
Subject: Compiling ROOT6 with gcc>5
Posted by [Yassid](#) on Tue, 23 Aug 2016 19:12:05 GMT
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Hello:

This is a well known problem of ROOT which has to be compiled with
-DCMAKE_CXX_FLAGS="-D_GLIBCXX_USE_CXX11_ABI=0"

My question is how to do that for FairSoft, I know that I should add the line
-DCMAKE_CXX_FLAGS="-D_GLIBCXX_USE_CXX11_ABI=0" in the rootconfig.sh script but I
just did not work, I still have the same problem inside ROOT:

IncrementalExecutor::executeFunction: symbol '_ZN5cling10printValueEPKi' unresolved while
linking [cling interface function]!
You are probably missing the definition of cling::printValue(int const*)
Maybe you need to load the corresponding shared library?
(int) Error in ValuePrinter: missing output string.

Any thoughts?

Thank you very much in advance!
Yassid

Subject: Re: Compiling ROOT6 with gcc>5
Posted by [Mohammad Al-Turany](#) on Tue, 23 Aug 2016 19:33:56 GMT
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Hallo Yassid,

Did you remove the CMakeCache.txt and rootconfig.sh in "fairsoft/tools/root/build_for_fair/"
before running the configure.sh again?

best,

Mohammad

Subject: Re: Compiling ROOT6 with gcc>5
Posted by [Yassid](#) on Tue, 23 Aug 2016 21:44:30 GMT
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Hello:

Thanks for the reply. In principle yes, but I put it at the end without the \ on the previous
condition and then It just ignored it.

Now I did it from the scratch and I get this error:

collect2: error: ld returned 1 exit status

```

net/netxng/CMakeFiles/NetxNG.dir/build.make:194: recipe for target 'lib/libNetxNG.so.6.06.02'
failed
make[2]: *** [lib/libNetxNG.so.6.06.02] Error 1
CMakeFiles/Makefile2:16184: recipe for target 'net/netxng/CMakeFiles/NetxNG.dir/all' failed
make[1]: *** [net/netxng/CMakeFiles/NetxNG.dir/all] Error 2
Makefile:149: recipe for target 'all' failed
make: *** [all] Error 2
**** Checking libraries in /home/attpc/fair_install/FairSoftInst_may2016_ABI0/lib ****
*** ERROR: root could not be created.
    create a symbolic linking for Vc library ....
libVc.a not found in lib directory
*** End installation of external packages with Errors***
attpc@control:~/fair_install/FairSoft_may2016$

```

I am using Ubuntu 16.04 with gcc 5.2.

This is how the rootconfig.sh looks like (at the bottom):

```

cmake ./ -Dsoversion=ON $PYTHONBUILD $XROOTD $ROOFIT \
    -Dminuit2=ON -Dgdml=ON -Dxml=ON \
    -Dbuiltin-ftgl=ON -Dbuiltin-glew=ON \
    -Dbuiltin-freetype=ON $OPENGL \
    -Dmysql=ON -Dpgsql=ON -Dasimage=ON \
    -DPYTHIA6_DIR=$SIMP_PATH_INSTALL \
    -DPYTHIA8_DIR=$SIMP_PATH_INSTALL \
    -Dglobus=OFF \
    -Dreflex=OFF \
    -Dcintex=OFF \
    $VC \
    -Dhttp=ON \
    -DGSL_DIR=$SIMP_PATH_INSTALL \
    -DCMAKE_CXX_COMPILER=$CXX -DCMAKE_C_COMPILER=$CC \
    -DCMAKE_CXX_FLAGS="-D_GLIBCXX_USE_CXX11_ABI=0" \
    -DCMAKE_F_COMPILER=$FC $root_comp_flag $prefix_string \
    $etc_string -Dgnuinstall=ON \
    -DCMAKE_BUILD_TYPE=$BUILD_TYPE

```

It seems that the libNetxNG.so failed when compiling.

Thank you
Yassid

Subject: Re: Compiling ROOT6 with gcc>5
 Posted by [Yassid](#) on Sat, 27 Aug 2016 14:18:09 GMT
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Hello again:

I have tried many options disabling many packages such as pythia8 (

<https://root.cern.ch/phpBB3/viewtopic.php?f=3&t=22150&p=97010#p97010>), but I could not install it. I have to stick to the gcc 4.9 version but I would really like to use 6.1 to use openACC. I will wait for your feedback.

Thank you
Yassid
