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: ld 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 /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

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?