

Workplan for the first year

The well established relevant standard for the the specification of the characteristics and status of Grid entities is Glue. The latest available specification is Glue v. 2.0, which has been published as OGF Proposed Recommendation, and which is going to be widely deployed in the reference production Grid infrastructures.

Although most existing components of A-REX based ARC CE, together with the ARC Compute client, already comply in general with Glue2, its adoption must be finalized: this will be done in the first project year.

gLite job management services, instead, still refer to Glue 1.3: work will be done to support in these job management services (in particular in the matchmaker module of the Workload Management System) the v. 2.0 specification: this is also planned to be finalized by the first project year.

The current UNICORE version 6.3 already offers GLUE2 compliant information about the compute part through its Information Provider component and as part of the OGSA-BES implementation. However, since there is no official XML GLUE2 rendering available, the UNICORE GLUE2 support will have to be adjusted once the official OGF GLUE2 rendering document is published.

Implementation

CREAM CE

In the CREAM CE supporting Glue 2.0 means integrating the relevant Glue 2.0 compliant *gLite-LRMS-utils* modules (which in particular provide the information providers, which should support the Glue 2.0 specification). The issue is that the maintenance and evolution of these software components are not part of EMI.

Francesco Giacomini is checking within the gLite consortium if/how the relevant partners can continue the work.

-- MassimoSgaravatto - 06-Sep-2010

This topic: EMI > EmiJra1T2Compute_InfoStandard

Topic revision: r2 - 2010-09-08 - MassimoSgaravatto



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