LIM, October 23, 2023

Connected/present:	André Sailer (Chair), Bertrand Bellenot, Johannes Elmsheuser, Attila Krasznahorkay, Reiner Hauser, James Catmore, Andrei Kazarov, Nicholas Styles, Dmitri Konstantinov, Marcin Nowak, Marco Clemencic
Apologies:	Stefan, Giulio
Indico:	https://indico.cern.ch/event/1327600/
Next Meeting:	November 6, 2023

1 Nightlies

As usual Andre started the meeting with the updates of the nightly builds. For the stacks and platforms, the macOS 11 builds were disabled. macOS 11 is out of support since September 26, 2023. The CentOS Stream 8 builds were replaced with AlmaLinux 8 builds, which concerned dev3, dev4, dev3cuda, and dev4cuda. For devswan the platform x86_64-el9-gcc13-opt was added.

A handful of new packages were added in the nightly builds as well. Java version 17 was provided in the contrib area. in devswan java 11 was updated to 11.0.20.1 (SPI-2426). We were asked to add pyroscope (SPI-2429), and protobuf2 2.5.0 (SPI-2445). Protobuf 2.5.0 was added as a new package, so it doesn't interfere with the other protobuf version. ATLAS commented that the request from the ATLAS NSW should maybe have gone through the ATLAS software team first.

To include zfit (SPI-2447), a number of other packages were added as well: colorama, colored, colorlog, frozendict, jacobi, numdifftools, ordered_set, py-xxhash, xxHash, texttable, zfit_interface.

For the new devswan platform we switched htcondor to 10.5.1 (SPI-2444), and updated pcre2 to 10.42 everywhere. Finally, jl_ijulia was updated 1.24.2 (SPI-2430) to fix issues caused by an update of julia itself.

We made imagemagick explicitly depend on libxml2, to avoid a stack vs. system package mismatch otherwise (SPI-2443).

ATLAS brought up that they are investigating the use of NVidia Triton for ML Inference as-a-service, and would require the Triton client, which depends on the grpc package, which was in the LCG stacks a long time ago. It was confirmed that Triton client is licensea compatible to be added to the LCG stack.

2 Releases and Layers

With respect to releases and layers, LCG_104a ([SPI-2412](#)) was released. LCG_104b ([SPI-2440](#)) was released on platforms for ATLAS, as well as the ATLAS layers on top of this release LCG_104b_ATLAS_1/2 ([SPI-2441](#)). For the previous layers LCG_102b_ATLAS_29/30 ([SPI-2422](#)) was also prepared, as well as some updates for LCG_88b ([SPI-2423](#)).

3 Other Issues

With respect to other issues, the general consensus about the dcap package ([SPI-2446](#)) was that this was not needed to be maintained for EL9.

The issue of extra dependencies used in the aarch64 stack ([SPI-2432](#), [SPI-2433](#)), was discussed, including after the meeting. In the end only the RPM compression was changed to something supported by CentOS7, as zstd is available in the usual repositories for EL9

4 AOB

4.1 ATLAS

ATLAS thanked the SPI team for the prompt-turnaround for LCG_104b, which was required for the upgrade to EL9.

ATLAS also brought up the discussion about oracle features in ROOT, which as discussed on the email list. No-one present was aware of any use, and it was decided to disable the features in the nightly builds. This change is tracked in [SPI-2450](#).

4.2 LHCb

NTR

4.3 ROOT

Bertrand reported that ROOT is planning to release 6.28/10 and 6.30/00 by the end of the week, but that currently a blocker for CMS still exist.

ATLAS inquired whether 6.30/00 would include all the developments for RNTuple. But I have not noted down in my notes what the answer to this questions was.