

# Table of Contents

<b>LHCb Core Software Meeting</b> .....	<b>1</b>
Date and Location.....	1
Attendees.....	1
Subjects.....	1
<b>News</b> .....	<b>2</b>
<b>Round Table</b> .....	<b>3</b>
Marco Cl.....	3
Joel.....	3
Markus.....	3
Gloria.....	3
Ben.....	4
Liang.....	4

# LHCb Core Software Meeting

## Date and Location

15 Jan 2014 [📅](#)  
10:30 - 11:30  
CERN (2-R-030)

## Attendees

Ben Couturier, Gloria Corti, Illya Shapoval, Joel Closier, Liang Sun, Marco Cattaneo, Marco Clemencic (minutes), Markus Frank, Rob Lambert (Vidyo)

## Subjects

# News

- Architects' Forum on Thursday
  - ◆ issue with Coverity
- Technical Student dead-line
  - ◆ we need to review the list of candidates (overlaps between the two projects)
- ISIMA
  - ◆ we still have a bit of time to submit projects (Federico and Ben already prepared one, Marco Cl. will prepare another)
- Marco Ca. on status of manpower
  - ◆ we have currently two fellows (on LHCbDirac) and we will most probably have two technical students (on Core Software), and probably it will be like that for the future too
- Rob joined the software release managers and there is another person that is going to join.

# Round Table

## Marco Cl.

- CMake migration status LBCORE-174 [↗](#)
  - ◆ More projects migrated: Online, Hlt, Alignment, Panoptes, DecFilesTests (to be validated with the tests)
  - ◆ Pending: Moore (patch ready), Bender, Panoramix, Erasmus, Urania
- Nightlies
  - ◆ buildlhcb seem
  - ◆ Sasha Mazurov found that the Boost Spirit problem with Clang 3.3 and with Boost 1.55 (gcc48) can be solved by a preprocessor macro (change the version of Pheonix). Unfortunately this broke the compilation of LHCb, but Sasha suggested a small change that needs to be tested.
- ROOT 6 migration
  - ◆ not much happened since Christmas
  - ◆ removed a few workaround from Gaudi (one still present in Gaudi and one in LHCb)
  - ◆ a few showstoppers are still present
  - ◆ ROOT 6 planning meeting in the afternoon

## Joel

- Machines
  - ◆ recycled a VO-box to be used as a CVMFS stratum 0
  - ◆ we can migrate some build machines to SLC6
    - ◇ agree to move lxbuild171 and lxbuild172 to SLC6
    - ◇ we will need, at some point, to move to puppet (VMs)
- SLC6-gcc48 version of Dirac will be released next week
  - ◆ Ben: Ganga people said they can follow quickly
- CERN finally joined "eduroam"

## Markus

- Working to fix CMake builds/tests.
- Issue with CMake warnings.  
Marco Cl.: they can be fixed.

## Gloria

- New head of the simulation projects: Federico Carminati
- HepMC workshop next week. Will circulate informations.
- Meeting this afternoon to prepare LPCC workshop on detector simulation.
  - ◆ there should be some discussion on multi-processing/threading in simulation
- GENSER developers are preparing new version
  - ◆ we need to be able to test them in the nightlies as we are doing for Geant4 (will discuss with Marco Cl. next week)
- Working on validation of Gauss on gcc48.

## Ben

- Request from Gerhard for Clang 3.4, both for the compiler and for the tools
  - ◆ Marco Cl.
- Preparation for gcc48 (externals, contribs, etc)
  - ◆ we need to extend the version name scheme before releasing LbScripts
- Preparing with Joel an CVMFS stratum 0 for testing
- Velo people asked for a review of their upgrade code
- Have been working on the support for "periodic" tests (weekly, monthly, ...)
  - ◆ issues:
    - ◇ Gaudi QMTest can run a user specified test suite, but it falls back on the default if missing (to be changed)
    - ◇ the dashboard does not support yet the new tests
  - ◆ we should be able to run LHCbPR jobs with this framework next week

## Liang

- Few tags before Christmas.

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-- MarcoClemencic - 15 Jan 2014

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This topic: LHCb > CoreSoftwareMeetingMinutes20140115

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