



New benchmark and accounting workflow

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Migration to the new benchmark. Some considerations (1)

- We need to support transition from HEP-SPEC 06 to HEP-SCORE 2x
- Transition to HEP-SPEC 06 was more straightforward since a single conversion factor could be applied for all sites. Therefore from the accounting point of view the transition could be done in one go
- While planning transition to a new benchmark we should also keep in mind future support for non-x86 CPUs, GPUs,...

Migration to the new benchmark. Some considerations (2)

- Transition from HEP-SPEC 06 to HEP-SCORE 2x will be a gradual process. Might take few months.
- During these months sites which have introduced a new benchmark and those which have not will coexist on the WLCG infrastructure.
- Need to follow up the migration progress and be able to account CPU consumption using both benchmarks in parallel without mixing them

WLCG Accounting Task Force meeting in February

- Attended by the representatives of the LHC experiments, WLCG and EGI operations, representatives of the APEL and EGI accounting portal development teams and WLCG HEP-SCORE Deployment Task Force
- Main question which has been discussed is whether we should foresee support of parallel use of both (old and new) benchmarks
- Everyone agreed that we need to support two benchmarks in the accounting workflow during the transition period
- EGI and WLCG will do the transition to the new benchmark at the same time and will coordinate this transition together
- Most of work would be required from the APEL development team. This is up to them to decide which implementation to choose (options will be described in the Adrian's talk).
- We have ~ till the end of this year before actual transition happens, but should not wait for it and start to implement required modifications to be ready when the transition starts
- More details : <https://indico.cern.ch/event/1010346/>

Components which will require modifications

- APEL client. (Adrian's presentation)
- APEL repository. (Adrian's presentation)
- EGI accounting portal.
 - Changes will be required to show consumption with both benchmarks. Changes required in the DB schema and in the UI, but not too complicated and should not take long.
- WLCG Accounting Utility (WAU).
 - WAU will provide a possibility to show which sites enabled new benchmark and compare consumption using two different benchmarks.