Robotics Systems Commons - Bug #446 Linking Fails on MacOS Snow Leopard

07/26/2011 10:05 PM - S. Wrede

	Status:	Resolved	Start date:	07/26/2011
	Priority:	Normal	Due date:	
	Assignee:	S. Wrede	% Done:	100%
	Category:	cmake	Estimated time:	0.00 hour
Target version:				

Description

Everything compiles (against Boost 1.46.1) now, but does not link. Error is as follows:

```
[ 48%] Building CXX object src/CMakeFiles/rsc.dir/rsc/threading/ThreadedTaskExecutor.cpp.o
```

[50%] Building CXX object src/CMakeFiles/rsc.dir/rsc/debug/DebugTools.cpp.o

[51%] Building CXX object src/CMakeFiles/rsc.dir/rsc/subprocess/Subprocess.cpp.o

[52%] Building CXX object src/CMakeFiles/rsc.dir/rsc/RSCVersion.cpp.o

[54%] Building CXX object src/CMakeFiles/rsc.dir/rsc/subprocess/UnixSubprocess.cpp.o

[55%] Building CXX object src/CMakeFiles/rsc.dir/rsc/debug/LinuxDebugTools.cpp.o

Linking CXX shared library ../build/librsc.dylib

Undefined symbols:

"boost::system::generic_category()", referenced from:

__static_initialization_and_destruction_0(int, int)in Environment.cpp.o

__static_initialization_and_destruction_0(int, int)in Environment.cpp.o

"boost::system::system_category()", referenced from:

__static_initialization_and_destruction_0(int, int)in Environment.cpp.o

ld: symbol(s) not found

collect2: Id returned 1 exit status

make[2]: *** [build/librsc.0.4.0.dylib] Error 1 make[1]: *** [src/CMakeFiles/rsc.dir/all] Error 2

make: *** [all] Error 2

History

#1 - 07/26/2011 10:22 PM - S. Wrede

- Category set to cmake
- Assignee set to S. Wrede
- % Done changed from 0 to 10

Do we link against boost::system? Probably not:

-L/opt/local/lib/libboost_thread-mt.dylib /opt/local/lib/libboost_filesystem-mt.dylib /opt/local/lib/libboost_signals-mt.dylib /opt/local/lib/libboost_program_options-mt.dylib

#2 - 07/26/2011 10:32 PM - S. Wrede

- Status changed from New to Resolved
- % Done changed from 10 to 100

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Fixed in SVN. Boost system was not included as a library dependency in the CMakeLists file. How could this work on Linux?!?

#3 - 07/26/2011 11:05 PM - J. Wienke

Maybe a transitive dependency?

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