Minutes of the LIM Meeting
CERN, 28-February–2017

Present: Javier Cervantes, Marco Clemencic, Ben Couturier, Charles Delort,
Gunter Folger, Antonio Limosani, Pere Mato, Patricia Mendez, Marcin Nowak,
Emil Obreshkov, Martin Storo.
Notes: Patricia Mendez.

Topics treated during the meeting:

1. <u>**Releases**</u>

• We have agreed on an incoming LCG_88 for Swan use only (not required by
  the experiments) including: Vc, gdb, xrootd, latest ROOT version and adapted
  packages to Swan. This release won't be used by the experiments
  - • NOTE after the meeting: Python 2.7.13 has been requested by LHCb. no
    problems seen in experimental. Experiments have been contacted to add
    this version to the nightly builds.

2. <u>**Packages and compilers**</u>

• icc17 compiler available. CVMFS area mounted in all SFT machines, testes
  ongoing before the general announcement by OpenLab.
  - • NOTE after the meeting: The new compiler version has been announced.
• Provision of gdb in nightly builds and incoming releases —> Task completed
  - • The package has been installed in the LCG_87 CVMFS distribution.
    RPMs also distributed
• Provision of gcc6.3.0 in both AFS and CVMFS completed.
• New library requested by Ben: xgboost (0.6) —> Provided in the nightly builds
  after the meeting.
• Clang3.9 RPMS have been requested by LHCb and provided by Javier.

3. <u>Other topics</u>
• Deprecation of AFS:
  - • Nightly builds distributions stopped in AFS since 2 weeks.
  - • SFT phaseout status will be presented at the 1st AFS phaseout meeting
    at the IT: (1st March)
    https://indico.cern.ch/event/611193/
• Implementation of the architecture (specially for AVX2) requested by LHCb.
  - • Agreed with Marco, that the unique architecture that will be added for the
    moment it is AVX (no AVX2 enabled machines available for the moment)
    - • The creation of compiler wrappers will add the corresponding flag to
      the build.

- The RPM repo is still based in AFS. We need to synchronize it with the inputs available in AFS in order to move this element away from AFS. To be completed with Ben in less than 2 weeks.
- New Geant4 patch 01 for the Release 10.3 is now available. More information available under: http://cern.ch/geant4/support/Patch4.10.3-1.txt
- ATLANFR-1534. Limited views for machine learning packages from LCG_87 are now available in CVMFS for all platforms included in the mentioned release. Asoka needs however a 1 line script to source it up based on the release number.
- Pere and Martin: Martin has are lady set the GitHub organisation for ROOT. Once the access is ensured the associated repositories will be moved including the current approach for sw commits. This should be completed in 1 week.