



Follow up of the WLCG Accounting Review

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Proposal to setup an Accounting Task Force

- The main outcome of the review is to setup a WLCG Accounting Task Force
- Main area of activity is CPU/Wall Clock accounting. The highest priority task.
- Storage Space accounting should be also addressed in particular of what concerns understanding of the requirements of the experiments and sites.
- Stakeholders whose needs related to WLCG accounting to be considered:
 - LHC experiments
 - WLCG sites
 - WLCG management
 - Funding agencies

Mandate

CPU/Wall clock accounting

- to agree with all stakeholders on the content of the accounting portal and accounting reports (metrics, units, aggregation in terms of time and set of attributes like site, VO, country, etc...);
- coordinate with APEL and accounting portal development team and follow up on the progress
- validate the new version of the portal, ideally a dedicated customized UI for WLCG, and make sure that the requirements of the stakeholders are addressed
- validate accounting data, ensure that it is correct in the APEL repository and manual fixes could be avoided
- follow up of on whether/ how we enable injection of the opportunistic resources to APEL and accounting portal
- coordinate with sites which provide their resources through cloud interfaces making sure that their resources are properly published in APEL. Debug corner cases when they are not properly published

Storage space accounting

- agree with the experiments and sites on the functionality which is required for the WLCG storage space accounting system considering the use case of the high level overview of the total and available space

Membership

Representatives of the

- LHC experiments
- WLCG sites
- WLCG operations
- WLCG Monitoring team

Time line (1)

June

- Fixing accounting reports
 - *Exclude installed (available) capacities from the accounting reports. They should still be recorded in REBUS and visualized by the REBUS UI*
 - *Consolidate the CPU accounting data in the reports. Use normalized wall clock metric instead of normalized CPU for comparison with pledges. Wall clock should be expressed in HS06-days both for T1 and T2 reports.*
- Check with the sites which provide their resources through private clouds that their usage is properly published in APEL

June-July

- Validate data in the EGI accounting portal by comparing it with the experiment-specific accounting systems. Debug sites which show big discrepancy
 - *As a first step we need to understand whether we have consistent data for non-normalized wall clock multiplied by number of cores (June)*
 - *If at this level data is consistent, the problem might be caused by the normalization. Understand which normalization mechanisms are used by the experiments and sites, what can be improved , etc... (July)*
 - *If the problem is proven to be caused by normalization, follow up with the benchmarking working group (August)*

Time line (2)

Beginning-mid of June

- Confirm with the sites, experiments and WLCG management the set of metrics and views in the accounting reports

Mid of June – end of July

- Evaluate of the new version of the EGI accounting portal
- Coordinate with the developers of the portal to make sure that all requirements are addressed and possible bugs are fixed

August

- Final validation and coordination with stakeholders to make sure that their concerns are addressed and the new version of the portal satisfies their needs

Time line (3)

June-July

- In parallel with the CPU/Wall clock accounting tasks get an agreement with the experiments and sites on the functionality which is required for the WLCG storage space accounting (the high level overview of the total and available space)

August

- Propose next steps for implementation of the WLCG storage space accounting system