Contribution ID: **160**   Type: **not specified**

EMI Data, preparing for the finish line

Tuesday, 27 March 2012 14:00 (30 minutes)

Conclusions

This presentation will briefly describe the achieved goals but will primarily focus on the work EMI Data is facing for the rest of its projects lifetime, including the design of the common EMI data client libraries, the new gLite File Transfer Service (FTS3) and our efforts in consolidating http(s) and WebDAV as well as providing a first version of standard based federated storage.

Impact

As the EMI software stack is the main component of the Unified Middleware Distribution repository, all improvements and enhancements within EMI Data will be of direct benefit for the large number of cummunities supported by EGI. Especially the fact that there are well established and trustful channels between EGI and EMI guaranties fast feedback of requirements back from EGI directly to the EMI product teams.

Overview (For the conference guide)

The European Middleware Initiative is completing its second year. While during the first year, the focus has been on the successful integration of the various components of the four middlewares into a single distribution, the second year was dominated by finishing important developments in order to make the EMI bundle compliant to standards and more convenient to install, configure and to operate.

Description of the Work

Nearly all objectives of the first year of EMI-Data have been achieved and the feedback from the first EMI review has been very positive.

Internet standards, like WebDAV and NFS4.1/pNFS have been integrated into the EMI set of storage elements, the already existing accounting record has been extended to cover storage and the synchronization of catalogues and storage elements has been designed and implemented within gLite.

The consolidation of the ARC and gLite data access libraries into the EMI-Data-Lib has been making good progress and the new library will be used as one of the building blocks for the improved File Transfer Services (FTS3), which is designed and implemented on top of the experience of operating the current FTS for years in production.

Furthermore, the close collaboration between EMI and EGI resulted in a very positive feedback from EGI and the subsequent creation of a set of new objectives focusing on the EGI acceptance of the EMI software distribution.

Primary author: Dr FUHRMANN, Patrick (DESY/dCache.org)

Presenter: Dr FUHRMANN, Patrick (DESY/dCache.org)
Session Classification: Data Technologies