

Minutes of Information System Task Force, 8th January 2016

Local: Maria Alandes (chair, minutes), Maarten Litmaath, Julia Andreeva, Ulrich Schwickerath.

Remote: Stephen Burke, Alessandra Forti, Andrew McNab, Alessandro Paolini, Alessandra Doria, Steve Jones, Alessandro di Girolamo.

Apologies: Andrea Sciaba.

Agenda available in Indico

<https://indico.cern.ch/event/471965/>

1. Definitions

Maria presents the status of the ongoing discussion in the TF about reviewing the definitions of number of logical CPUs and benchmark values. She reminds that this is done to be able to get correct values published for the relevant GLUE 2 attributes (GLUE2ExecutionEnvironmentLogicalCPUs and GLUE2BenchmarkValue). Maria reminds that sites are still publishing the GLUE 1 recommendations that WLCG gave at the time in the Installed Capacities document (https://twiki.cern.ch/twiki/pub/LCG/WLCGCommonComputingReadinessChallenges/WLCG_Glue_SchemaUsage-1.8.pdf). At that time, sites were also constrained by the one CE-one subcluster-one cluster publication needed by WMS. This is not needed today and can simplify the way sites publish this information.

Some of the sys admins that are present at the meeting explain that for sites it is easier to publish one cluster of heterogeneous resources and publish average values of number of logical CPUs and benchmarks. Alessandro confirms that at least for ATLAS, average values are enough for what this information is used. Ulrich explains that in the case of CERN, median values could be more useful since there are a very high number of different HW types and this could be more realistic value.

Maria explains that GridPP has a very useful publishing tutorial (https://www.gridpp.ac.uk/wiki/Publishing_tutorial) that could be reused by WLCG to give sites clear instructions on what to publish in these variables. It is agreed that this could be reviewed for GLUE 2 and WLCG and prepare something similar. It is also agreed that it would be useful to document the benchmark process as well. Even for those sites that use the HEPIX tables for benchmark values, it has to be reminded how to properly use these tables.

Alessandro proposes to have a new service type in GOCDB/OIM that will allow sites to configure these values properly. The technical details will be discussed with the developers, since an API to be able to update these values in an automatic or regular way would be needed. In this way, we would

decouple the configuration of this information from the CE type (as it is the case today), and moreover, stop relying on the BDII to publish this information.

Action items:

- *Prepare a twiki for WLCG sites to document how to publish Logical CPUs, benchmark values and relevant attributes, based on GridPP Publishing tutorial (Maria Alandes)*
- *Implement a new service type in GOCDB/OIM to define the Execution Environment with relevant attributes like Logical CPUs, benchmark values and any other relevant information (Maria Alandes with GOCDB/OIM developers)*

2. News on the new WLCG IS

Julia explains that CMS computing management has been contacted to understand their interest in the new IS. For the time being, CMS needs more time to understand the benefits of this. Julia also talked to ATLAS computing management who is happy to support the effort to extend the development of AGIS to become a more generic tool. Maarten explained that for ALICE there is limited interest but that in case this is done, ALICE will be interested in using it. Andrew explains that LHCb is not interested in the new IS. Julia explains that the new IS is interesting for Monitoring and Operations as well.

Julia mentions that until there is not clear interest from at least CMS, the new IS won't be presented at the MB. She plans to organise a meeting with relevant CMS experts and AGIS experts to follow up on CMS interest. Any progress on this will be reported at the TF.

3. Information System in the WLCG workshop

Alessandra explains that there is a joint session with Information Systems, Accounting and Benchmarking. 1h40 in total. She would like to have three different parts for each area and find common topics that overlap among the three areas to be discussed. She would like to have a 5min introduction in each area to start the discussion. Julia explains that we should use the WLCG workshop to bring up the situation with the new IS. Stephen Burke also reminds that the GLUE 2.1 extensions for Cloud could also be something to be mentioned. Alessandra will contact the speakers of the three areas to start preparing the material to be presented and discussed.

Action items:

- *Prepare a first draft of the 5min presentation for Information Systems to start discussing in the TF (Maria Alandes)*

4. Next meeting

No meeting scheduled yet. It is very likely that it will take place after the WLCG Workshop in February.