

## Minutes of the LIM meeting, Jan 23, 2007

Present: Emil Obreshkov (ATLAS), Florence Ranjard (LHCb),  
Andreas Pfeiffer (SPI), Stefan Roiser (SPI)

Apologies: Vasily Kabachenko (ATLAS), David Quarrie (ATLAS),  
Shahzad Muzaffar (CMS), Stefano Argiro (CMS),

### Actions:

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The release of the LCG\_49 configuration was released. LCG\_50 is in preparation, comprising in addition to a new version of COOL (2.0.0) with changes in the API, a new version of frontier\_client (2.7.0) which needs changes in CORAL (1.7.0) and an update of POOL (2.5.0). This (LCG\_50) is planned to be released asap (end Jan at latest).

Work is continuing on porting the nightly build scripts to windows, the first attempt to run everything in the windows shell failed, as python's os.system() call did not work in the scripts (invoking it manually in an interactive environment was OK). Now the scripts will be run in cygwin, calling the windows shell for all CMT related actions.

### Experiment feedback:

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LHCb has a problem with Gaudi/CMT on windows (when trying to use LCG\_49), so the uptake of this release is delayed. LHCb also reported a potential issue with a missing "-pthread" flag in the LCG\_Policy (to be checked) or GaudiPolicy.

Atlas plans to use LCG\_50 in their release 13 which is targeted to be used in the production starting second half of March.

LHCb reported problems with the use of tbroadcast: it reports always "success" (or "failure"), independent if one or more of the parallel builds fails or not. This is not useful.

Atlas found a problem with using distcc in their builds, when using it on several machines the build slows down dramatically after a while. Andreas noted that this may have to do with the load on AFS servers as some externals are not (yet) replicated, leading to a significantly larger number of AFS callbacks (an order of magnitude more!) which may cause the AFS server to respond slowly. A test was proposed to first time the build without any change. Then report to Andreas the LCG version used, he will then replicate all externals used, then check the timing of the build again.

Next meeting: Feb 8, 2007, 11:00.

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### Action items:

new and outstanding:

- \* discuss with Pere and the projects the "insertion" of scram-v1 buildfiles once the move to CMT is done. (Maintained by CMS members in the projects)
- \* set up web page to request creation of binaries for configuration/platforms
- \* check lcg-installation-manager.py to download each package only once.

\* prepare and circulate list of all external packages for review

\* create "LCGAA" pseudo-package for lcg-installation-manager.py to download the binaries of a related set of releases in one go.

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