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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 ..
```

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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!

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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
```

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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

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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].

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