Grid Resource Allocation Agreement Protocol

GRAAP-WG working session #2

Tuesday, 20 September, 2011

Lyon, France

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GRAAP Sessions at OGF32

September 20, Location: St Clair 4

- Session 1   09:00 – 10:30 Group discussion on the state of the group, state of the documents, WS-Agreement Negotiation implementation plans, Plans for RESTful rendering, Other topics

- Session 2 14:00 – 15:30 RESTful rendering for WS-Agreement (this session)

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Agenda

- Brief presentation of work planned/recently started at University of Dortmund

- Discussion

- Planning

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RESTful Rendering

- Three approaches

  - HLRS (1)

  - TU Dortmund (2)

- Should the group evaluate/compare them?

- Should we start with discussing requirements?

- The most mature implementation seems the one already done at TU Dortmund

  - Use this implementation as base?

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New RESTful Rendering

- Work recently started at University of Dortmund

  - Implementing a RESTful version of WS-Agreement to offer a more lightweight and versatile facilitation of WS-Agreement than the proposed SOAP-based interface.

  - Using the REST-approach SLAs and SLA-templates can directly be treated as resources in the context of HTTP-queries.

  - The implementation itself is being realized using the RESTlet framework and the JEE-environment.

  - For validation and communication purposes we adhere to the standard WS-Agreement format as described by the respective XMLSchema. With regards to URL-mappings we take an approach compliant to the work by Kuebert et al.

  - Roadmap: Until End of next week a Standalone-Implementation des Interfaces. +1 working week for core features: Validation, Persistierung, querying von SLAs.

  - Platform/Language: Under evaluation. Potentially Spring/Grails.

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Discussion & Planning

- Decision

  - Start with rpc-style approach

    - post operation with full agreement template

  - Follow with detailed RESTful implementation for incremental Agreement creation when rpc-stype spec in complete

  - Decide during implementation about the granularity of the RESTful endering

- Send this decision to mailing list and potential stakeholders to get feedback especially for the need on RESTful incremental agreement creation

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