DAIS Working Group Session Update to Community GGF10 – 11/03/2004

Dave Pearson

Co-chair

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Agenda

- Introduction

- Review of Activities to Date

- Changes made to Grid Data Services Specification: Simon Laws (20 minutes)

- Data Management   Brian Collins

DAIS Working Group Charter

- Promote standards for the development of Grid database services
- Focus principally on providing consistent access to existing, autonomously managed databases.
- Not seeking to develop new data storage systems
- Provision of composable components to ease application development
- Make existing systems more readily usable individually or collectively within a Grid framework.

DAIS Working Group Goals

- To identify and document the requirements of database and information management applications within a Grid setting.

- To develop a proposal for a standard interface for grid database services.

- To work with other groups within the GGF to ensure that the database service standard proposal conforms with other emerging Grid standards.

- To foster the development of reference implementations of Grid database services.

Activities Through To GGF9

- GGF4
  - BOF - draft nature and scope of DAI, Requirements identification
- GGF5
  - Updated requirements
  - Data access and management services
  - OGSA Grid data services
  - Distributed Query Processing & Security (Spitfire)
- GGF6
  - Scope of requirements
  - Draft GDS specification
- GGF7
  - Finalised Requirements
  - Updated GDS Specification
  - Updated GGF5 document on data services
- GGF8
  - Updated GDS Specification – revised conceptual model
  - Topic based discussions – Data sets, metadata
  - Out of scope topics – Files, co-existence between Web & Grid services
- GGF9
  - Core specification with Relational & XML realisations
  - Files topic discussion
  - Information dissemination discussion

Post GGF9 Activities

- Specifications
  - Document restructuring
  - Focus on semantics
  - DAIS requirements for CGS-WG
  - Resolving non-mapping issues

- Mapping DAIS to WSRF and other WS-* models

- Continued community involvement
  - Fortnightly Telcons
  - Face-to-Face San Francisco 26-27th January
  - Use Cases

Further GGF10 DAIS sessions

- Session 1(4): Discussion of Implications of WS-Resource [Norman Paton to Chair] 11-04-2004 16:00 – 17:30
  - 1. Implications for OGSA Data Services: Allen Luniewski (30 Minutes)
  - 2. Representing DAIS Functionalities using Emerging WS-Standards:
  - Panel (60 minutes)
- Session 3(2): Specification Realisations [Norman Paton to Chair]: 12-04-2004 08:30 – 10:00 Senate
  - 1. Relational Realisation: Susan Malaika (40 minutes)
  - 2. XML Realisation: Amery Krause (40 minutes)
  - 3. Summary/Plans (10 minutes
- Information Dissemination-WG Charter Discussion BOF 12-04-2004 10:30 – 12:00 Senate
- Session 4(3): Information Dissemination [Dave Pearson to Chair]: 12-04-2004 14:00 – 15:30   Senate
  - 1. Data Distribution: Chris Kantarjiev (90 minutes)

Documents Produced for GGF10

- CIM Database Model for Data Access and Integration Services: Scenarios

- DAIS Usage Scenarios

- Information Dissemination in the Grid Environment

- Grid Data Service Specification

- Data Service Specification: The XML Realisation

- OGSA Data Services

Face-to-Face meetings

Future possible meetings:

- 25-26th March   Manchester
- Post GGF11

OGSA-DAI
Reference Implementation

- Release 1.0 – Jan 2003
  - Basic functionality
  - Based on GT3 preview 4
- Release 2.0 – Mar 2003
  - Runtime compatibility with GT3 alpha 2.0
  - Asynchronous delivery
  - GridFTP based data transport
- Release 2.5 – Jun 2003
  - Runtime compatibility with GT3 Beta
- Release 3.0 – Jul 2003
  - Runtime compatibility with GT3 production
  - DQP prototype
  - End of phase scope delivered
  - >1000 downloads
- Next Phase – DAIT
  - Funding approved for further 24 months development
  - Starts October 2003