

LIM, 23 Jun 2020

Vidyo only meeting following CERN directives to face coronavirus crisis.

Present: O Zapata, D Konstantinov, A Kazarov, E M Lobodzinska, P Mato,
G Ganis (chair), G Amadio, I Razumov, G Folger, B Couturier, I Goulas,
M Clemencic, R Bachmann, E Moyse, O Shadura, M Nowak, R Hauser

Agenda: <https://indico.cern.ch/event/932313/>

Next meeting: 7 July 2020

Status of Things

Nightlies

New/upgraded packages

Spark 2.4.6-cern1, CMake 3.17.3, EvtGen 2.0.0, Delphes 3.4.3pre02, several updates in pyexternals (to fix dependencies) .

Additional processes in Openloops 1.3.1 (to be used in special layers for whizard 2.8.2).

ROOT 6.22-patches in dev4; restored ROOT HEAD in dev3.

Included patches to build Gaudi v33r1 with ROOT >= 6.22.

DD4hep HEAD in dev3.

LCG_97a

ROOT v6.20/06 was finally available on June 11th. The core layers of the release were [available](#) on June 17th, build for CentOS7, gcc 8,9, clang8,10, python2,3; Ubuntu 18 (native, gcc8).

The package content changes can be obtained from [LCGInfo](#) .

The following builds are in the pipeline:

- LCG_97a_LHCb_1 and LCG_97apython3_LHCB_1
Layers with LHCb specific needs
- LCG_97a_ATLAS_1
Layer with ATLAS needs described in [SPI-1571](#)
- LCG_97a_FCC_1
Layer containing a working version of whizard and latest Delphes for future collider studies

- LCG_97apy3cu10
Cuda 10.1 layer

CentOS8, Ubuntu 20, initially considered, won't be build for 97a but prepared for 98 (too many little changes).

The same holds for gcc 10, but ROOT 6.20/06 does not support gcc 10, because of a series of concatenated reasons related to runtime modules (CMS managed to build switching off runtime modules).

AoB

RPMs for clang 10 and gcc 10

Following the LHCb request, RPMs for clang 10 and gcc 10 are made available in the new official area for contrib RPMs.

LCG_98 preparation

An epic has been created: [SPI-1637](#) . LHCb requested that it contains details about the packages which are added/updated/removed.

O Shadura reported that the ROOT tag 6.22/00 is ready, though not yet announced. LHCb reported a blocker under examination by the team ROOT ([ROOT-10872](#)); this means that a new tag on 6.22 is required before start building LCG_98rc1 .

Update of old releases

ATLAS requested to have the just released latest version of HepMC2, version 2.06.11, in LCG_88 ([SPI-1563](#)). After some discussion it was agreed to branch LCG_88b with the new versions and to build it for centos7, gcc62, {opt,dbg}. RPMs will also be provided.

Additional LHCb requests

Mails from SPI comments are not delivered (action: Ilias Goulas).

The request for having the Git commit hash of the nightlies available is being addressed by a dedicated [LCGJenkins branch](#).

Compilers

Cuda 11 is available under contrib.