

**MAGIC Meeting Draft Notes**  
**October 5, 2011, 2:00-4:00**  
**Room II-415, NSF**

**Attendees including Teleconference**

Alan Sill	Texas Tech Un.
Dan Katz	University of Chicago
Gabrielle Allen	NSF
Mike Nelson	Georgetown U.
Rich Carlson	DOE/SC
Shantenu Jha	Rutgers U.
Von Welch	Indiana Un.

**Action Items**

1. Grant Miller will send MAGIC the LSN tasking to MAGIC
2. Alan Sill will provide slides to MAGIC
3. Grant will identify a room at SC for the November MAGIC meeting

**Proceedings**

Welcome by the Co-Chairs, Gabrielle Allen & Rich Carlson

Review of minutes

Approved as recorded with two changes

- Remove Dan Katz from attendees
- Correct spelling to Shantenu Jha and change university to Rutgers University

**Presentation “Some thoughts on Identity Management for Distributed Science,”**

Von Welch, Center for Applied Cybersecurity Research, Indiana University

- Progress is being made
- Adoption is slow. Change is slower after initial deployment
- Recommendations for MAGIC
  - Foster international interoperability
  - Define community requirements
    - E.g. LOA comes from risk, risk comes from assets, which are increasingly data, but I know of no data security needs assessment
    - E.g. Should we be leveraging outside IdM rather than rolling our own? If so, what would we need from InCommon, OpenId, NSTIC, etc.?
  - Monitor Moonshot/SAML ECP and jump in and support the winner at the appropriate time?
  - Von Welch - What are we trusting entities to do? How stringent are requirements?

**Open Grid Forum (OGF) Status**

Alan Sill

- International Grid Trust Federation (IGTF) is the right forum to take trust issues not OGF

- Federated security – writing profile use of access space to include clouds; this is not a technology question,
- Motivation – We want to expand the user community/projects by orders of magnitude
- Formulate profile and hope to use existing standards, e.g., if you wish to connect via shibboleth you need to express the membership in a virtual organization
  - First work product available in grid architectures
  - Second area – recent events in CC, resistance to mod architectures, want to know how to adapt their system distributed I federation
- Automation of service agreements
- How new standards can be folded into existing standards?
- Need rapid response (small scale workshops are a good approach)
- MAGIC – craft vehicles to respond to needs

### Discussion of LSN Tasking

Rich Carlson

LSN focus is complex networks  
 JET IPv6 and perfSONAR  
 MAGIC ID management

AI: Grant to send LSN tasking to MAGIC “under commit and over report”

- What are we up against?
- Infrastructure for GRID based on X509? Alan – not entirely, must know the id of each and every user, see now a push to use other authentication (X509 unique ID of individuals)
- Alan replace X509 layer – must be equal or better and a major undertaking and what would you accomplish. Been augmenting X509 to make use easier
- Who generates and who consumes – Alan other technologies out there, may not be necessary, need to track new developments – need to ask what you are trying to achieve?
- Von - X509 will eventually be invisible, IGTF allows for interoperability if you can match their profiles Alan - Certificates respond to evolving environment
- Alan - two levels of hurdles
  - What are authentication needs of national infrastructure?
- Multiple CAs and there is a forum for user to exchange certificates
  - Alan problem - nobody is paying for it, no national funding
    - National funding is a good idea
  - Certificates exist for components of system, must be able to use them (work under covers)
  - Von strive for simplicity similar for a certificate to run a web server
  - Is there strong need to change that part of the infrastructure?
    - Alan – frustration with functionality attempts to address that complexity – not any national context, make science workflows work better
  - Alan - Federated Security - define profiles how to accomplish with current technology/systems, enrich

- Von –capture front end systems and socialize them, taking into account security community
  - Do we have a list of whom? – Von – No!
  - Von – not easy to id community, Rich – should we try it id community, Von – yes!
- EDUCAUSE members are about the CIO level
- Do not have any mechanism for dealing with these problems, people will participate, need national perspective, we are augmenting technical solutions of the past
- Rich Define what we want to do
  - Object now is to define scope and deliver to LSN (who is running CAs? (Are machine certificates different?))
    - What do we need in the future to make IdM useful to the science community?
    - Alan
      - people that can afford IGTF are large organizations (e.g., TeraGrid), number of players limited, need more support, tap broader sampling of community
      - We can engage CA organization better – need coherent approach to keep tech solutions in place - what if InCommon a problem? – what do we do?
  - Where is this written down?
    - Alan see Von’s slides, IGTF page, and will provide link (Action Item), send someone to EDUCAUSE– talk to the community that is working on it.
  - Define where we need to work with others or begin new
    - Alan – do no harm,
- Who are prospective consumers?
  - Alan large structures of IdM, libraries, TeraGrid, NIH and similar orgs, DoD, EDUCAUSE has launched an initiative
  - virtual organization is missed by most efforts
- What are we doing in IdM that will be useful to the science community?

AI: Alan will provide slides (Action Items)

AI: Grant will ID room at SC for the November MAGIC meeting

Future MAGIC meeting discussion topics

G. Allen/R. Carlson

- October: Long Term Support for Software: Ian Foster facilitator

Future MAGIC Meetings

November TBD, at SC11, Seattle, Washington

December 7, 2:00-4:00, NSF, Room TBD