LIM, May 6, 2024

Connected/present: André Sailer (Chair), Dmitri Konstantinov, Ewelina Lobodzinska, Johannes Elmsheuser, Marcin Nowak, Marco Clemencic, Reiner Hauser

Apologies:

Indico:

Next Meeting: June 3, 2023

1 Nightlies

As usual, the meeting started out with an overview of the changes in the nightly builds. The package Seaborn was updated to 0.13.2 for Swan (SPI-2552). RooUnfold was updated to version 3.0.1, and the coverage flags were patched out (via Email).

In the Python 3.11 stack (SPI-2493), pydantic was updated, but downgraded to 1.10 again for requirement issue from other packages. Two packages were added annotated_types, pydantic_core. The testing for this stack was fixed, and now 50 packages report errors for missing dependencies or import issues, which requires further updates.

2 Releases and Layers

Next, the discussion turned towards releases and layers.

- LCG_105b_LHCB_Core,7 (SPI-2548): LHCb stated that they had no time to look at this stack yet.

- LCG_105b_ATLAS_1,2 (SPI-2549): ATLAS remarked that they probably won't need this in the end, and they rather directory go to LCG_106 with ROOT 6.32

- LCG_104d_ATLAS_15,16 (SPI-2550): ATLAS said that the stack looks good so far.

3 Other Issues

3.1 Parallel Publication ([SPI-2538](#))

SPI noted that instead of splitting by platform, which would have allowed maximum parallelisation at the cost of changes in the folder structure, they will try to split by stack (dev3, dev4, etc.). It was noted that it might become desirable to split stacks in opt and dbg (dev3dbg, etc.). LHCb remarked that they would like to keep their platforms together, which should be possible given the specific LHCb stacks (dev3lhcb, etc.).

3.2 Madgraph Showering Interface ([SPI-2537](#))

It was noted that enabling the showering interface to Pythia in Madgraph would need hepmc2 and pythia in madgraph. But this interface is external and no longer maintained. ATLAS stated that they are not using this interface.

It was thus decided to not enable this feature.

3.3 LCGInfo Migration to Alma9 ([SPI-2555](#))

SPI explained that during the migration of the lcginfo website to an Alma9 based host an unexpected issue arose, that lead to an unexpectedly long downtime.

3.4 Boost 1.85 ([SPI-2559](#))

It was agreed that the update for Boost would this time first appear in dev3 and once things were working also to dev4.

3.5 HEP_OSLibs removing telnet

On the behest on Andrea Valassi, Andre informed the LIM about the change in HEP_OSLibs.

3.6 Ubuntu2024

A brief discussion was held around the urgency of supporting Ubuntu24 in the nightly stacks. The consensus was that for the people present it was of not too much concern.

3.7 GCC 14.1

The discussion for including the new GCC 14.1 compiler, mostly turned around which c++ standard to use. In the end the consensus was that c++23 was not feasible in particular because of CUDA compatibility. It was said that it would be good to have this for LCG_106

4 AOB

4.1 ATLAS

NTR

4.2 LHCb

NTR

4.3 ROOT

4.4 ALICE

4.5 NA62