

Robotics Systems Commons - Bug #1338

Wrong prefix in pkg-config files of the debian packages

01/17/2013 10:43 AM - Anonymous

Status:	Resolved	Start date:	01/17/2013
Priority:	High	Due date:	
Assignee:	J. Wienke	% Done:	100%
Category:	cmake	Estimated time:	0.00 hour
Target version:	rsb-0.9		

Description

The .pc files incorrectly define the prefix and pathes to be in /usr/local, where infact it should be /usr/, where everything is installed to. The wrong .pc file looks like:

```
prefix=/usr/local
libdir=${prefix}/lib
...
```

This seems to be a cmake/cpack glitch, since we use the variable CMAKE_INSTALL_PREFIX to configure this pkg-config file, but cpack just sets CPACK_INSTALL_PREFIX (note: CPACK_ instead of CMAKE_), see [CMake-CPack Package Installation Path Nightmare](#) (the solutions suggested in the comments don't work for me).

Associated revisions

Revision feab1daa - 01/23/2013 11:09 AM - Arne Nordmann

Fixed prefix path in package config file

- CPack now sets CMAKE_INSTALL_PREFIX to its own CPACK_INSTALL_PREFIX
- This has to happen before config file confoiguration
- CPACK_INSTALL_PREFIX is /usr/local by default but can be set through cmake

fixes #1338

Revision c5d0f06d - 01/23/2013 01:06 PM - Arne Nordmann

Backport: Fixed prefix path in package config file

refs #1338

History

#1 - 01/17/2013 10:53 AM - Anonymous

- Target version changed from 0.7 to rsb-0.9

I report this in trunk, but it will have to be back-ported to 0.7 also.

#2 - 01/17/2013 04:05 PM - Anonymous

- File cpack-prefix.patch added

Adding the following lines to the CPackDebianConfig.cmake will do the trick:

```
#set(CPACK_INSTALL_PREFIX "/usr")
set(CPACK_SET_DESTDIR On)
set(CMAKE_INSTALL_PREFIX ${CPACK_INSTALL_PREFIX})
```

under the condition, that the CPack stuff happens **before** the config files configuration (so that setting CMAKE_INSTALL_PREFIX can take effect in these files), see attached patch.

This will create valid packages and config files, but without explicitly setting CPACK_INSTALL_PREFIX, content will then be installed in /usr/local instead of /usr. CPACK_INSTALL_PREFIX can be set either right inside our CPackDebianConfig.cmake or from outside in our ci job configuration.

This is all still a bit fuzzy, since documentation of this matter ist mainly through bug reports and work-arounds not through actual documentation. The fact, that this solution depends on the order of configuration is not so nice. But at least explicitly configuring the CPACK_INSTALL_PREFIX doesn't seem to be a too bad idea.

Any opinions?

#3 - 01/17/2013 04:52 PM - J. Wienke

I am not specifically happy about moving the place where the package file is included around. For the next bug fix it needs to be moved down again and so on. But if there is no other chance we should do it like this.

#4 - 01/23/2013 11:11 AM - Anonymous

- Status changed from *New* to *Resolved*
- % Done changed from 0 to 100

Applied in changeset rsc|commit:feab1daa5b6ce27b46cb37d339de08d08bbd56c9.

Files

cpack-prefix.patch	1.89 KB	01/17/2013	Anonymous
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