GGF9 OGSA-WG Overview Session
Oct. 06 2003, 10-11:30 Sheraton 4
Attendees: 98
Minutes: Lisa Childers, Andreas Savva

Ian Foster, Intro
- Thanks to Hiro for leading progress
- Review of the GGF Intellectual Property Policy, all attendees sign document
stating that they've read the policy
- Overview of the GGF OGSA-WG Charter
- Slide on OGSA-WG active members
- Activities after GGF8
    o Two f2f meetings
    o Weekly teleconfs
    o Mailing list
    o GridForge as mechanism for doc exchange, archiving and issue
      tracking
        ▪ 5K page views in gridforge in September
- Two focused sub-groups in OGSA-WG
    o Program execution (led by Andrew Grimshaw)
    o Logging System (led by Bill Horn)
        ▪ Decided to do a BoF at GGF10

    Both sub-groups have setup separate teleconfs (Monday & Wednesday)

- Major Tasks
    o The OGSA document
        ▪ Chapter level structure
            • Service taxonomy for users
            • Service hierarchy for providers
            • Service description for each service
        ▪ Latest version is 12, doc lives on gridforge
        ▪ Need critical feedback from the community
    o The OGSA use-case document
        ▪ More than 16 use cases
        ▪ Latest version is 18, doc lives on gridforget
    o Cross-WG discussion
        ▪ OGSA-WG charter
            • Define each service at high level (not actual API spec)
            • Define relationships among services
        ▪ Coordinate & orchestrate related WG/RG
            • Invite OGSA-related WG/RGs to OGSA-WG session
        ▪ Starting at GGF9 and will continue at GGF10 & GGF11
        ▪ ---
        ▪ OGSA-WG goal is to listen

- Make sure that vision is consistent with invited WG/RG's work
  - Four cross-WG sessions scheduled for GGF9
    - Data
    - Program execution
    - Core
    - Platform

Fred Maciel, OGSA Service Classifications
- OGSA Service Taxonomy
  - Services classified by purpose and functionality
  - User's view of architecture
    - Program execution
    - Data services
    - Core services (includes services shared by data and program exec)
    - Domain-specific services
    - OGSI, WS-Agreement, CMM are pervasive
      - These may not be services on their own.
  - The OGSA Hierarchy
    - Organizes services according to relationships
      - Uses: access interface to use functionality
      - Extends: gets functionality by extending portTypes
    - Provider's view of architecture
    - Platform service (CMM, OGSI, etc. used through the "extends" relationship)
  - Both classifications are still being detailed
    - OGSA Services (taxonomy)
    - Platform services
  - Questions:
    - Is this OGSI data services or OGSA data services? OGSA.
    - What does "extends" mean? ogsi (wsdl1.2) portType extension
    - What is real use in system of hierarchy/taxonomy? Way to define architecture. Note that the composition model is still in the initial/exploratory stages.

Jeffrin Von-Reich, OGSA use-cases scope
- How use cases will be used
  - Use case-> analyze & extract->evaluate & prioritize requirements->dispatch
  - Develop profiles later on (to address specific areas)
- Previous use cases
  - Science grid
  - Commercial
  - Grid technologies
- New use cases (e.g. Interactive grids)
  - Some from existing WGs; others not.

- Non-WG UCs add new requirements to OGSA.
    - New name: Interactive grids (to host interactive apps, as opposed to batch apps, etc.)
    - Interactive grid domain
        - Requirements
            - Remote desktop, security, session mgmt, monitoring, real-time schedules, staging data
    - Intergrid
        - Grid across multiple companies that agree to collaborate
        - Interoperability with web service stds
        - Mixed operating environments (mainframes to laptops)
        - Apps that are not grid enabled
    - Grid lite
        - Extends grids to small devices (layer 2 devices)
        - A set of essential grid services (profile) for PDAs for example
        - Grid client has to be of smaller footprint and more efficient
    - Reality grid
        - Aims to predict the realistic behaviour of matter based on the properties of the microscopic components
    - Resource Usage service
    - Application (p2p)
        - Pc grid computing
        - File sharing
        - Content delivery
    - Others
- More use cases info
    - OGSA Functions impacted by new use cases
    - Unexplored OGSA functions
    - OGSA Services impacted by new use cases
    - Unexplored OGSA services
- Next steps
    - Use UCs to define a roadmap to describe how services are developed/rolled out
    - Re-write new UCs using template
        - Please use template when submitting UCs
    - Identify functional requirements & move to individual WGs
        - Cross WG sessions to address issues
- Call to action

Discussion
- Malcolm
    - How to engage other groups
    - It is difficult(take long time) to coordinate with wgs at this level (requirements); WGs have their own momentum.
- Jay

- It is the intent of the OGSA-WG to engage other groups to participate in the working groups in order to scale
  - Some work already done with wgs; proceeding well where there has been detailed discussion.
- Need to choose a good set of services to start with
  - Look at detailed definitions
- Prioritization of requirements/factorization must be done in OGSA.
  - It is easier to influence direction (of other WGs) if we get involved at an early(earlier) stage
  - OGSA is not going to do everything; identify what needs to be done and an appropriate WG that will do it.
- Grid services vs web services, jay
  - The good news is that web services is adopting grid service functionality
    - The set of OGSA use cases we have and the set of web service use cases will come together
  - It is an interesting time to watch grid and web services come together
  - Malcolm notes
    - We might watch to eliminate redundancy of work in the web and grid service standards world
  - Jeff: If this work (relation of core elements in grid) is not done in ogsa other bodies might try to address this area. (e.g., oasis)
  - Ravi: UC to be used as validators of OGSA design
  - Darren Pulsifer: Have you looked at NPi UCs?
    - Jeffrin: Looked at them. Don't think that anything was missed, but please contribute if something is missing.
  - Does WS community have a set of UC to identify similarities with Grid?
    - WSA and also WS requirements doc exists; seems more general (than OGSA) at this moment.
    - wsdm and cmm example. Common use cases.
- Savas: what if the web services community doesn't adopt the stds that ogsa needs. e.g., SDE proposal adopted(discussed) only in small part.
  - Hiro: OGSA is not just OGSI. It is built on top of OGSI at the moment because that's what's available. But we do not depend on ogsi. Might refactor/re-target later as lower concepts/mapping evolves.
  - Dave: About SDEs, the task force adopted as much as feasible at the moment.
- Unknown questioner: What is the relationship btw GGF/OGSA-WG and OASIS?
  - Jeff Nick: work is underway to clarify(formalize) this relationship; may not be a strict workgroup-to-workgroup mapping
  - Might end up having jointly sponsored wgs
  - They are interested in OGSA as architectural framework
  - It is still an open issue where it is best to form a WG

- Unknown questioner: What roles and relationships should be driven by which body (for instance: Use cases and arch patterns)
  - Jeff Nick: We'll take this as a todo
- Dave Berry: we are not encompassing the whole of GGF in the scope of work covered by the OGSA-WG
  - Dave Snelling agrees, and suggests that if GGF groups are not collaborating with the OGSA-WG then they not use the "OGSA" prefix (branding)
- Malcolm makes the point that we need to understand the meaning behind the words we use
  - Andrew says yes, we are creating a glossary