



HEPscore in the accounting
system. Operational strategy

HEPscore Workshop

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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

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
- EGI and WLCG will perform the transition to the new benchmark at the same time and will coordinate this transition together

Components which will require modifications

- APEL client and APEL repository. More details in the presentation of Adrian Coveney.
- ARC and HTCCondor
 - have to support consumption reporting using both benchmarks
- 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.
- Meetings with all parties involved have been held and required changes agreed with the development teams

Deploying HEPscore in production (1)

- When the composition of HEPscore is considered to be ready to go in production, what's next?
- WLCG operations in collaboration with EGI and OSG operations will launch the deployment campaign
- For EGI , sites will be ticketed via GGUS and the progress will be followed up
- Consumption using both benchmarks will be reported to the accounting system and the UI allowing to compare results will be provided

Deploying HEPscore in production (2)

- During transition period, HS06 will stay an official benchmark and official accounting reports will be generated using HS06
- In parallel, CRIC will be modified to generate accounting reports using HEPscore
- Both sets of reports will be sent around, so people can compare results for the sites/federations which enabled a new benchmark
- At the point when the majority of sites will enable HEPscore, accounting reports generated with HEPscore will become official and after few more months generation of reports based on HS06 will be stopped. Changes in the EGI portal will be made to show only consumption using HEPscore benchmark

Questions?