WLCG HEP-SCORE Deployment Task Force
Meeting on 01 June 2022 at 14:00 h UTC (teleconference)
Notes

Indico event page: https://indico.cern.ch/event/1104204/

Welcome, note-taking, notes from previous meeting, matters arising

The minutes from the previous meeting are approved; thanks to Matthias Schnepf for having provided them.

Progress on workloads (Domenico Giordano)

Domenico presents the bullets he attached as minutes to the agenda:

- The validation of the Atlas reco WL is ongoing. There is good reproducibility of scores so far (see plot). Soon a script E will be available with this WL ("the last script"!).
- The Alice scriptDv2 has been distributed (it includes Alice gen-sim + IGWN). It was noticed for the Alice gen-sim-digi that some O2-sim-* processes could remain pending after the singularity ends. This occupies memory (see plot) and the processes had to be manually killed. This motivates a request for sites: please check that after the execution of script Dv2 no spurious processes remain ("ps -ef | grep alice" and "ps -ef | grep O2-sim").
- The Alice gen-sim-digi-reco container has been prepared and succeeds in the standalone mode . This solves the past problem of the missing libraries, forcing the cvmfs snapshot area. However, a number of software improvements are expected to be included in the Alice software in the near time, which would improve overall performance of the reco stage. Domenico proposes to wait for these improvements before creating an official Alice gen-sim-digi-reco. As a consequence, the HEPscore candidates will be studied only with Alice gen-sim.

Stefano Piano comments that the tag for the new gen-sim-digi-reco workload is in preparation and is expected next week. He adds that he could investigate the issues in gen-sim-digi, but suggests that this is probably not needed. Domenico Giordano agrees that it is not necessary to investigate this further. He adds that having the new workload next week would be enough, taking into account that all workloads should be ready by the end of June. Helge Meinhard proposes that a strict deadline for Wednesday 8 June should be set for the new workload. Stefano Piano agrees with this proposal.

Helge Meinhard notes that script E will be the last candidate script for HEP-SCORE2022, but there will certainly be newer scripts to be considered later on.

Status of benchmarking campaigns (Gonzalo Menendez Borge)

Gonzalo presents the slides attached to the agenda, giving an update on the status of the benchmarking campaigns. The end of the campaign is nearing. All sites have finished SPEC and most sites have finished script C. The new scriptDv2 has been distributed (including ALICE gen-sim-digi and gravitational waves) and data has already been received from 3 sites.

Helge Meinhard thanks Gonzalo and all sites involved in this campaign and encourages sites to keep up the work on this area.

Any other business

Helge Meinhard reports that two dates had been proposed for the Workshop, either Thu-Fri 15-16 or Mon-Tue 19-20 September 2022. The doodle poll which was circulated was not conclusive as both options received the same number of votes. Taking into account other meetings and considerations, Helge proposes that we fix the Workshop dates to Mon 19 and Tue 20 September. Domenico Giordano suggests that the Workshop should be an important occasion to reach out not only to the members of the HEPIX Benchmarking WG, but also to the computing coordinators and other experts in the experiments, who may have not yet been involved in this process so far. Helge Meinhard fully agrees and notes that specific invitations will be sent. Domenico Giordano adds that this will be a mixed meeting, in-person with videoconferencing available, but suggests that people should try to join in person if possible.

Helge Meinhard reports that as of today he has moved from the IT Department at CERN to the unit that reports directly to the Director of Research. While he would like to continue following this activity, he notes that he will no longer be able to lead this Task Force. He reports that, after discussion with Simone Campana and key members of the TF, the TF will from now on be led jointly by Domenico Giordano and Randall Sobie. Helge Meinhard thanks for their collaboration all members of the TF, who thank him in return.

Next meeting

Already scheduled for 15 June 2022.

Annex: Attendance

Present:

Miltiadis Alexis (CERN)
Domenico Giordano (CERN)
Michel Jouvin (IJCLab)
Helge Meinhard (CERN, chair)
Gonzalo Menendez Borge (CERN)
Gonzalo Merino (PIC)
Stefano Piano (INFN Trieste)
Matthias Schnepf (KIT)
Randall Sobie (U Victoria)
Andrea Valassi (CERN, notes)
Josh Willis (Caltech)
Tony Wong (BNL)
Yan Xiaofei

Tommaso Boccali (INFN Pisa)
Simone Campana (CERN)
Ian Collier (STFC-RAL)
Alastair Dewhurst (STFC-RAL)
Andrew Melo (Vanderbilt U)
Bernd Panzer-Steindel (CERN)
Fazhi Qi (IHEP)
Oxana Smirnova (U Lund)
Jeff Templon (Nikhef)

Apologies:

Walter Lampl (U Arizona)