

## BornAgain - Bug #826

### cmake fails under Debian/testing; problem with Python

26 Sep 2014 17:50 - wuttke

<b>Status:</b>	Archived	<b>Start date:</b>	26 Sep 2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	pospelov	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Sprint 24		
<b>Description</b>			
<pre>\$ uname a Linux h4 3.14-2-amd64 #1 SMP Debian 3.14.15-2 (2014-08-09) x86_64 GNU/Linux \$ cmake .. -- The C compiler identification is GNU 4.9.1 -- The CXX compiler identification is GNU 4.9.1 -- Check for working C compiler: /usr/bin/cc -- Check for working C compiler: /usr/bin/cc -- works -- Detecting C compiler ABI info -- Detecting C compiler ABI info - done -- Check for working CXX compiler: /usr/bin/c++ -- Check for working CXX compiler: /usr/bin/c++ -- works -- Detecting CXX compiler ABI info -- Detecting CXX compiler ABI info - done -- Found Eigen3: /usr/include/eigen3 (Required is at least version "3.1.0") -- Found fftw3 includes at /usr/include -- Found fftw3 library at /usr/lib/x86_64-linux-gnu/libfftw3.so -- Boost version: 1.55.0 -- Found the following Boost libraries: --   date_time --   chrono --   program_options --   iostreams --   system --   filesystem --   regex --   thread --   python -- Boost_INCLUDE_DIRS: /usr/include -- Boost_LIBRARY_DIRS: /usr/lib/x86_64-linux-gnu -- Boost_LIBRARIES: /usr/lib/x86_64-linux-gnu/libboost_date_time.so;/usr/lib/x86_64-linux-gnu/libboost_chrono.so;/usr/lib/x86_64-linux-gnu/libboost_program_options.so;/usr/lib/x86_64-linux-gnu/libboost_iostreams.so;/usr/lib/x86_64-linux-gnu/libboost_system.so;/usr/lib/x86_64-linux-gnu/libboost_filesystem.so;/usr/lib/x86_64-linux-gnu/libboost_regex.so;/usr/lib/x86_64-linux-gnu/libboost_thread.so;/usr/lib/x86_64-linux-gnu/libboost_python.so;/usr/lib/x86_64-linux-gnu/libpthread.so -- Found GSL version 1.16, GSL_INCLUDE_DIR=/usr/include GSL_LIBRARIES=-L/usr/lib/gsl-1.16 -- Found PythonInterp: /usr/bin/python (found version "2.7.8") CMake Error at /usr/share/cmake-3.0/Modules/FindPackageHandleStandardArgs.cmake:136 (message): Could NOT find PythonLibs (missing: PYTHON_LIBRARIES PYTHON_INCLUDE_DIRS) (Required is at least version "2.7") Call Stack (most recent call first): /usr/share/cmake-3.0/Modules/FindPackageHandleStandardArgs.cmake:343 (_FPHSA_FAILURE_MESSAGE) /usr/share/cmake-3.0/Modules/FindPythonLibs.cmake:197 (FIND_PACKAGE_HANDLE_STANDARD_ARGS) cmake/modules/SearchInstalledSoftware.cmake:76 (find_package) CMakeLists.txt:32 (include)  -- Configuring incomplete, errors occurred! See also "/G/ba/build/CMakeFiles/CMakeOutput.log".</pre>			

#### History

#1 - 29 Sep 2014 08:48 - pospelov

- *Status changed from New to Sprint*
- *Assignee set to pospelov*
- *Target version set to Sprint 24*

We have already seen something similar at JCNS. There it was connected with new cmake-3.0 and absence of python shared library (only static one was available). Does this Debian installation has shared python lib?

**#2 - 29 Sep 2014 16:19 - wuttke**

Under Debian/Jessie, package libpython2.7-dev provides libpython2.7.a, and depends on package libpython2.7, which provides libpython2.7.so.1.0. Hence a clean system can be expected not to have the static library unless there is also the shared one.

On my Debian/Jessie/amd64 system, both the static and the shared library reside in /usr/lib/x86\_64-linux-gnu. I suspect this is missing from cmake's search path.

**#3 - 29 Sep 2014 16:32 - pospelov**

- *Status changed from Sprint to Resolved*

**#4 - 28 Oct 2014 13:28 - herck**

- *Status changed from Resolved to Archived*