
Subject: Fresh Installation does not work
Posted by [Oleg](#) on Tue, 09 Aug 2016 09:34:03 GMT
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I tried to install R3BRoot on GSI PC lxg0898, with Garfied support.
It worked up to the last make:

```
[100%] Generating G__R3BMacroCompilerDict.cxx, G__R3BMacroCompilerDict_rdict.pcm,
../lib/libR3BMacroCompiler.rootmap
Scanning dependencies of target R3BMacroCompiler
[100%] Building CXX object
compilehelper/CMakeFiles/R3BMacroCompiler.dir/R3BMacroCompiler.cxx.o
[100%] Building CXX object
compilehelper/CMakeFiles/R3BMacroCompiler.dir/G__R3BMacroCompilerDict.cxx.o
Linking CXX shared library ../lib/libR3BMacroCompiler.so
[100%] Built target R3BMacroCompiler
Install the project...
-- Install configuration: "RelWithDebInfo"
-- Installing: /usr/local/include/R3BModule.h
CMake Error at r3bbase/cmake_install.cmake:36 (FILE):
  file INSTALL cannot copy file
  "/d/land2/kisselev/R3BRoot/r3bbase/R3BModule.h" to
  "/usr/local/include/R3BModule.h".
Call Stack (most recent call first):
  cmake_install.cmake:37 (INCLUDE)
```

make: *** [install] Error 1

Any idea what is a problem?

Regards, Oleg.

Subject: Re: Fresh Installation does not work
Posted by [Dmytro Kresan](#) on Tue, 09 Aug 2016 11:09:05 GMT
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Do you call "make install"? It is not needed for R3BRoot and will not work. Just "make". The problem is that the default installation path is /usr/local, and you do not have write permissions to it.

Regards,
Dima

Subject: Re: Fresh Installation does not work
Posted by [Oleg](#) on Tue, 09 Aug 2016 11:29:34 GMT
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Hi,

OK, I used finally the installation of garfield that Hans made for the whole R3B group at /u/land/htt/garfield

The R3BRoot compiled with it.

Something is still wrong. The first trial to run:

```
root -l r3bsim.C
```

```
at /d/land2/kisselev/R3BRoot/macros/r3b/actar
```

```
crashed:
```

```
Processing r3bsim.C...
```

```
In file included from input_line_9:1:
```

```
In file included from /d/land2/kisselev/R3BRoot/macros/r3b/actar/r3bsim.C:17:
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:70:3: error: unknown type name
```

```
'FairRunSim'
```

```
    FairRunSim* run = new FairRunSim();
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:70:25: error: unknown type name
```

```
'FairRunSim'
```

```
    FairRunSim* run = new FairRunSim();
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:73:3: error: unknown type name
```

```
'FairRuntimeDb'
```

```
    FairRuntimeDb* rtdb = run->GetRuntimeDb();
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:109:3: error: unknown type name
```

```
'FairModule'
```

```
    FairModule* cave= new R3BCave("CAVE");
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:109:25: error: unknown type name
```

```
'R3BCave'
```

```
    FairModule* cave= new R3BCave("CAVE");
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:115:5: error: unknown type name
```

```
'R3BModule'
```

```
    R3BModule* target= new R3BTarget(Target.Data());
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:115:28: error: unknown type name
```

```
'R3BTarget'
```

```
    R3BModule* target= new R3BTarget(Target.Data());
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:122:5: error: unknown type name
```

```
'R3BModule'
```

```
    R3BModule* vesselcool= new R3BVacVesselCool(Target.Data());
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:122:32: error: unknown type name
```

```
'R3BVacVesselCool'
```

```
    R3BModule* vesselcool= new R3BVacVesselCool(Target.Data());
```

```
    ^
```

```
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:130:5: error: unknown type name
```

```

'R3BModule'
  R3BModule* mag = new R3BMagnet("AladinMagnet");
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:130:26: error: unknown type name
'R3BMagnet'
  R3BModule* mag = new R3BMagnet("AladinMagnet");
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:138:5: error: unknown type name
'R3BModule'
  R3BModule* mag = new R3BGladMagnet("GladMagnet");
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:138:26: error: unknown type name
'R3BGladMagnet'
  R3BModule* mag = new R3BGladMagnet("GladMagnet");
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:145:5: error: unknown type name
'R3BDetector'
  R3BDetector* xball = new R3BXXBall("XBall", kTRUE);
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:145:30: error: unknown type name
'R3BXXBall'
  R3BDetector* xball = new R3BXXBall("XBall", kTRUE);
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:152:5: error: unknown type name
'R3BDetector'
  R3BDetector* calo = new R3BCalo("Califa", kTRUE);
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:152:29: error: unknown type name
'R3BCalo'
  R3BDetector* calo = new R3BCalo("Califa", kTRUE);
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:153:7: error: use of undeclared identifier
'R3BCalo'
  ((R3BCalo *)calo)->SelectGeometryVersion(10);
  ^
/d/land2/kisselev/R3BRoot/macros/r3b/actar/r3ball.C:153:16: error: expected expression
  ((R3BCalo *)calo)->SelectGeometryVersion(10);
  ^
fatal error: too many errors emitted, stopping now [-ferror-limit=]

```

Subject: Re: Fresh Installation does not work
 Posted by [Dmytro Kresan](#) on Tue, 09 Aug 2016 11:45:19 GMT
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Dear Oleg,

have you configured your shell before running the ROOT macro?

```
cd YOUR_R3BROOT_BUILD_DIRECTORY
. ./config.sh
```

Then go to macros/r3b/actar folder and run the macro.

If you did so, post here the output of:

```
echo $LD_LIBRARY_PATH
```

Best regards,
Dima

Subject: Re: Fresh Installation does not work
Posted by [Oleg](#) on Tue, 09 Aug 2016 12:04:01 GMT
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Hi Dima,

actually I did and saw:

System during compilation: Debian GNU/Linux 7.11 (wheezy)

x86_64

System now : Debian GNU/Linux 7.11 (wheezy)

x86_64

```
echo $LD_LIBRARY_PATH
```

```
/d/land2/kisselev/R3BRoot/build/lib:/u/land/htt/garfield/install/lib:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-16.06_fairsoft-may16_root6/lib:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/lib/root:/cvmfs/it.gsi.de/compiler/gcc/4.8.4/lib64:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/lib/root:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/lib
```

Now I did again the:

```
cd /d/land2/kisselev/R3BRoot/build
```

```
. ./config.sh
```

```
echo $LD_LIBRARY_PATH
```

```
/d/land2/kisselev/R3BRoot/build/lib:/u/land/htt/garfield/install/lib:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairroot/v-16.06_fairsoft-may16_root6/lib:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/lib/root:/cvmfs/it.gsi.de/compiler/gcc/4.8.4/lib64:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/lib/root:/cvmfs/fairroot.gsi.de/gcc_4.8.4/fairsoft/may16_root6/lib
```

and it seems to be working. No idea why...

Oleg.