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
  o Foster international interoperability
  o 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.?
  o Monitor Moonshot/SAML ECP and jump in and support the winner at the appropriate time?
  o Von Welch - What are we trusting entities to do? How stringent are requirements?

Open Grid Forum (OGF) Status
• 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
  o First work product available in grid architectures
  o 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
  o What are authentication needs of national infrastructure?
• Multiple CAs and there is a forum for user to exchange certificates
  o Alan problem - nobody is paying for it, no national funding
    - National funding is a good idea
  o Certificates exist for components of system, must be able to use them (work under covers)
  o Von strive for simplicity similar for a certificate to run a web server
  o 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
  o 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
      o people that can afford IGTF are large organizations (e.g., TeraGrid), number of players limited, need more support, tap broader sampling of community
      o 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?

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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