



Summary of discussion on integration of the accounting of the non-pledged resource into APEL Meeting 09.03.2017

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Experiment perspective

- All experiments apart of ALICE would like to have usage of non-pledged resources to be integrated into APEL
- All experiments do account these resources in terms of wallclock time, but currently no benchmarking performed. LHCb and ALICE have more concrete plans regarding benchmarking based on db12. For ATLAS and CMS possible scenarios are being discussed.
- LHCb manages non-pledged resources via VCYCLE and VAC and would prefer to use their native APEL reporting rather than retrieve data from the experiment-specific accounting systems

Site perspective (based on CERN input)

- Sites might be also interested if usage of additional (mid-SLA) resources would be exposed in the central accounting system

Various aspects to be addressed

- Describe these resources from the topology point of view. CRIC could be a solution
- Define how accounting report to APEL is generated. There are several alternatives :
 - Enable resource provider to generate a report
 - Inject information from the experiment accounting system into APEL (smry records)
- Benchmarking
- Tagging those resources in order to indicate that they are non-pledged resources, even though they can be provided by T1 or T2 sites. Ivan suggests to use “Infrastructure” attribute in the report.
- Make sure that we avoid double counting.
- Agree on the policy against which site these resources are accounted. For example, it could be either site which provides HW where jobs are running or site which sets up an entry point to those resources. Ensure that we implement proper mapping of usage vs site in our data flow according to the agreed policy.

Next steps

- In order to prototype data flow and necessary changes in the portal we need to chose some real use case
- Andrew suggests to use Yandex cloud
- CERN 'mid-SLA' resources can be another candidate