QGIS Application - Bug report #5620
libqgis_core in the build directory is not used when running crssync during build

2012-05-19 07:55 PM - Alister Hood

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Build/Install			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:	linux	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	worksforme	
Crashes QGIS or corrupts data:		**Copied to github as #:**	15190	

Description

Building on Arch Linux fails like this:

    Scanning dependencies of target synccrsdb
    ../../output/bin/crssync: error while loading shared libraries: libqgis_core.so.1.8.0: cannot open shared object file: No such file or
    directory
    make[2]: *** [src/crssync/CMakeFiles/synccrsdb] Error 127
    make[1]: *** [src/crssync/CMakeFiles/synccrsdb.dir/all] Error 2
    make: *** [all] Error 2

It looks like it is not looking for libs in the build directory, because if I copy libqgis_core.so.1.8.0 to /usr/lib, then try building again, it is
successful.

History

#1 - 2012-05-23 05:56 AM - Radim Blazek

I have the same problem. It fails during the first installation. Developers do not notice that, because they have already the libs installed. I have used export
LD_LIBRARY_PATH=`pwd`/src/core/:$LD_LIBRARY_PATH in build dir to get over, but that is not a solution.

#2 - 2012-06-04 12:03 AM - Radim Blazek

May be it only happens with CMAKE_SKIP_RPATH ON.

#3 - 2012-06-04 04:20 AM - Radim Blazek

I am not able to reproduce the problem anymore.

#4 - 2012-06-15 07:58 AM - Leyan Ouyang

I confirm the same problem, also on ArchLinux, now with libqgis_core.so.1.9.0, but all the rest is similar.

It is due to the line 15 in src/crssync/CMakeLists.txt :
ADD_CUSTOM_TARGET(synccrsdb COMMAND crssync)

cmake then tries to execute crssync but doesn't find libqgis_core. The LD_LIBRARY_PATH should be changed to include

${QGIS_OUTPUT_DIRECTORY}/lib but I do not know the preferred way to do this in Cmake.

#5 - 2012-07-11 12:15 AM - Jürgen Fischer

Leyan Ouyang wrote:

> *I confirm the same problem, also on ArchLinux, now with libqgis_core.so.1.9.0, but all the rest is similar.*

Is QGIS on ArchLinux built with other cmake rpath settings?

#6 - 2012-07-11 12:52 AM - Alister Hood

In both https://aur.archlinux.org/packages/qg/qgis-git/PKGBUILD and https://aur.archlinux.org/packages/qg/qgis/PKGBUILD there is this:

    -DCMAKE_SKIP_RPATH=ON \\

Is that what you mean?

#7 - 2012-07-11 01:07 AM - Jürgen Fischer

- Resolution set to worksforme

- Status changed from Open to Closed

Alister Hood wrote:

> *In both https://aur.archlinux.org/packages/qg/qgis-git/PKGBUILD and https://aur.archlinux.org/packages/qg/qgis/PKGBUILD there is this:*
>
>   *-DCMAKE_SKIP_RPATH=ON *
>
> *Is that what you mean?*

Yes, that's causing the problem.