

LIM, March 22, 2021

Connected: Andre Sailer (chair), Pere Mato, Omar Zapata, Ben Couturier, Serhan Mete, Ewelina Lobodzinska, Johannes Elmsheuser, Gunter Folger, Ilias Goulas, Andrei Kazarov, Guilherme Amadio, Ari Kraut, Gerardo Ganis, Marcin, Attila Krasznahorkay, Marco Clemencic, Giulio Eulisse, Ivan Razumov, Nicolas Lurkin,

Apologies: Oksana

Indico: <https://indico.cern.ch/event/1020908/>

Next meeting: April 12, 2021

Status of things

Nightlies

- Upgraded packages for the dev[34] and dev[34]python2 development builds
- New: builds on macOS 11.2 ([SPI-1846](#)), new package archspec ([I662](#))
- Upgraded: Geant4 10.7p01 (SPI-1833), xrootd 5.1.1 (SPI-1843), dd4hep 1.16 (SPI-1844), gperftools 2.9.1 (SPI-1847), rangev3 0.11.0 (SPI-1851), openloops 2.1.2 (SPI-1848, WIP), root 6.24-patches (dev4), curl (7.75) (SPI-1846)
 - For Python3 (SPI-1820): globus_sdk (2.0.1), cryptography(3.3.2)
- Recipe changes:
 - dbg: removed “LLVM_BUILD_TYPE=Debug” from Root builds
 - post-install script (replacing paths in files) re-written and sped up. Please let us know if there are any issues
 - gperftools recipe added “--enable-large-alloc-report”
- dev[34]Cuda
 - Nothing to report
- devArm
 - Nothing to report
- Johannes: Seeing crashes in since Friday (dev3) Saturday (dev4) in Atlas builds. Anyone else observing this?
 - Attila: Currently investigating, maybe issues with our Root dictionaries.
 - Marco: will also check our builds, but have an issue due to the update of Range v3.
 - Cannot say if there is the an IO problem as other issues in dev3.
 - Range V3 only at LHCb level

Releases

LCG_99_LHCB_5 ([SPI-1842](#))

- Done

LCG_97a(python3)_LHCB_5 ([SPI-1821](#))

- Done

LCG_98python3_ATLAS_8 (for generators) ([SPI-1849](#))

- Work in progress

LCG_98python3_ATLAS_7 (for generators) ([SPI-1822](#))

- Done

LCG_88b

Patch for superchic 4.02p1 being added [SPI-1794](#). Done

Preparing for LCG_100:

With the upcoming release of ROOT 6.24.00 the stakeholders are asked to voice their wishes for LCG_100 in [SPI-1799](#)

- Root plans to release middle of April, before April 15.
 - Fast Izma should be merged before that
- Desired Platforms:
 - ATLAS (Johannes): gcc8, gcc10, clang 10, and any newer clang or gcc
 - Attila: Maybe don't need clang 10 build, as we have our own build with a private clang. So clang 11 might be enough.
 - LHCb (Marco): gcc10, clang 11, gcc9 (maybe not needed)
 - enable-frame-pointer option, gcc11 may come too late to make use of this feature. Can a complete re-build of the stack be done?
 - Gerri: Can consider a special build.
 - Marco: need gcc 10.2 (probably this version?)
 - Gerri: Nightly or release?
 - Marco: Release would be better for us. Having this with LCG_100 would be good enough.
 - Johannes: This will be a separate build, and the default build will be without this option?
 - Gerri: Yes.

Other issues:

Spack Channel: invite only. Please send Email/Mattermost message to Ivan.

Alice:

Please invite Giulio to SPI Channels.

Atlas: Nothing else

LHCb:

Marco: will create ticket for adding *simdjson*. Seems to be the fastest on the market.

CMS: No Connection

SWAN: NTR

BE/NXCals: NTR

AOB: