
Subject: cmake fails with newest fairsoft/fairroot on stretch
Posted by [Bastian Löher](#) on Thu, 16 Jan 2020 06:59:10 GMT
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R3BRoot commit: e099fbd9633c0aa0c3ed31249e3e9c724ca138b1
Path: /u/land/R3BRoot
Machine: lxlandana01
User: land
FairSoft: jun19p2
FairRoot: v18.2.1

Environment: /u/land/fake_cvmfs/env.sh

Steps to reproduce:

```
source /u/land/fake_cvmfs/env.sh
cd /u/land/R3BRoot/build_stretch
cmake ..
```

Error Messages:

CMake Error at /u/land/fake_cvmfs/FairSoft/deps/lib/Geant4-10.5.1/GEANT4Config.cmake:36
4 (list):

list sub-command REMOVE_ITEM requires list to be present.

Call Stack (most recent call first):

CMakeLists.txt:303 (find_package)

CMake Error at /u/land/fake_cvmfs/FairSoft/deps/lib/Geant4-10.5.1/GEANT4Config.cmake:39
1 (list):

list sub-command REMOVE_ITEM requires list to be present.

Call Stack (most recent call first):

CMakeLists.txt:303 (find_package)

CMake Error at /u/land/fake_cvmfs/FairSoft/deps/lib/Geant4-10.5.1/GEANT4Config.cmake:72
1 (list):

list sub-command REMOVE_DUPLICATES requires list to be present.

Call Stack (most recent call first):

CMakeLists.txt:303 (find_package)

CMake Error at /u/land/fake_cvmfs/FairSoft/deps/lib/Geant4-10.5.1/GEANT4Config.cmake:72
2 (list):

list sub-command REMOVE_ITEM requires list to be present.

Call Stack (most recent call first):

CMakeLists.txt:303 (find_package)

CMake Warning at CMakeLists.txt:304 (find_package):

By not providing "FindGEANT4DATA.cmake" in CMAKE_MODULE_PATH this project has asked CMake to find a package configuration file provided by "GEANT4DATA", but CMake did not find one.

Could not find a package configuration file provided by "GEANT4DATA" with any of the following names:

GEANT4DATAConfig.cmake
geant4data-config.cmake

Add the installation prefix of "GEANT4DATA" to CMAKE_PREFIX_PATH or set "GEANT4DATA_DIR" to a directory containing one of the above files. If "GEANT4DATA" provides a separate development package or SDK, be sure it has been installed.

CMake Error at CMakeLists.txt:306 (find_package):

By not providing "FindCLHEP.cmake" in CMAKE_MODULE_PATH this project has asked CMake to find a package configuration file provided by "CLHEP", but CMake did not find one.

Could not find a package configuration file provided by "CLHEP" with any of the following names:

CLHEPConfig.cmake
clhep-config.cmake

Add the installation prefix of "CLHEP" to CMAKE_PREFIX_PATH or set "CLHEP_DIR" to a directory containing one of the above files. If "CLHEP" provides a separate development package or SDK, be sure it has been installed.

-- Configuring incomplete, errors occurred!

Subject: Re: cmake fails with newest fairsoft/fairroot on stretch
Posted by [Dmytro Kresan](#) on Thu, 16 Jan 2020 08:48:47 GMT
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In the /u/land/fake_cvmfs/env.sh you have wrong PATH. It should be:

```
export PATH=$SIMPATH/bin:$PATH
```

Subject: Re: cmake fails with newest fairsoft/fairroot on stretch
Posted by [Dmytro Kresan](#) on Thu, 16 Jan 2020 09:06:22 GMT

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I have just tried to run cmake on current dev of R3BRoot with your FairSoft and FairRoot - it works.

/u/land/R3BRoot is not an official version. Has lots of modifications, which is not a problem I think. But it has leftovers of build files in it. Somebody has run cmake from the source directory. In particular CMakeCache.txt could be source of your error.

Best regards,
Dima

Subject: Re: cmake fails with newest fairsoft/fairroot on stretch
Posted by [Bastian Löher](#) on Fri, 17 Jan 2020 08:36:06 GMT
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Thanks!

I've tried with a new checkout, and it works as you said.

So, there must be something wrong with the source in /u/land/R3BRoot.
I've also tried deleting the leftover build files in the source tree, but that did not help.

So, to conclude: R3BRoot can now be compiled and run on our new analysis machines
Ixlandana0[1,2].
