Ahmed Shiraz Memon (FZJ) *Editor*
Ivan Marton (NIIF)
Gabor Szigeti (NIIF)
Laurence Field (CERN)

EMI Registry Development Plan

Overview

This documents describes the overall development plan of the EMI Registry product, the plan focuses on the realisation of the EMI Registry specification as defined in the document. It is understood that during the course of the development phase the specification will likely evolve and the changes will be fed into the specification document.

Time-lines and Sprints (Release Iterations)

I. First Iteration - 30.09.2011

The first sprint incorporates the initial prototype, this includes the following:
1. Evaluation and getting acquaintance with the development tools
2. Setting up the source code version control
3. Design REST-ful URIs
4. Provide basic registry operations - Create/Update/Delete/Read service description over the REST API (JAX-RS) and database layer (MongoDB)
5. Provide X.509 based authentication
6. Include full JSON support
7. Include full compliance with the GLUE2 service model
8. Elementary user guide for installing and running the registry
9. Prototype: Hierarchy of parent and child domain registries
10. Provide software distribution as "tar.gz" archive
11. Exposing registry API in Web Application Description Language (WADL) format
12. Deployment and user testing

II. Second Iteration - 15.12.2011

The second iteration incorporates the following features and functionalities:
1. Refine the functionalities defined in the first iteration
2. Full support for managing the registry hierarchies
3. Support for group/vector operations on insert, update and delete
4. Authorisation of service providers/information sources using Argus PDP and VOMS attributes
5. Acting on the user feedback, required from the previous iteration
6. Integrate EMI Services (UNICORE, dCache, gLite, ARC)

III. Third Iteration (Final Release) - Planned with EMI2 release - 15.03.2012

As this iteration will contain the final hence the emphasis will more on the already mentioned functionalities rather than new features, however include the evolving requirements during the user testing.