EGR-RG Session

GGF13
15th March 2005
Co chairs
Ravi Subramaniam (Intel)
Toshiyuki Nakata (NEC)
Secretary
Satoshi Itoh（AIST）

Agenda

- Note taker assignment
- Status of the Group
- Discussion about the document

Status of where we are

- On GGF12, had a good WG and a Workshop
  - Definition of Enterprise Grid..
    - Start with a broader scope. No group in GGF focused on requirements of the entire spectrum.
    - At some point decide on what to focus. We need to collect usecases. Look for patterns in the usecases.
  - On Usecases decided to do the following.
    - Collect the documents from workshop's talk. (Nearly done)=>How to turn them into usecases format (Needs to be done).
    - Collect other Speeches given in various speeches made in the Crowne Plaza.
    - Use OGSA usecases also. Ravi to upload the current usecases http://forge.ggf.org/projects/egr-rg.

GGF12 Workshop Contents:

- Session 1
  - "Aim of the Workshop" Toshiyuki Nakata (NEC Corp)
  - "Intra-Enterprise Grid", Jikku Venkat (United Devices)
  - "The evolution toward assured grid services", Nigel KJ Dye (British Telecom)
- Break 30 minutes
- Session 2:
  - "Grid Portals", Karsten Gaier (NICE srl)
  - "Business Grid Project - Objectives & Key Technical Issues - ", Nobutoshi Sagawa (Hitachi)
  - "Enterprise Grid Challenges - A Perspective", Ravi Subramaniam (Intel)
- Workshop summary, Ravi Subramaniam (Intel)

Then what happened?

- Nearly no post and no input….
- Ravi and Robert Worked on the template..
- So today's agenda.
    - Discussion on the Template
    - Planning

Discussion on the Template

Enterprise Grid Requirements – Research Group

(egr-rg@ggf.org)

Use Case Template

- *This is a template for submitting use cases to the EGR-RG. We solicit your active participation to submit use case so that we can build the requirements for standardization efforts in the Grid. Your contributions are valuable. Please submit your use case(s) and/or any suggestions that you may have to improve this template or process to egr-rg@ggf.org. Thank you!*
- *Co-chair: Ravi Subramaniam (ravi.subramaniam@intel.com)*
- *Co-chair: Toshiyuki Nakata (t-nakata@cw.jp.nec.com)*
- *Secretary: Satoshi Itoh (satoshi.itoh@aist.go.jp)*

1 Use Case Title

- *1.1 Abstract/Summary*
  - Provide a brief description of the use case. Address the salient aspects of the use case

- *1.2 Keywords*
  - List the keywords for this use case so that they may be used in a search

- *1.3 Category*
  - Define taxonomy to categorize this use case
    - *Scope:* Business process, tool, domain application, infrastructure
    - *Organization Type*: Company, university, national lab,
    - *Deployment type*: Intra-organization, Extra organization, Inter-Organization, Internet
    - *Production status*: Experimental, Production
    - *Existing implementation*: Implementation available, expected implementation
  - Target perspective

- *1.4 Perspective*
  - Describe the perspective bought to the use case
  - **1.4.1 Individual**
    - IT person, IT manager, End user, Developer, Architect, Researcher (new grid technologies)
    - **(How about)Infrastructure Manager and Application Manager ? (TN)**
  - **1.4.2 Organization**
    - Adopter, Seller (software, hardware), Solution provider, Consulting, Research and/or Development
  - **1.4.3 Industry vertical or segment**
    - Specify the type of market or focus. Some examples can be pharmaceutical, financial, CAD, gaming, home entertainment, content distribution, etc. Try to use recognized terms for the segment that this use case applies to.
  - App type: CAD, risk analytics, etc.

- **1.4.4 Expectations**
  - This is an explicit statement on the tone of the use case. The use case will be written with the expectation in mind but this section explicitly states the expectations.
    - Expectation of new usage, i.e. this is what I will be able to do that am not feasibly able to do today
    - Change in usage from current usage to different/new usage, i.e. this is how I do it today and this this how I expect to do it differently/better.
  - The use case is a pattern that applies in many scenarios and has many aspects that need to be standardized.

- *1.6 Scenarios*
  - Organize the use case into scenarios. Each scenario should clearly identify the
    - *Actors*
    - *All resources and resource types that come into play. Are resource distributed (global vs local), dedicated vs shared, real vs virtual etc*
      - Discuss the resources and their types (if your definition of resources is broad then specify that). Mention/describe the resources used. Highlight the primary resources (e.g. data and network in a data oriented use case)
    - *Capabilities and services*
    - *Interactions*
    - *Flow of control (if any)*
    - *Pre-requisites*
    - *Infrastructure assumptions*
    - *Non functional aspects: security considerations, performance expectation, scalability required*

- ## *1.7 Goals*
  - Highlight the specific goals of this use case.
  - ### *1.5 Motivations*
    - What is the use case trying to achieve? What problems is it solving or attempting to solve? What constituency is this targeted at?
    - *The biz value: lower cost, greater efficiency, new value to cust, increased reliability, sharing of resources*
  - ## 1.7.1 Problems
    - Discuss what the known problems with the particular use case are. This will lead to discussion where Grid is expected to help. Examples of problems could be: Cost, significant manual overhead, there are no acceptable solutions, impedes time to market etc.
  - ## 1.7.2 Benefits or Value
    - Explain the possible or available benefits of the use case. For example will this reduce the TCO in the datacenter, increase user productivity, improve compliance to legal obligations, decrease the turnaround time etc.

- *1.8 Standards*
  - Explain how standards can help. What are the specific areas where standardization will he useful? Are there any known standards that are available or in development that can apply in specific scenarios? Have any of the current standards been applied? Where did they help and where were they lacking?

- *1.9 Miscellaneous*
  - Any additional comments or information that is not captured in the other sections.

- *1.10 Reference*
  - Provide Web links or bibliographic references for more information on the use case or aspects of the use case.

Planning

Plan upto GGF14

- **On the documents**
  - While working on the template, create usecases of our own experiences in order to see how they fit. 2-3 weeks
  - Go crazy to Collect the use cases Solicit requirements from every people involved. (April-May..)
  - Deadline for providing the template: end of April
  - Define a time line for the broadcast. Go out May: Ask for answers
    by end of May – Beginning of June
    - Define a specific format
    - Look through the OGSA format and see if it is sufficient
    - Define the usecase collection process. (Receive/review/accept/catalog)
    - Decide on the telecons.
    - Cover letter (Call for usecases) to ask for. Also to the presenters.
      - Would you want to be covered as a source? Anonymous posting is also acceptable.
  - First half of June try to do the analysis
- **Pattern Requirements Analysis:Discuss the results @GGF14 Meeting (26th – 30th June)**
  - Def. of Pattern is consistency in usecases. Common requirement features. Something like in WS-I.
  - Begin to recognize patterns (eg Grocery, Business Person, Parent collecting kids from School ->pattern for transport usage)
  - Present defining what different kind of EG is through usecases analysis.

How will we continue?

- Telecons: Bi weekly? Which day?
  - Might be too difficult.=>Rely on the ML for the moment.
- Please Join Us!!
  - **Email list:** egr-rg@ggf.org
  - **Web page:** http://forge.ggf.org/projects/egr-rg

Categorize

- Which is relevant for standardization
- Which is relevant for implementation
- Which is relevant for deployment