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LHCb Core Software Meeting

Date and Location

21 Jan 2009 [📅](#)

10:30 - 12:25

CERN (2-R-030)

Attendees

Gloria, Hubert, Juan (EVO), Karol, Marco Ca., Marco Cl. (minutes), Markus, Olivier, Patrick (EVO), Philippe, Stefan, Thomas

Subjects

News

- Application Area Meeting [🔗](#) in the afternoon

Software Releases

Gaudi (Marco Cl.)

- Rewriting IInterface to have automatically generated queryInterface methods with good results.
- Problems in the slot dev preventing I/O tests to succeed. Bug reported to ROOT [☞](#).

LHCb, Boole, Brunel (Marco Ca.)

- Release done.
- Problem in the doxygen documentation because of a bug in doxygen (wrong external references).

Gauss (Gloria)

- Released
- LCG EvtGen Meeting [☞](#), Patrick presented for LHCb. We have a package that allows us to test only specific generators without picking up the whole GENSER.
- The new geometry for muon and beam pipe are not used yet because of problems, the new OT is in the pipe line for the next SQLDDDB

Thomas: we should start the production with the geometry as it is.

Marco Cl.: the new version of LHCb allows the easy set up the usage of local copies of the SQLite files (to avoid the problems with NFS servers). Stuart will have to know what to add to the production options.

Marco Ca.: there is a bug in the event packer concerning the track momentum error. It can be fixed in a patched version of Brunel, but the fix should be put in DaVinci too.

- Chris Jones working to run Gauss on OSX. He had to fix the Geant4 source installation, but there are other problems with the external libraries.

HLT (Patrick)

- Released v5r0
 - ◆ moving to configurables (almost completed)
 - ◆ Hlt2 uses the same reporting mechanism of Hlt1

Thomas: Is the HLT summary tool still functional or should it be retired?
Should be retired, but better check with Gerhard.

DaVinci (Juan)

- Released (small problems in the installation, but already fixed).
 - ◆ TisTosTobbing needed some changes that didn't make into the release, and they can be put in a patch version which can include the event packet fix too. Then we will need a test of the TTT to be run in the nightlies to avoid changes coming after the release.

Online (Markus)

- Released last week.

Panoramix (Thomas)

- dictionary problem (CINT ignoring "std")
- problems writing from the GUI: if a converter is missing, the error message is printed as INFO (reported as bug #33852 [↗](#), and forgot) and the event is not written at all. Markus said that is was explicitly requested at some point. Marco Cl. suggest a flag to allow writing even if some converters are missing.
- Chris Jones if working with Guy to get Panoramix work on OSX

Marco Ca.: at some point, we will need to release on OSX.

Round Table

Karol

- ◇ managed to build on SLC5 ia32, so we can start to run the nightlies on SLC5
- ◇ after the release of LbScripts, will use the correct case for project names instead of the all lower used now

Stefan

- ◇ LCGCMT 56 is almost ready
 - missing patched Boost
 - want to try new Python (2.5.4)

Hubert

- ◇ install_project.py: fixed a problem with LbLogin and the embedded MYSITEROOT
- ◇ LbScripts (v2r0):
 - working LbLogin cache
 - SetupProject has now the option --no-user-area, to ignore User_release_area
 - win32 fixes will come in v2r1

Marco Ca.

- ◇ The problem of stale locks in CVS is getting more common. It can be caused by the ssh access and/or the presence of the nightlies.
Stefan suggests to use the anonymous access, which never gave problems on SPI nightlies.
- ◇ Run successfully SLC4 Boole/Brunel SL5 (same output)

Markus

how serious is the move top VC9?
We are *really* moving to it, but not with top priority.

Philippe

- ◇ Rewriting the last 2 chapters of the computing TDR, those referring to the resources.
- ◇ We need to use the new units for resources.
- ◇ We need a task force (small group of people) to investigate and implement a measure of the resources used by a job that can be used to specify the queue length when submitting jobs to the grid.

-- MarcoClemencic - 23 Jan 2009

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