

Usage Record Working Group

An OGF WG Session

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Agenda

- Version 1 – Published
- Now what?
 - Implementations -> Standard
 - Version 2
 - Rechartering
- RUS/UR Joint Session

Desired Outcomes:

- Decision on whether to proceed with v1 as a “standard”
- Next steps for v2
- Decision (and action plan) for rechartering
- Prep for RUS/UR Joint Session

Version 1 - Published

- www.ogf.org/documents/GFD.98.pdf
- Includes XML schema as appendix

Now what?

Implementations -> Standard

- OGF Document Process takes over:
 - www.ogf.org/documents/GFD.1.pdf
 - Recommendations Documents (GFD-R), document a particular technical specification or a particular set of guidelines for the application of a technical specification. The recommendations documents are intended to guide interoperability and promote standard approaches.
 - Three increasingly rigorous states:
 - Proposed Recommendation ***[we're here]***
 - Draft Recommendation
 - Grid Recommendation

Now what?

Implementations -> Standard

- Draft Recommendation
 - at least two independent and interoperable implementations
 - from different code bases have been developed
 - sufficient successful operational experience has been obtained
- Who are the implementers?
 - TeraGrid
 - NGS
 - OMII Europe (via RUS)
 - Unicore prototype in progress
 - DGAS (Distributed Grid Acctg System), SGAS (SweGrid GAS)
- Produce an Informational Document that describes these implementations
 - ?? What does “interoperable” mean? How do we show this?
 - Validate documents (data from each implementations) against XML Schema
 - Workshop on URv1 [OGF22]
 - invited speakers from each implementation and other sites using the implementations
 - Cross-site metrics to compare grid usage
 - Identify ways of showing interoperability of the data
 - Unified, anonymized data repository collecting data from a variety of sites
- Proceed under the original charter

Now what?

Implementations -> Standard

- Grid Recommendation
 - analogous to an “Internet Standard” in the Internet Standards Process.
 - a Grid Recommendation does not necessarily represent an exclusive solution

Version 2

- Community-driven
 - Much is coming from sites/grids who are implementing (or trying to implement) v1
- Perceived need for
 - Aggregation
 - Non-compute resources – need to identify contacts
 - Storage:
 - EGEE
 - SRB
 - TeraGrid (starting to look at allocatable storage resources)
 - Amazon
 - OSG
 - Network – talk to Network Measurements Group
 - OGSA-DAI – grid interfaces to databases
 - License management & license usage
 - Other topics will come from implementers, esp. at workshop
 - Audit information
- Who will work on it?
 - Donal Fellows (Manchester)
 - Need to work more closely with RUS
 - Can defer team until workshop in OGF22
 - JISC is running a 3-month study on this right now – review of current practices and gap analysis on what needs to be addressed
 - Engage members of enterprise community
- V2 Requirements analysis s.b. sufficient to recharter UR-WG

Rechartering

- Original Charter has been fulfilled:
- www.psc.edu/~lfm/PSC/Grid/UR-WG/charter.html
- This working group proposes to define a common usage record based on those in current practice.
- The record format will be specific enough to facilitate information sharing among grid sites, yet general enough that the usage data can be used for a variety of purposes –
 - traditional usage accounting,
 - service usage monitoring,
 - performance tuning
 - Etc.
- This group will therefore be concentrating on collecting and disseminating resource consumption data.
- We will not be addressing how that data is to be collected by the resource sites, nor how it will be used by its recipients.

OGF Chartering Process

- www.ggf.org/documents/GFD.34.pdf
- **The Charter**
 - 1.1 Informational Section
 - 1.2 Charter
 - 1.3 Management Issues
 - 1.4 Pre-existing Document(s) (if any)
 - 1.5 Exit Strategy
 - 1.6 Any other relevant information

1.1 Information Section

- WGroupName Working Group **UR-WG**
- Global Grid Forum, [AREA NAME] Area **SAME**
- Administrative Information:
 - Name and Acronym: An acronym of 3-8 characters should be selected as an abbreviation for the working group in websites and mailing lists. The acronym should be unique within GGF
 - Chairs: **To Be Considered on mailing list – needs to be decided by OGF21 (October 2007)**
 - Name One, email
 - Name Two, email
 - **Academic & Enterprise**
 - **Geographic distribution (Asia/Pacific, Europe, Americas)**
 - Secretary(s)/Webmaster(s) (both optional):
 - Name One, email
 - Name Two, email
 - Email list: **In Place**
 - wgname-bof@ggf.org ur-wg@ogf.org
 - Web page: **In Place**
 - <http://forge.ggf.org/projects/wgname-wg>

1.2 Charter

- Focus/Purpose – **recharter for V2**
- Scope –
 - This group will...
 - This group will not...
- Goals - Deliverables, Milestones:

1.3 Management Issues

This Section shows evidence of commitments from the proposed working group chair(s) to carry out WG tasks

- The WG Chair is fundamentally a management role
 - excellent communication and organizational skills
 - in depth understanding of the topic area.
 - It is often a good strategy to have co-chairs including a topic expert and a strong manager.
- Time investment
 - Is the chairs' management supportive of the time commitment?
 - The group should make progress between and during GGF meetings, via concalls and mailing lists
 - Travel expectations, esp. for OGF meetings.
- Can the chair, commit to at least 4 hours per week to run this group?

1.4 Pre-existing Documents

- If there are background documents these are often useful to the Steering Group when evaluating whether a working group should form.
- In some cases the organizers may have already made progress on a draft document and wish to form a working group to involve the community in the work.

1.5 Exit Strategy

- A working group should normally have a lifetime of between 6 – 24 months.
- How will you know when you are finished?

1.6 Other Relevant Information



- Include anything else that will help the GFSG decide if the group should be chartered

GFSG Decision Criteria

1. Is the scope of the proposed group sufficiently focused?
2. Are the topics that the group plans to address clear and relevant for the Grid research, development, industrial, implementation, and/or application user community?
3. Will the formation of the group foster (consensus-based) work that would not be done otherwise?
4. Do the group's activities overlap inappropriately with those of another OGF group or to a group active in another organization such as IETF or W3C?
5. Are there sufficient interest and expertise in the group's topic, with at least several people willing to expend the effort that is likely to produce significant results over time?
6. Does a base of interested consumers (e.g., application developers, Grid system implementers, industry partners, end-users) appear to exist for the planned work?
7. Does the OGF have a reasonable role to play in the determination of the technology?

RUS/UR Joint Session

- Draft Slides (from RUS)
 - More for discussion than formal presentation
- What do we want to contribute?
 - Overview of UR Format [**Donal**]
 - Overview of AUR Format (**Chen**, proposed)
- RUS will add: [**Rosario**]
 - RUS overview
 - OGF18 Review

Additional Comments

- Continued discussion about aggregation – premature to begin the discussion at this session
- Consider record versus report requirements
- Client-side versus server-side aggregation/consolidation
- A lot of sites maintain atomic (UR-level) data, but only report aggregated data
 - Security policies
 - Performance issues
- Flexible versus useful structure – where is the boundary?

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