icon is low-resolution again in the dock and application switcher. Not sure if this is related or not, but guessing it is.

Is there a property item that makes an application icon not appear in the dock? If the help application does not have an icon it would be ok. Alternatively, it should have a unique icon. How is this handled on other systems?

#### #9 - 2009-12-27 11:03 AM - William Kyngesburye

Massimo is using Qt 4.6 Cocoa, and at least the help app appears in front for him, so that may be either a Qt version thing or Cocoa vs Carbon (I'm using 4.5 Carbon).

Replying to [comment:8 jctull]:

| *Also, the icon is low-resolution again in the dock and application switcher. Not sure if this is related or not, but guessing it is.*

Just qgis\_help, or both? Didn't happen for me (xcode build), and Massimo sent me a screenshot and qgis\_help has a hires icon. Try a clean configure and make?

| *Is there a property item that makes an application icon not appear in the dock? If the help application does not have an icon it would be ok.  
Alternatively, it should have a unique icon. How is this handled on other systems?*

I pondered the possibility of a help icon or not showing it in the Dock.

It looks like other systems just use whatever the system does, ie no special handling like was done with the original help app here. On Windows, I assume it would show up as a generic command prompt app or generic app in the start bar. On Linux, probably just nothing but the window, unless the window system does something with CLI programs.

Not showing it in the Dock requires an application package, like the original build, so the info.plist can have a certain key set.

An icon on OSX would also require the original app build for qgis\_help, so the plist can define a separate icon for it.

So, both ideas require an app package build.

**#10 - 2010-01-12 08:01 PM - William Kyngesburye**

- *It has the same application icon as Qgis, in the Dock, which is confusing.*

Note that also the *name* is "Qgis", same as the Qgis application, even more confusing.

So, I wonder, why was the context help window done as a separate application, instead of a window in Qgis? Can it be done as a window?

If not, I'm going to have to revert , I think the confusion of the hidden and misnamed application is worse than not working. The application method does work in the Xcode project build, but it requires the Qgis source to reference the correct path to qgis\_help (so it's one or the other).

Maybe I can wrap my brain around the cmake stuff to get it to do a post-install install\_name\_tool, but don't count on it... I'll also try reverting that commit:87ddaaad (SVN r11997) I found to see if that was it.

**#11 - 2010-01-13 08:53 AM - William Kyngesburye**

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

I'm such a lazy whiner ;)

Restored pre-. Figured out CMake enough to add a 2nd install step to fix the install\_name, commit:dd7fb487 (SVN r12754).

**#12 - 2010-01-13 11:32 AM - William Kyngesburye**

P.S. It still opens behind Qgis for me, so that looks like a different problem.

**Files**

|               |         |            |            |
|---------------|---------|------------|------------|
| qgis_help.txt | 1.49 KB | 2009-12-18 | epifanio - |
|---------------|---------|------------|------------|