

Robotics Systems Commons - Bug #445

Compilation of Environment.cpp fails on MacOs

07/26/2011 08:15 PM - S. Wrede

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

Description

with the following reason:

```
-- Could NOT find Lcov (missing: LCOV_EXECUTABLE GENHTML_EXECUTABLE)
-- Could NOT find gcovr (missing: GCOVR_EXECUTABLE)
-- Could NOT find sloccount (missing: SLOCCOUNT_EXECUTABLE)
-- Could NOT find Doxygen (missing: DOXYGEN_EXECUTABLE)
-- Could NOT find Cppcheck (missing: CPPCHECK_EXECUTABLE CPPCHECK_VERSION)
-- This is a checked out version: TRUE
-- Current revision is 303
-- Selected UnixSubprocess
-- Selected LinuxDebugTools
-- Installing CMake modules to: share/cmake/Modules
-- Cannot enable coverage targets because neither lcov nor gcovr are found.
-- Configuring done
-- Generating done
-- Build files have been written to: /Users/swrede/Workspace/RSC/build
[ 1%] Building CXX object src/CMakeFiles/rsc.dir/rsc/config/Environment.cpp.o
/Users/swrede/Workspace/RSC/src/rsc/config/Environment.cpp: In member function 'virtual void
rsc::config::EnvironmentVariableSource::emit(rsc::config::OptionHandler&)':
/Users/swrede/Workspace/RSC/src/rsc/config/Environment.cpp:83: error: 'environ' was not declared in this scope
/opt/local/include/boost/system/error_code.hpp: At global scope:
/opt/local/include/boost/system/error_code.hpp:214: warning: 'boost::system::posix_category' defined but not used
/opt/local/include/boost/system/error_code.hpp:215: warning: 'boost::system::errno_ecat' defined but not used
/opt/local/include/boost/system/error_code.hpp:216: warning: 'boost::system::native_ecat' defined but not used
make[2]: *** [src/CMakeFiles/rsc.dir/rsc/config/Environment.cpp.o] Error 1
make[1]: *** [src/CMakeFiles/rsc.dir/all] Error 2
make: *** [all] Error 2
ubi-1-165-236:build swrede$
```

With just a quick look at the implementation, it was not obvious where environ shall come from. Any ideas?

History

#1 - 07/26/2011 08:22 PM - J. Moringen

Seems to be defined in unistd.h on POSIX systems (At least that's what man environ says).

#2 - 07/26/2011 10:00 PM - S. Wrede

- Category set to Util

- Status changed from New to Resolved

- Assignee set to S. Wrede
- % Done changed from 0 to 100

For dynamic libraries the environ variable is not available on MacOS, hence a workaround is needed. See also:
<http://article.gmane.org/gmane.comp.lib.boost.devel/103843>

#3 - 07/26/2011 10:01 PM - S. Wrede

- Subject changed from *Compilation fails on MacOs* to *Compilation of Environment.cpp fails on MacOs*