

## Robotics Service Bus - Bug #1728

### Error in rsb.pc

01/27/2014 01:42 PM - Anonymous

<b>Status:</b>	Resolved	<b>Start date:</b>	01/27/2014
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Configuration	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	rsb-0.10		
<b>Description</b>			
<p>The latest rsb.pc file (cf <a href="https://ci.cor-lab.org/view/rsb-0.10/job/rsb-cpp-0.10-package/label=ubuntu_precise_64bit/ws/build/rsb.pc/*view*/">https://ci.cor-lab.org/view/rsb-0.10/job/rsb-cpp-0.10-package/label=ubuntu_precise_64bit/ws/build/rsb.pc/*view*/</a>) has an erroneous linker flag for pthread.</p> <p>It is</p> <pre>Libs: \${libdir}/librsb.so.0.10 -L/usr/lib ... pthread ...</pre> <p>where it should be</p> <pre>Libs: \${libdir}/librsb.so.0.10 -L/usr/lib ... -lpthread ...</pre> <p>rsb0.9 did not have this error, so we seem to have introduced this in rsb 0.10.</p>			

#### Associated revisions

##### Revision 5e438b0a - 01/27/2014 04:41 PM - Arne Nordmann

Fixes exported boost library flags in pkg-config

- Due to an upstream bug in cmake, the pthread library is handled wrong: <http://www.cmake.org/Bug/view.php?id=14720>
- As a workaround, this patch loops through all boost libraries to fix the according library flags before exporting it to the rsb pkg-config
- This patch should be removed once the upstream bug is fixed

fixes #1728

##### Revision 695a2639 - 01/28/2014 11:37 AM - Arne Nordmann

Port from 0.10: Fixes exported library flags in pkg-config

- Due to an upstream bug in cmake, the pthread library is handled wrong: <http://www.cmake.org/Bug/view.php?id=14720>
- As a workaround, this patch loops through all boost libraries to fix the according library flags before exporting it to the rsb pkg-config
- This patch should be removed once the upstream bug is fixed

refs #1728

#### History

##### #1 - 01/27/2014 02:45 PM - Anonymous

- File *rsb-pkgconfig.patch* added
- Status changed from New to Feedback

The attached patch should do the trick (I use it in a downstream project with the same issue). It uses the cmake macro `get_filename_component` to fix the erroneous linker flags from `find_package boost`.  
It surely is additional complexity, but shouldn't be too bad, as it uses cmake mechanisms.

**#2 - 01/27/2014 04:30 PM - Anonymous**  
- Status changed from *Feedback* to *In Progress*  
- Assignee set to *Anonymous*

After some debugging it seems, that this is an upstream bug in cmake or specifically the `findboost` macro. I reported it upstream to cmake:  
<http://www.cmake.org/Bug/view.php?id=14720>

So I will apply the patch above and refer to the upstream issue in the comment.

**#3 - 01/27/2014 04:44 PM - Anonymous**  
- Status changed from *In Progress* to *Resolved*  
- % Done changed from 0 to 100

Applied in changeset `rsb-cpp|commit:5e438b0a1cac1abaf42e004784a50d1aa8a9b443`.

Files			
rsb-pkgconfig.patch	692 Bytes	01/27/2014	Anonymous