OGF-25 session report

Distributed data access and management with OGSA-DAI (1 and 2)

Monday 2nd March 2009 – 09:00-10:30
Monday 2nd March 2009 – 11:00-12:30
Leopardo

Session chairs: Mike Jackson and Mario Antonioletti

In the first session Mike Jackson gave a 1.5 hour introduction to OGSA-DAI, its workflow based approach to data access and integration, examples of projects that use OGSA-DAI and the relationship between OGSA-DAI and OGF's DAIS working group and its WS-DAI specifications.

There were approx. 20 attendees and a range of interesting questions were raised concerning such issues as OGSA-DAI's support for unstructured files, performance compared to JDBC, ease of implementation of the SEE-GEO scenario, will WS-DAI supercede OGSA-DAI, OGSA-DAI compliance for gLite. Some of these e.g. extending OGSA-DAI to other platforms, supporting various types of files and performance and scalability issues are already the concern of phase 4 of the OGSA-DAI project which starts in April 2009.

In the second session there were four invited talks from projects who use or extend OGSA-DAI. Again, this session had approx. 20 attendees.

Carlos Buil Aranda of UPM gave an overview of the ADMIRE project's use of OGSA-DAI and AIST's WS-DAI RDF implementation.

Isao Kojima gave an overview of AIST's work as a user of OGSA-DAI in the GeoGrid project and as a developer of OGSA-DAI/DQP in looking at supporting RDF resources and Sparql, distributed query processing across relational, XML and WebDB resources. This, in addition to developing WS-DAI-RDF as part of the OGF WS-DAI working group activity.

Mike Jackson of EPCC gave a presentation on behalf of EPCC's BEinGRID project team on their work in extending OGSA-DAI to develop components for use in BEinGRID's business experriments and, subsequently, of generall application to businesses. This included a GUI-based installation (or data publisher) tool for GOSA-DAI and an OGSA-DAI SQL trigger which allows OGSA-DAI workflows to be executed in response to changes (e.g. insertions, deletions, updates) in a database table.

Finally, Mark Hedges of Kings College London gave an overview of the LaQuAT project. This is a collaboration between the Centre for e-Research and Arts and Humanities Social Science Research Centre at KCL and EPCC and is focusing on using OGSA-DAI's

workflows, SQL views and DQP components to provide access to epigraphical databases containing meta data about classical artefacts e.g. Roman legal texts or Greek papyri.

The continued interest in OGSA-DAI by projects in a range of areas (e.g. environmental science, geo-sciences, the arts and humanities and in business) and the continued interest in these projects in both using and extending OGSA-DAI provides a valuable community which the OGSA-DAI project will seek to engage as it moves from being an open source product to an open source project over the coming 12 months.

On behalf of the OGSA-DAI team, Mike Jackson would like to thank Carlos, Isao and Mark for kindly agreeing to present their work to OGSA-DAI,. Craig Thomson of EPCC for preparing BEinGRID slides, the session attendees and the OGF-25/EGEE User Forum organisers for allowing us to have a session at OGF-25.

Mike Jackson, The OGSA-DAI Project
michaelj@epcc.ed.ac.uk
http://www.ogsadai.org.uk .