

A decorative graphic in the top left corner consists of a grid of white dots of varying sizes, arranged in a pattern that tapers to the right.

Global Grid Forum

Leading the pervasive adoption of grid computing
for research and industry

Grid Resource Allocation Agreement Protocol

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GRAAP-WG

3. - 6. October, 2005 (GGF15 in Boston)



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GRAAP Sessions at GGF15

#1 October 3, 2:30 pm

Wrap up since GGF 14
new/changed features of spec
next steps
planning implementations

#2 October 3, 6:00 pm

re-focussing GRAAP
WS-Agreement interoperability

#3 October 5, 2:00 pm (this session)

requirements for a AR negotiation protocol



Session Agenda

- Sign-in sheets
- Agenda of GRAAP Session #3
 - Unpublished related documents
 - Requirements/approaches for advance reservation and co-allocation
 - presentation of co-scheduling protocol by Jon (LSU)
 - presentation of co-allocation protocol by Dean (UoM)
 - presentation of reliability and robustness simulations by Chris (NIST)
 - presentation of co-allocation protocol by Wolfgang (FhG)
- Discussion



Two related unpublished documents

- **Use-case document**
 - Usage Scenarios for a Grid Resource Allocation Agreement Protocol
 - Last version: February 2003 for GGF7
 - Suggestion: Revisit & finalise document by end of October 2005 and submit it to the editor as Informational doc
- **AR capabilities of current local RMS**
 - Advance Reservations: State of the Art
 - Last Version 4 - 6th June 2003
 - Suggestion: Revisit & finalise document by end of November 2005 and submit it to the editor as Informational doc



Presentations

- Jon (LSU)
 - Highly available, fault tolerant co-scheduling system
- Dean (UoM)
 - Advance Reservation and Co-Allocation Protocol
- Chris (NIST)
 - Investigating Potential Reliability and Robustness of Standards-Based Grid Computing Systems
- Wolfgang (FhG)
 - Co-scheduling Compute & network resources
Requirements for AR Negotiation (modifiable Agreements)



Next steps for AR

- Collect common/diverging requirements from presentations & use-case document
- Create an Informational document on requirements on protocols (by end of 2005)
- Start Investigation on combination of 2-phase commit, Paxos, and Cancellation
- Start work on definition of Terms for AR
 - Initial group set-up in GRAAP session#2
- Start work on Negotiation
 - Initial group set-up in GRAAP session#2
- Presentation of results/state at GGF16



Next Sessions

Don't miss

GGF16, Athens

February 13-16, 2006