

LIM, September 12, 2022

Connected: Dmitri, Andre, Johannes, Ben, Ole, Marcin, Nicholas Styles, Ewelina, Reiner, Andrei, Giulio,

Apologies: Marco, Gerri, Pere

Indico: <https://indico.cern.ch/event/1198427/>

Updates in nightlies/devs since the last meeting

- [SPI-2209](#) **Boost 1.80**
 - Added to dev4 for testing a week ago
 - Q: can we update dev3 with it?

Johannes: ATLAS is fine with the update.

Ben: will cross-check with Marco and let us know.

- [SPI-2213](#) Update **XrootD to 5.5.0**
 - There is a known issue: **The FUSE component in Release 5.5.0 will not start on most systems. If you depend on FUSE you should not upgrade to 5.5.0 and wait for 5.5.1.**

Johannes: please, do not add the latest it to LCG_102a

Andre: we explicitly disable FUSE component in xrootd configuration.

- [SPI-2212](#) Special nightly build for LHCb - **dev5lhcb** is set. It contains:
 - ROOT 6.24-patches
 - DD4hep compiled with GEANT4 units, and without DDG4

Ben: Unfortunetly pydantic is missing in the dev5lhcb. Will check if requirement for pydantic can be disabled.

Andre: will check if pydantic can be added as it was not initially part of 101 release which is used for dev5lhcb

Release and layers:

- Preparation for LCG_102a [SPI-2202](#):
 - ROOT 6.26.06 (08 with RadLen/IntLen fix for Geant4Units?)
 - with updated DD4hep
 - SPI-2193: Geant4, QT5 with xcb plugin
 - SPI-2203: xrootd 5.4.3 (with kerberos plugin build for cs9)
 - SPI-2204: spark 3.3.0 for swan
 - SPI-2195: updates needed for gcc12
 - SPI-2198: pytorch_cluster
 - SPI-2206: pytest-xdist
 - garfield++ with defined version(hash)

- SPI-2197: lcgenv CMAKE_PREFIX_PATH
- superchic 4.14p1 from 101_ATLAS_25/26
- A request from LHCb for a patch release 101a with the fix on computation of the radiation and nuclear interaction lengths to 6.24
 - <https://github.com/root-project/root/issues/11080>
 - fixed in 6.24/08 , 6.28/00, 6.26/08

*Ben: will give green line for the new tag once **dev5lhcb** is validated.*

- [SPI-2199](#) LCG_101_ATLAS_25/26 with Superchic 4.14
 - completed

items for discussion:

- Requests from ATLAS
 - to have 102a before the end of September
 - clang 15 is available, problems to build ATLAS on top of gcc11.
 - onnxruntime needs a newer version of binutils - 2.39

Johannes: there is no rush for 102a but it is nice to have asap.

Dmitri: No problem to provided binutils-2.39, will create a dedicated JIRA tickets.

- TensorRT in LCG stack:
 - TensorRT license (<https://docs.nvidia.com/deeplearning/tensorrt/sla/>)
 - create cvmfs/projects accessible to CERN community only.
- Atlassian change of license policy
 - A change in JIRA license agreement for CERN
 - An initial list of requirements will be provided via a survey. Interested users and/or instance managers should subscribe to the e-group "jira-requirements".
 - The survey is opened on 5th September for 3 weeks. ****Submission deadline in the week of 26th of September.**
 - SPI has a special licence and it will work up to 2024 (according to Ilias G.)

Johannes(ATLAS): Did not get an invitation for a survey yet

Dmitri: will contact Ilias if there is more information

After meeting: According to Danilo P the survey will be open on September 12

Roundtable

ATLAS:

TBB update? ATLAS will see in core software if update would be desirable

After the meeting: ATLAS is happy with the current version of TBB, no new features from latest version are needed

ALICE:

NTR

Next Meeting: September 26, 2022
