

Table of Contents

LHCb Core Software Meeting	1
Date and Location.....	1
Attendees.....	1
Subjects.....	1
News	2
Round Table	3
Marco Cl.....	3
Roel.....	3
Gloria.....	3
Joel.....	3
Marco Ca.....	3
Markus.....	3
Liang.....	3
Vanya.....	3
Sebastien.....	4

LHCb Core Software Meeting

Date and Location

2015-01-28 [↗](#)

10:30 - 11:35

CERN (2-R-030)

Attendees

Anastasia Karachaliou, Ben Couturier, Gerhard Raven (Vidyo), Gloria Corti, Illya Shapoval, Joel Closier, Liang Sun, Marco Cattaneo, Marco Clemencic (minutes), Markus Frank, Roel Aaji, Sebastien Binet (Vidyo), Vanya Belyaev

Subjects

News

- Gaudi v26r0 released as well as the stack up to DaVinci
- HSF Workshop next week
- LIM
 - ◆ Requested Eigen and GTest in the externals
 - ◆ SFT working on a massive upgrade
 - ◆ Benedikt proposed to contribute the packaging system to HSF
- ITUM this afternoon
- Call for summer students: to be reported to Andreas by the end of next week.
- Joel: two build machines unreachable yesterday morning because of failed power supply
- Marco Ca.: Tim Head would like to organize a tutorial for software carpentry

Gerhard: can we have clang builds in the nightlies?

- Ben: we have been asking SFT
- Marco Cl.: we could try to build our nightlies with clang on top of gcc48

Gerhard: it would be great to have the clang tools available to everybody.

- Ben & Marco Cl.: this is unrelated to have the nightly built on clang

Round Table

Marco Cl.

- Gaudi: replacement for QMTest on its way

Roel

- Hlt and Moore releases took long (CMake and ROOT problems)
- ROOT bug reported but not top priority because we have a work around
- Phys required a new build
- Gerhard changes made Moore go faster (25% more throughput)

Marco Ca.: we need to check the memory usage with ROOT 6

Gloria

- Issues with the deployment of Gauss because of data packages that do not have the RPMs
- The RPM of Geant4 was missing the InstallArea/include directory. Fixed by Marco Cl. moving it to InstallArea/include
- Problem with AlpGen and "make -j" because of several libraries using the same source file
- Problem with AlpGen and CMake (sources not found)
- Has to add LCG to the lhcb-head configuration

Joel

- Since 2 weeks we are using the new tools to build and release Dirac/LHCbDirac
- Problem in the html files used for the dependencies of LHCbGrid
- The database for Coverity is now available. Marco Cl. will migrate the old database.

Marco Ca.

- Updating the Computing Task document. Should be finished before the LHCb Week

Markus

- Struggling with the release of Online.
- Need the fixes in the CMake configuration system

Liang

- Various updated to the DBs
- Testing the migration of constants from LHCBCOND to ONLINE

Vanya

- Manages to build C++ images of all functors in Stripping
- Need solutions for
 - ◆ actual factory calls

- ◆ replace std::hash with something else
- ◆ automatize the builds
- Changed a lot in LoKi infrastructure (removed several virtual function calls)
- Testing the C++ functors for Hlt

Sebastien

- Closed all lbpkr issues
 - ◆ handling of data packages versions
 - ◆ easily add nightly RPM repositories

-- MarcoClemencic - 2015-01-28

This topic: LHCb > CoreSoftwareMeetingMinutes20150128

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