

# 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>Issues in JIRA</b> .....	<b>3</b>
<b>Round Table</b> .....	<b>4</b>
Marco Cl.....	4
Stefan.....	4
Ben.....	4
Joel.....	4
Liang.....	4

# LHCb Core Software Meeting

## Date and Location

08-May-2013 [🔗](#)

10:30 - 11:25

CERN (2-R-030)

## Attendees

Ben Couturier, Joel Closier, Liang Sun, Marco Cattaneo, Marco Clemencic (minutes), Markus Frank, Stefan Lohn

## Subjects

# News

- Switch of the lxplus alias to SLC6
  - ◆ lxplus(6) reported to be very slow
  - ◆ LBCORE-128 [↗](#)
  - ◆ problem with the configuration (e.g. CASTOR)
  - ◆ Markus does have problems with the login scripts
- LIM
  - ◆ LCGCMT 65 not yet released... (ROOT 5.34.07 might be included)
  - ◆ Discussion on a new versioning scheme for the externals (simplify and remove the "\_python26" type of extensions) (see LBCORE-120 [↗](#))
  - ◆ new interface dcap

# Issues in JIRA

- for the meeting [↗](#)

# Round Table

## Marco Cl.

- Nightly Builds: waiting for lxbuid119
  - ◆ Ben: we do not need anything anymore for installing on CVMFS, because we will use a virtual machine for it
  - ◆ Joel: still a problem with the server HTTPS certificate
  - ◆ investigating the possibility of a database backed implementation of the dashboard (AKA summary page)
- Migration to JIRA (LBCORE-120[↗](#))
  - ◆ Victor is currently busy, so we have to wait a bit
  - ◆ we will start testing with Gaudi, LBCORE and CondDB, followed by LHCb Deployment
- Implementation of the replacement for SetupProject for CMake (LBCORE-12[↗](#))
  - ◆ 2 new tools: `lb-run` and `lb-dev`
  - ◆ one more tool to come: `lb-setup`
  - ◆ some fundamental differences between the new tools and SetupProject, some can be removed, some not (see the comments and the worklog in LBCORE-12[↗](#))
- The code to access the compressed DB has been released with the latest LHCb. Now I reorganized the code so that it lives in one single library and I will prepare builds of that library for all the versions of LHCb used in productions, to be added to the environment via Compat.

## Stefan

- Working on the improvement of the visualization in LHCbPR (LBCORE-72[↗](#))

## Ben

- Several support requests following the SLC6 switch
- Discussing the deployment of HEPOS Lib RPM: we should not ask to have it on SLC5, better to switch to SLC6
- volhcb34 moved to SLC6: improvements in the performances (~5%)
- Working on the implementation of the SoftConfDB in Neo4J

## Joel

- Put in production the new LHCbDirac
- Try to keep the control of the versions of the middleware (now they have a good RSS feed).
- Opened a ticket because `/cvmfs/grid.cern.ch` does not work on SLC6 (not up to date? for sure not in sync with AFS).
- Installed a new package on volhcb34 to play with CPU frequency
- Start to evaluate some FAQ software to be shared between LHCb and Dirac.

## Liang

- Testing improvements of performances switching from double to float (preserving correctness).

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-- MarcoClemencic - 08-May-2013

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This topic: LHCb > CoreSoftwareMeetingMinutes20130508

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