Tuesday, 15 May 2018

LIM Minutes 15/05/2018 (CERN)

Present: Guilherme Amadio, Diogo Castro, Javier Cervantes, Ben Couturier, Juan David Gonzalez, Ilias Goulas, Gunter Folger, Gerardo Ganis, Patricia Mendez, Simone Mosciatti, Ed Moyse, Marcin Nowak, Rafal Pacholek, Graeme Stewart.

- **Preparation of the L&I Workshop**
  - Everything ready for the conference. Besides the technical aspects we will discuss at the workshop, Patricia has suggested to discuss also the future of this meeting. Any changes, ideas… shared in common will be applied for future meetings.
- **CVMFS news**
  - New hardware setups for both cvmfs-sft and cvmfs-sft-nightlies have increased the publication speed in a factor 6. Ben reported that the garbage collector still is being very slow. We are not affected by this fact, since we suppressed the automatic collector time ago, precisely to speed the publication time.
- **New packages, versions and compilers and the incoming LCG_94**
  - LCG_94
    - It will be announced by the end of this month. In the meantime root-v6.14.00-patches is ready and we will put it in dev3 deprecating any build with 6.12.XX
  - NXcalcs and tensorflow
    - Requested both by Diego. NXcalcs with python3 is already provided. We still need to provide tensorflow.
  - Webengine module of Qt5
    - We can the final confirmation of the BE team, that we can remove the mentioned module from our builds
    - In addition, the package qwt can also be removed.
  - gcc8
    - The compiler is ready and we will add it to both dev3 and dev4 builds. We cannot commit to provide this compiler in LCG_94 though, due to the large amount of packages that are failing at this moment
  - gcc62

  - Still waiting for ATLAS inputs, but in principle LHCb won't need gcc62 builds based anymore.
- ubuntu18
  - In phase of deprecation of ubuntu16 by LHCb, the experiment has requested the provision of builds in this OS. We will provide the mentioned builds through docker containers. There is already a VM in ubuntu18, which is under testing for the root team.
- clang6
  - We are ready to provide LCG_94 including this compiler as soon as a pending issue with one of the generators is solved. Rafal has sent an email to the Genser team
  - catboost has been removed from this builds. It will not enter in LCG_94 as part of the clang6 distribution.

- **ARM machines status**
  - We are still expecting the announcement of the next R&D meeting at IT which will treat about this topic.
- **Other topics**
  - Charles is having some problems to build COOL and CORAL with clang6.
    - NOTE: Issues resolved after the meeting
  - The latest requested platform for LCG_93a is completed and will be announced after the meeting
  - A HSF packaging meeting will be held tomorrow.