GlobalGridForum

Leading the pervasive adoption of grid computing
for research and industry

GGF-15 Closing Plenary

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Agenda

- General Overview

- Standards Council Highlights

- Community Council Highlights
  - Community Sessions
  - Use Case Repository

- Area/Group Highlights
  - SAGA – Shantenu Jha

- Wrap-up

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Standards Highlights

David Snelling
Vice Chair Standards

Arch Area Highlights

- OGSA driven WG's making excellent progress
  - WS-Naming, ByteIO, and BES very close to putting documents in public comment

- OGSA WS-Man Basic Profile design team membership established

- RNS interactions with OGSA nearly complete

- OGSA-EMS/CDDLM/ACS working model established

Compute Area

- Welcome Ramin Yahyapour as new AD for Compute Area
- OGSA-RSS-WG
  - OGSA Resource Selection Services Working Group held their first WG session at GGF15 and hit the ground running
- GRAAP-WG
  - WS-Agreement specification submitted to GGF Editor and should be in public comment soon
  - Now turning to advance reservation and co-allocation problems
- OGSA-BES-WG
  - Making great progress and should have OGSA-BES spec into editor pipeline real soon (November)
- JSDL-WG
  - Answered public comments on JSDL Specification 1.0 and will be back with editor end of next week
  - Planning roadmap for future JSDL specs
- GSA-RG
  - Use-case document has been submitted and is currently in public comment
  - Makes progress on requirements definition on middleware functions for Grid scheduling

GGF15 Data Area Highlights

- Great Effort
  - DFDL, INFOD, OGSA-D held intensive F2F meetings
- Done
  - OGSA-Data Architecture Stimulating & Shaping
  - GridFTP and GSM daily production interoperation
  - GSM 2 specs
- Ready
  - WS-DAI 3 specs, DFDL 2 prototypes
  - GridFTP ready for full standard recommendation
  - Byte IO 2 specs ready, GFS spec ready
- New
  - Data Movement Interface: BoF $\Rightarrow$ WG
- Future
  - Integrate Work of WGs
  - Expand the Community, Identify likely recruits
  - More and Better Outreach

Security Highlights this GGF

Site Infrastructure Integration workshop

Lots of conversations with other groups/areas
> Life Sciences, OGSA Data, SAGA, GFS, SRM
> Security Area appreciate notifications about security focused use cases

Security Interworking BOF
> Communication of pairwise interworking agreements
> EGEE<->OSG, OSG<->TeraGrid, NAREGI<->EGEE

International Grid Trust Federation

Celebrated formal beginning of CA accreditation group

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Community Highlights

Robert Fogel
Community Vice Chair

GGF15
Community Council Highlights

- Campus Grids Workshop – hosted by Harvard University
- eScience and Cyberinfrastructure – The Middleware Challenge, Tony Hey
- Leveraging Site Infrastructure for Multi-Site Grids
- Security and Privacy Needs of Health Grids
- Community Roundtable Discussion
- New Technologies for Science Portals
- Building Geographical Information System Grids
- Web Services Performance: Issues & Research
- Use of Web Services for NM Applications
- The Open Middleware Infrastructure Institute
- User Management and Access Control within the Grid
- Provisioning & Managing Switching Infrastructure as a Grid Resource
- "Grid - Where Worlds Collide" – Grimshaw keynote
- OGSA-DAI Community Technology Update
- Building a Java Service Using the Globus Toolkit v4
- Grid Requirements, Roadmaps and Use Cases

Community Council Next Steps

- We will build web pages based on GGF15

- We will put out a call for communities, tutorials and workshops

- We will solicit involvement from other application domains, communities
  - *We will also go to their meetings, rather than just inviting them to ours*

- We will plan and put together the proposed Grid technology and applications best practice tracks

- We are soliciting comments on all aspects of our activities

- All workshop proposals should include marketing suggestions

GGF Use Case Repository: Motivations & Goals

- Use cases are an established part of the standards process used to define the essential motivations for a standard
  - Use cases can be relevant to many different technical areas
  - Important insights gained from looking across many use cases

- Understanding fundamental requirements is necessary to define technology roadmaps that are used, in turn, to define the investment of resources for the further development
  - This argues for the organized management and exploitation of use case information

- Make GGF Use Cases Easier to Find and Digest
  - Use Cases represent a significant part of GGF's intellectual value.
  - Maximize their value by making them as easy to use as possible.

- Capture ideas, issues, viewpoints from this mini-workshop

- Decide future directions

UCR Sessions Agenda

- The GGF Use Case Repository
  - Steve Crumb (GGF), Andre Merzky (Vrije U.)
- Report from the Enterprise Grid Requirements WG
  - Toshiyuki Nakata (NEC)
- Report from EGA on enterprise grid requirements
  - Paul Strong (EGA Technical Chair)
- NAREGI Use Cases
  - Kazushige Saga (NII/NAREGI)
- Use Case Drivers for a Cancer Research Grid
  - Shannon Hastings (BMI/OSU)
- Panel : "How to Manage Technology Roadmaps"

UCR Prototype Screenshot

Will go public later this month

Group Highlights

Simple API for Grid Applications Research Group (SAGA-RG)

- Officers: T. Goodale, S. Jha, A. Merzky
- Goals
  - High level application developers, e.g. physicists, chemists, biologists, wish to make use of the possibilities offered by the grids, but are often frustrated by the plethora of available technologies, the complex APIs (where available) and the rapid evolution.
  - They wish to concentrate on their science and have little time or interest in learning about Grid technologies and the best way to make use of them.
  - The SAGA group is developing a high-level API which abstracts the underlying middleware and allows such developers to grid-enable their applications easily, allowing them to make use of the distributed resources available to them without such a steep learning curve.
  - The SAGA API aims to be as easy and natural to use as possible, and available in a range of languages, such as Fortran, C, C++, Java, etc.

SAGA-RG

- ## Session 1:
  - Discussed Use Case Feedback [6 groups; more please]
  - Sync with GridCPR, GridRPC; presentations

- ## Session X: Informal F2F with GFSG.
  - Discuss SAGA Roadmap. Bit-flip ready?
  - Use Cases from non-scientific areas
  - OGSA compatibility.

- ## Session 2:
  - Strawman API document to stay as 1 document.
  - Progress on API discussion (Task and Async notification models)

SAGA-RG (soon to be WG?)

- Session 3:
  - First steps towards flipping the bit
  - Discuss "new" charter (re-charter), milestones
  - F2F at SC05 [estimate 10 people]
  - Continue strawman API discussions

<\Group Highlights>

Wrap-up

Thank You!

See you at GGF-16 in Athens