Minutes of Information System Task Force, 8th December 2016

Local: Maria Alandes (chair, minutes), Maarten Litmaath, Julia Andreeva, Marian Babik, Ryu Sawada, Andrew McNab.

Remote: Alessandro di Girolamo, Oxana Smirnova, George Ryall, Marcelo Soares, Giuseppe Bagliesi, Stephan Lammel, Balasz Konya, Oxana Smirnova.

Excused: Alberto Aimar.

Agenda available in Indico

https://indico.cern.ch/event/575249/

1. **GOCDB v5.8**

   George presented the details of the latest release of GOCDB v5.8 that was moved to the production instance on 07.12.2016. There are no sites for the time being willing to use the writeable API immediately so there are no reasons to believe there will be a big impact on GOCDB service during the next weeks including Christmas. Andrew mentions that some UK sites relying on VAC resources may give this a try. Andrew asks whether WLCG is planning to write some scripts to populate GOCDB with more attributes as discussed so far in the TF. Alessandro adds that it would be indeed very useful to have more information in GOCDB and that AGIS can have a parallel collector to consume this information once this starts to be available. Alessandro is worried that maybe GOCDB needs more service types to be able to describe information like HS06 per subcluster. Julia mentions that once CRIC is available, maybe WLCG doesn't need to push sites to put information in GOCDB but instead this could be entered directly into CRIC.

   Action items:

   - *Clarify whether sites supporting LHC VOs could publish information needed by WLCG directly in CRIC before starting to push sites to publish more static information in GOCDB (Julia).*

2. **Proposal to introduce extended attributes in GOCDB**

   Maria explains that sites now have the possibility of moving more static information in GOCDB. For this reason, it's necessary to agree on the name of the attributes that could be published as it has been discussed recently in the mailing list. This has been described so far in https://twiki.cern.ch/twiki/bin/view/EGEE/CRICInfoSources#Services . There is general agreement to adopt GLUE2 attributes although it is agreed to get rid of the *GLUE2* string in the name of the attributes to make this simpler. It is also agreed to rely on the official GLUE WG Service Type list (https://github.com/OGF-GLUE/Enumerations/blob/master/ServiceType_t.csv) to have

the same way of naming service types. This allows to use the same service type name in GOCDB and also in WLCG (it's good for downtimes, for instance).

Action items:

- *Have an active participation in GLUE WG, in particular in the definition of new Service Types (Maarten)*

- *Test GOCDB extended properties with a few selected UK sites belonging to both ATLAS and LHCb, making also the necessary modifications in AGIS and DIRAC to consume the new information from GOCDB. Evaluate the need for defining new services if needed to be able to include information like HS06 (Alessandro, Alessandra, Andrew)*

3. **VOfeed followup**

Maria presents the slides where open issues have been summarised by Marian and where experiments have given input during the week before the meeting.

- Optional attributes: It is agreed that experiments will provide a new version of the VOfeed containing queue names. There is a discussion on whether all queues should be listed but only some would be tested by making use of a *IS_DEFAULT* attribute. Only ATLAS would like to include production and non production queues, as job dashboard also uses the VOfeed for this information. Since the other experiments only include one production queue in the VOfeed, CMS suggests that non production queues are marked with a special attribute instead.

- Hosting and Maintenance of ALICE VOfeed: Maarten volunteers to take this over from CERN IT Monitoring team. Maarten will contact Pablo and discuss this offline.

- Hosting of CMS VOfeed: Stephan is happy to take over the hosting of the VOfeed until CRIC is in place, however he would like to discuss offline with CERN IT Monitoring team whether CMS VOfeed will be still used by SSB and in that case whether it makes sense that CERN IT Monitoring team hosts both SSB and CMS VOfeed.

- Production and non production: experiments summarise the contents of their VOfeeds, how they are produced and whether they contain only non production resources.

  o Marian asks ATLAS whether they could document in an official way what it is presented in the slide, as this could be also useful to the sites.

  o CMS would like to separate production and non production, since this is now mixed in VOfeed and VOfeed is used for Accounting. Marian explains that in SAM3 there is already a mechanism to publish a web page with a list of production resources. This is already used by ATLAS. Stephan believes it would be good to be able to mark production and non production resources in the VOfeed and he suggests whether Marian can propose something, document it and let experiment play with this feature.

Action items:

- *Experiments to provide a new version of the VOfeed containing queue names (All experiments concerned, Marian to follow this up)*

    - *Agree on whether IS_DEFAULT attribute or some other mechanism will be used to differentiate production queues from non production (Marian)*

- *Clarify maintenance and hosting of ALICE VOfeed (Maarten)*

- *Clarify hosting of CMS VOfeed (Stephan)*

- Document a new optional attribute to differentiate production and non production resources (Marian)

4. CRIC and VOfeed

There is a discussion on whether CRIC will provide the VOfeed as it is now, and Alessandro confirms that this will be the case. However, he explains that this will be the case for experiments which rely on the experiment CRIC. Julia reminds that there is the lightweigtht experiment CRIC for ALICE and LHCb, and Alessandro confirms that indeed, this will be used to generate their VOfeeds but that will require some involvement and effort from those experiments as well. Maarten mentions he could take over the ALICE lightweight experiment CRIC. Maria asks if there is a similar enthusiasm in LHCb to take over the LHCb lightweigtht experiment CRIC but there is no formal commitment for this at the meeting.

5. Next Meeting
To be decided earlier next year.