

WLCG HEP-SCORE Deployment Task Force

Meeting on 17 March 2021 at 15:00 h UTC (teleconference)

Notes

Indico event page: <https://indico.cern.ch/event/992815/>

Welcome, note-taking, notes from previous meeting

The minutes from the previous meeting are approved. Thanks to Tony Wong for preparing them.

No comments on minutes from previous meeting.

Non-HEP workloads (Domenico Giordano)

JT: what is a synthetic benchmark. Domenico: targeted at specific aspect of processor or machine. Andrea: see <https://jimgray.azurewebsites.net/BenchmarkHandbook/chapter9.pdf>

Covers today non-HEP-SCORE payloads for the Suite.

JT: “few adaptations” on HS06, doesn’t that invalidate the history? Domenico: no. It’s just collecting more information, the score is the same and the flags too.

CPU 2017 can be reconfigured to run in non-HEP-specific (standard) mode. Links to preliminary config files are in the slides, invitation to check them and comment. HS06 was patched to run on ARM. No 32 bit version of ARM.

JT: how can CPU2017 be so well correlated with HS06?? Domenico: when we say 2017, it’s not the standard SPEC 2017, it is a subset of only the C++ parts of CPU2017. Even subsets of the eight C++ benchmark subset seem to be okay, give same information as the complete subset of eight.

Slide 11: invitation to sites to try the HS06 or CPU2017-HEP (the subset named above) – recipe included.

Helge: so we are in good shape with non-HEP. Domenico: yes, there is more we could do, but manpower is limited, adding is judgement call about added value of yet another benchmark.

Any other business

DUNE workload presentation still coming, aside from this we’ve had them all. We’re getting close to having a full basket of workloads, next step is to start collecting machines (types of machines) to run the benchmarks on.

Next meeting

Concerning Future meetings: default 7 Apr, 21 Apr, 05 May, 19 May, 02 Jun, 16 Jun

Question : move 7 April to 31 March? Easter.

19 May is week of vCHEP, may be difficult?

JT: 5 May is a National Holiday in the Netherlands

Michel : why not wait a bit to decide about May

Domenico: a Doodle? Michel: over the top. Helge: will send mail on the Group.

Annex: Attendance

Present: JT, Helge, Domenico, Michel, Bernd, Fazhi, Gonzalo, Manfred, Oxana, Randall, Walter, Andrea Valassi, Stefano Piano

Present:

Manfred Alef (KIT)
Domenico Giordano (CERN)
Michel Jouvin (IJCLab)
Walter Lampl (U Arizona)
Helge Meinhard (CERN, chair)
Gonzalo Merino (PIC)
Bernd Panzer-Steindel (CERN)
Stefano Piano (INFN Trieste)
Fazhi Qi (IHEP)
Oxana Smirnova (U Lund)
Randall Sobie (U Victoria)
Jeff Templon (Nikhef, notes)
Andrea Valassi (CERN)

Apologies:

Josh Willis (Caltech)
Tony Wong (BNL)