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# LHCb Core Software Meeting

## Date and Location

14-Nov-2012 [📅](#)

10:30 - 11:05

CERN (2-R-030)

## Attendees

Ben Couturier, Gloria Corti, Illya Shapoval, Marco Cattaneo, Marco Clemencic (minutes), Markus Frank, Stefan Lohn, Thomas Hartmann (Vidyo)

## Apologies

Joel Closier

## Subjects

# News

- From A.F.
  - ◆ ROOT 6 is a bit late (should be ready by the end of the year)
  - ◆ slc6-gcc47 stack being prepared (GCC 4.7.2 with C++11 standard)
  - ◆ Python 2.7 ... not so clear
- LCGCMT 64b to be prepared today (requested for the next Gaudi)
  - ◆ ROOT 5.34/03
  - ◆ FastJet 3.0.3
  - ◆ TBB 4.1
  - ◆ Qt?
- LHCbDirac moved to JIRA for bug/issue tracking (<https://its.cern.ch/jira/browse/LHCBDIRAC>)
- Marco Ca.: Pere announced "Manycores and Concurrency Workshop" in Fermilab, we should contribute (4-6 Feb 2013)

# Issues from last meeting

- Use of ssh instead of http for SVN checkout in the nightlies

# Round Table

## Marco Cl.

- Gaudi release foreseen for beginning of next week (release notes in preparation)
  - ◆ fixes for return codes
  - ◆ usable CMake configuration, with the help of LbScripts (documentation in preparation)
- Reported ROOT bug #98693 [↗](#) (inconsistent behavior after segfault in Python)
  - ◆ the *fix* seems to be a change on our side (i.e. use ROOT instead of PyCintex)
- CMake configuration
  - ◆ several small fixes and improvements (cleaner installation, support for path cleaning and python.zip)
  - ◆ prepared a 'generic' Makefile for CMake projects, more or less equivalent to the CMT one
  - ◆ validation is at a good stage:
    - ◇ build from Gaudi to Brunel (in less than 30 min with '-j 20' and distcc), plus a 'cmtuser' project with one package
    - ◇ successful tests
    - ◇ same or equivalent build products
    - ◇ some differences in the environment (order of directories in the paths)
  - ◆ To Do:
    - ◇ improve 'tag\_package' integration
    - ◇ support in SetupProject (both build and run time)
    - ◇ support for recursive getpack
    - ◇ integration with release management tools (who should do it?)
    - ◇ have a nightly build slot (use Jenkins?)
      - We need updated in the nightlies to modify the CMake configuration on the fly, if needed.
  - ◆ Can I start to commit CMake configuration files to LHCb, Lbcom, Rec, Brunel?

## Gloria

- Something strange in the nightlies: new version of EvtGen breaks the nightlies because of a missing header... which seems to be there
- We have a list of PDFs we want for production, but it will need to change in the future. Unfortunately the list is hardcoded in the packaging script: we need a better way to configure the list, possibly from Gauss.

## Marco Ca.

- New release of the stack around LHCb week: new Gaudi plus some MC-related changes by Chris.

## Ben

- FastJet 3.0.3 validated by Victor Coco
  - ◆ Gloria: also Gauss depends on it (Rivet)
- Waiting for SFT rpms to go on on rpm
- Discussion with Benedikt about status of the nightlies
  - ◆ they are going to use ElectricCommander
  - ◆ we could do something similar with Jenkins (prepared a test instance)
- Running a full chain of performance jobs

## Illya

- Continuing on the CTS and finalizing the conference paper (deadline on Friday).

## Liang

- Working on improving the deployment of the SQLite files.

## Thomas

- Problem with the nightlies build logs: not copied to AFS. Not yet clear why.
- getpack using ssh instead of http

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-- MarcoClemencic - 14-Nov-2012

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This topic: LHCb > CoreSoftwareMeetingMinutes20121114

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