LIM, May 10, 2021

Connected: Andre Sailer (chair), Marco Clemencic, Johannes Elmsheuser, Guilherme Amadio, Ari Kraut, Oksana Shadura, Pere Mato, Serhan Mete, Omar Zapata, Andrei Kazarov, Dmitri Konstantinov, Gerardo Ganis, Ilias Goulas, Ben Couturier, Gunter Folger, Nicolas Lurkin, Edward Moyse

Apologies: Ewelina, Giulio

Indico: https://indico.cern.ch/event/1032990/

Next meeting: June 7

Status of things

Nightlies

- Upgraded packages for the dev[34] and dev[34]python2 development builds

  - Coral/Cool 3.3.7, bokeh 2.3.1, cloudpickle 1.6.0, dask 2021.4.1, node.js 14.16.1, ocaml 4.12.0, pillow 8.2.0, tblib 1.7.0, tornado 6.1, zeromq 4.3.4,

- devnxcals

  - updating: acc-py, pyTimber, jpype1, cmmnbuild_dep_manager, nxcals_extraction_api, nxcals_data_access_libs

- dev[34]Cuda, devARM: NTR

- contrib:

  - gcc 11.1 available

Johannes: Ticket for adding the "distro" package to nightly builds

Marco: networkx has a syntax warning with python 3.8

Andre: updated for python 3.9, not sure if in dev3 as well

Macro: adding gcc11.1 nightly build?

Andre: yes, as soon as we fixed some issue with the compiler, similar for clang 12

Gerri: What should we prioritize? gcc11 or clang12?

Johannes: clang is for cross-checks. Gcc8 is production compiler. Could skip gcc10 and go to gcc11

Marco: gcc usually has higher priority than clang. Any clang build for LCG_100, gcc11, clang 12

LCG_100

Clang11 ([SPI-1880](#)):

Andre: clang 11 build should be there within days.

gcc 10.1 instead of 10.3 ([SPI-1896](#)):

Marco: not a problem per se. But new packages should be build with new version 10.3

Andre: Gcc10 link updated last week. If there are observed problems we can rebuild

Marco: Not sure if there could be a problem with ROOT.

RPMs ([SPI-1890](#), [SPI-1891](#)):

Gerri: Pipelines did not set INSTALL_DIR (already missing in LCG_99). Workaround exists but will be fixed for the next release.

Johannes: ATLAS at least not affected by the packages mentioned in these tickets

Gerri: Problem with the previous post-install, not affecting binary installations, but RPMs. Will fix the post-install. Will also fix the broken RPMs and call them LCG_100_…-101 to artificial increase release number.

Andrei: Does this only affect specific platforms?

Pere: can affect many platforms and packages, depending on when they were build

gcc10fp ([SPI-1904](#)):

Same issue as for the clang11 build, some txt file hasn't been updated.

Marco: are the RPMs for the compilers available?

Dmitri: Ivan created them yesterday, so they should be available.

LCG_100arm ([SPI-1893](#)):

RPMs are also build, small issue with the compiler RPMs

Releases

LCG_100_LHCB_5/_6 ([SPI-1872](#), [SPI-1877](#))

No comment

LCG_100_ATLAS_1 ([SPI-1881](#))

Johannes: As far as can tell it works

LCG_100_ATLAS_2 ([SPI-1889](#))

Johannes: As far as I understand, still under discussion?

Andre: Yes, need to update recipe for MCTester to add HepMC3 flag. Should we add the distro package to it?

Edward: Yes, let's us test this

LCG_88b ([SPI-1886](#))

Pythia8 patch still pending

LCG100_nxcals

Is out and being updated

Other issues:

SLC6: stopping support

python2 support?

Maybe needed for NA62, reduce to necessary packages

python3.9:

Tensorflow release candidate added, now more tests are failing

Alice: NTR

Atlas: Nothing more

LHCb:

Marco: compilers. Clang11 build against gcc 11.1?

Dmitri: yes, the latest one

Marco: DDG4: Would it be possible to deploy DD4hep without DDG4 and only DDG4?

LCG build of dd4hep is not usable for LHCb because it uses a Geant4 that cannot be used by LHCb. So that DD4hep can be installed without Geant4

Gerri: Will discuss internally. Open a jira ticket to track.

CMS: No Connection

NA62: Nothing to report

SWAN:

Omar: LCG_100 is working fine for SWAN

BE/NXCals: No connection

AOB:

Next meeting on June 7