

Robotics Systems Commons - Bug #2081

Build Problem on Mac with recent boost versions.

11/09/2014 06:48 PM - S. Wrede

Status:	Resolved	Start date:	11/09/2014
Priority:	Normal	Due date:	
Assignee:	J. Wienke	% Done:	100%
Category:	Operating System Abstraction	Estimated time:	0.00 hour
Target version:	rsb-0.11		

Description

Working in a fresh brew installation on 10.10, I experience the following compilation error:

```
cd /tmp/rsc-5UPciX/src && /usr/local/Library/ENV/4.3/clang++ -DBOOST_ALL_DYN_LINK -DDEBUGTOOLS_LINUX  
-DDEMANGLE_GCC -DHAVE_TYPES_H -DHAVE_UNISTD_H -DHAVE_WAIT_H -DSUBPROCESS_UNIX  
-Drsc0_11_EXPORTS -fPIC -I/tmp/rsc-5UPciX/src/rsc -I/tmp/rsc-5UPciX/src -isystem /usr/local/include -pipe -Wall -Wextra  
-fdiagnostics-show-option -o CMakeFiles/rsb-0.11.dir/rsc/os/MacProcessInfo.cpp.o -c  
/tmp/rsc-5UPciX/src/rsc/os/MacProcessInfo.cpp  
/usr/local/Cellar/cmake/3.0.2/bin/cmake -E cmake_progress_report /tmp/rsc-5UPciX/CMakeFiles 53  
[100%] Building CXX object src/CMakeFiles/rsb-0.11.dir/rsc/os/MacHostInfo.cpp.o  
cd /tmp/rsc-5UPciX/src && /usr/local/Library/ENV/4.3/clang++ -DBOOST_ALL_DYN_LINK -DDEBUGTOOLS_LINUX  
-DDEMANGLE_GCC -DHAVE_TYPES_H -DHAVE_UNISTD_H -DHAVE_WAIT_H -DSUBPROCESS_UNIX  
-Drsc0_11_EXPORTS -fPIC -I/tmp/rsc-5UPciX/src/rsc -I/tmp/rsc-5UPciX/src -isystem /usr/local/include -pipe -Wall -Wextra  
-fdiagnostics-show-option -o CMakeFiles/rsb-0.11.dir/rsc/os/MacHostInfo.cpp.o -c /tmp/rsc-5UPciX/src/rsc/os/MacHostInfo.cpp  
In file included from /tmp/rsc-5UPciX/src/rsc/misc/MacSignalWaiter.cpp:35:  
In file included from /usr/local/include/boost/format.hpp:49:  
/usr/local/include/boost/format/feed_args.hpp:133:13: error: cannot initialize a member subobject of type 'const void *' with an  
rvalue of type 'volatile int *'  
    : arg(&t),  
      ^ ~~  
/usr/local/include/boost/format/feed_args.hpp:307:74: note: in instantiation of function template specialization  
'boost::io::detail::put_holder<char, std::__1::char_traits<char>>::put_holder<volatile int>' requested here  
    return feed_impl<Ch, Tr, Alloc, const put_holder<Ch, Tr>&>(self, put_holder<Ch, Tr>(x));  
          ^  
/usr/local/include/boost/format/format_class.hpp:68:34: note: in instantiation of function template specialization  
'boost::io::detail::feed<char, std::__1::char_traits<char>, std::__1::allocator<char>, volatile int &>' requested here  
    { return io::detail::feed<CharT, Tr, Alloc, T&>(*this,x); }  
          ^  
/tmp/rsc-5UPciX/src/rsc/misc/MacSignalWaiter.cpp:123:33: note: in instantiation of function template specialization  
'boost::basic_format<char, std::__1::char_traits<char>, std::__1::allocator<char>>::operator%<volatile int>' requested here  
    % receivedSignal));  
          ^  
1 error generated.  
make[2]: *** [src/CMakeFiles/rsb-0.11.dir/rsc/misc/MacSignalWaiter.cpp.o] Error 1  
make[2]: *** Waiting for unfinished jobs....  
make[1]: *** [src/CMakeFiles/rsb-0.11.dir/all] Error 2  
make: *** [all] Error 2  
==> Formula  
Tap: corlab/homebrew-formulas  
Path: /usr/local/Library/Taps/corlab/homebrew-formulas/rsc.rb  
==> Configuration  
HOMEBREW_VERSION: 0.9.5  
HEAD: 46d763981cb685dafe0dd7f0403143a3cda01f35
```

```
CPU: quad-core 64-bit haswell
OS X: 10.10-x86_64
Xcode: 6.1
CLT: 6.1.0.0.1.1413057044
X11: 2.7.7 => /opt/X11
==> ENV
HOMEBREW_CC: clang
HOMEBREW_CXX: clang++
MAKEFLAGS: -j4
CMAKE_PREFIX_PATH: /usr/local
CMAKE_INCLUDE_PATH: /usr/include/libxml2:/System/Library/Frameworks/OpenGL.framework/Versions/Current/Headers
CMAKE_LIBRARY_PATH: /System/Library/Frameworks/OpenGL.framework/Versions/Current/Libraries
PKG_CONFIG_LIBDIR: /usr/lib/pkgconfig:/usr/local/Library/ENV/pkgconfig/10.10
ACLOCAL_PATH: /usr/local/share/aclocal
PATH: /usr/local/Library/ENV/4.3:/usr/local/opt/cmake/bin:/usr/bin:/bin:/usr/sbin:/sbin
```

Boost version is 1.56.

History

#1 - 11/12/2014 02:31 PM - J. Wienke

- *Subject changed from Build Problem on Mac OS 10.10 to Build Problem on Mac with recent boost versions.*
- *Category set to Operating System Abstraction*
- *Status changed from New to Resolved*
- *% Done changed from 0 to 100*

Fixed in commit:a185ec31.