QGIS Application - Bug report #5859
./qgis: error while loading shared libraries: libqgis_core.so.1.9.0

2012-06-25 02:50 AM - pvanbosgeo -

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:**		
Crashes QGIS or corrupts data:	Yes	**Copied to github as #:**	15324	

Description

I have compiled QGIS from source (master, version b6bf12a..90b02ec). Yet, I cannot open QGIS, I am getting the error message: ./qgis: error while loading shared libraries: libqgis_core.so.1.9.0: cannot open shared object file: No such file or directory. The libqgis_core.so.1.9.0 is however in the lib directory /usr/local/qgis1-9/lib.

History

#1 - 2012-06-25 02:58 AM - Tim Sutton

Try

    export LD_LIBRARY_PATH=/usr/local/qgis1-9/lib
    /usr/local/qgis1-9/bin/qgis

You can make a small bash script to launch it with the above commands it that works for you.

#2 - 2012-06-26 06:19 AM - pvanbosgeo -

Good temporary solution, thanks

#3 - 2012-06-26 07:23 AM - Tim Sutton

- Status changed from Open to Closed

#4 - 2012-07-02 05:34 AM - pvanbosgeo -

Although the provided solution works, it is a temporary solution i.m.h.o. Also note that in earlier version (both 1.8 and 1.9.90) I do not have the same problems after compiling / installing.

I wouldn't therefore consider this bug closed?

#5 - 2012-07-02 05:51 AM - pvanbosgeo -

Writing a config file with the path to /usr/local/qgis1-9/lib in /etc/ld.so.conf.d also works:

cd
echo "/usr/local/qgis1-9/lib" > qgis1-9.conf

```
sudo mv qgis1-9.conf /etc/ld.so.conf.d
cd /etc/ld.so.conf.d
sudo ldconfig
```

I am still wondering why there was not need to do this before, with other versions. Is this specific to my system?

#6 - 2012-07-02 06:04 AM - Jaka Kranjc

It's not. The install strips the runtime path (rpath) from the binary, so it expects the library to be in the standard search paths.

#7 - 2012-10-07 01:18 AM - Vaclav Petras

As stated above LD_LIBRARY_PATH fixes the problem. But since this is not considered as a bug, the solution should be stated somewhere in compile instructions (http://www.qgis.org/api/INSTALL.html and [[Building_QGIS_with_CMake]]). Some other solution is mentioned in [[Building_QGIS_from_Source]] but this not the solution which most developers want, I think.

The connection to CMAKE_SKIP_RPATH (e.g. #5620) is not clear to me but probably it should be explained.

And now just repeating the solution:

```
MY_QGIS_PATH=/usr/local/qgis1-9
export LD_LIBRARY_PATH=$MY_QGIS_PATH/lib/
$MY_QGIS_PATH/bin/qgis
```


#8 - 2012-10-07 01:55 AM - Giovanni Manghi

Vaclav Petras wrote:

> *As stated above LD_LIBRARY_PATH fixes the problem. But since this is not considered as a bug, the solution should be stated somewhere in compile instructions (http://www.qgis.org/api/INSTALL.html and [[Building_QGIS_with_CMake]]). Some other solution is mentioned in [[Building_QGIS_from_Source]] but this not the solution which most developers want, I think.*
>
> *The connection to CMAKE_SKIP_RPATH (e.g. #5620) is not clear to me but probably it should be explained.*
>
> *And now just repeating the solution:*
> *[...]*

maybe it would be worth propose a patch for the documentation?

#9 - 2012-12-18 06:07 AM - zirneklitis -

Too early to be closed.

I have just compiled fresh *QGIS master* version (1.9.0-Master / 2c59866) on my *Fedora 14x64*. The LD_LIBRARY_PATH **bug** is still there. I have put a shell script inside the /etc/profile.d/ with the following line: "LD_LIBRARY_PATH=/usr/local/lib". All the programs (except the new *QGIS*) accept this configuration.

```

Now the funny part:

```
$ qgis
qgis: error while loading shared libraries: libqgis_core.so.1.9.0: cannot open shared object file: No such file or directory
$ echo $LD_LIBRARY_PATH
/usr/local/lib
$ export LD_LIBRARY_PATH=$LD_LIBRARY_PATH
$ qgis
```

Now it works!

Any explanations?


**#10 - 2012-12-18 06:15 AM - Jürgen Fischer**

zirneklitis - wrote:

> *Any explanations?*

you didn't export LD_LIBRARY_PATH, so subprocesses - like qgis - don't see it.