

# GIN – Face-to-Face Meeting

CERN, March 14, 2007

# GIN Status (Phase 1)

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This meeting is internal assessment time

QuickTime™ and a  
TIFF (LZW) decompressor  
are needed to see this picture.



# Remember:

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- This is volunteer effort most often leading user demand
- Many people are working hard on “extra effort”
- Timelines often don’t mesh.

# GIN-AUTH

- I believe this group has completed its current scope. Call for new chair unanswered.
  - Continue in background for phase 2.
- Recommendations completed:
  - X509 RFC 3820 (close enough)
  - IGTF CAs (but Shibboleth, commercial on horizon)
  - GIN VOMS service operating for bootstrap
- Recommendations under implementation:
  - VOMS: used for VO DN list, not yet attributes
  - VO naming: not yet used other than GIN.ggf.org
- Open issues for later stage:
  - Authorization policy expression, interpretation, maintenance

# GIN – Face-to-Face Meeting

Data update

# GIN-Data Status

- 3 main goals
  - gridftp interoperability
  - SRM interoperability
  - SRB interoperability
- Goals more-or-less achieved as reported at GGF18:
  - <http://forge.ogf.org/sf/sfmain/do/downloadAttachment/projects.gin/tracker.draftplans2006/artf5584?id=atch4259>

# Open Issues

- Documentation!
  - Make instructions available via and consolidate information on gridforge
- SRM
  - VO directory available via info-service
  - Better response when functionality is not available
  - Protocol issues if HTTP is used instead of gridFTP
- SRB
  - Trust establishment
  - Version mgmt, firewall mgmt, network tuning
  - Replication of metadata – what will be shared
- GridFTP
  - Tuning
  - Wrong implementation assumptions
  - Address user questions!
  - Would CoG toolkit be useful for other testing as well? – How close is it to SAGA?

# Future activities

- Bridging the islands
  - SRM interface to SRB is being developed
    - Effort between SDSC, Taiwan
    - Additional effort would be highly welcome!
  - Two-way interoperability needs to be tested
- New items
  - Metadata
    - Define a subset of common metadata
    - Replicate with file transfer
  - Higher level services
  - Driving applications
  - Management of policies, rules, etc. across Grids
- Interactions with standards
  - OGSA-DMI
  - GSM
  - GLUE
  - Security



# GIN-JOBS

- Successes:
  - GRAM Islands identified
    - Pre-WS
    - WS
  - JSDL ?
- Difficulties:
  - Successor to GRAM not yet defined/clear
  - Growing the islands is slow

# GIN-INFO

- Successes:
  - Agreement on local index interprets model
  - Common Schema ?
- Difficulties:
  - Deployment ?
  - Registration/advertisement of GIN-ready services ?



# GIN-OPS



- Successes:
  - Collection of “gotchas” recorded in Wiki
  - Identified need and common concept of Comm. Software Areas
  - Automated “Breadth” testing in place
- Difficulties:
  - Deployment on new GIN grids still labor intensive
  - App needs services
    - GIN-ready index
    - Monitoring info
    - More common env?
  - Wiki updates since 6/2006 ?



These are Dane’s views. Unconfirmed with Peter/Cindy/OPS

# “Breadth” Testing



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Taken from GIN-Ops site 13 March, 2007