MAGIC Meeting
August 3, 2011, 2:00-4:00

Attendance:

Linda Akli	SURA
Gabrielle Allen	NSF
Rachana Ananthakrishnan	ANL
Jim Basney	
Shane Canon	NERSC
Susan Coughlin	ANL
Gary Crane	SURA
Ollie Gray	
Dan Gunter	LBL
Meg Harmsen	NCO
Mike Helm	
Shantenau Jha	LSU
Dan Katz	University of Chicago
Kate Keahey	Argonne National Lab
Ken Klingenstein	Internet2
Archit Kulshrestha	Indiana University
David Lesley	MIT
Paul Love	NCO
Mark Luker	NCO
David Martin	ANL
Stuart Martin	ANL
Don Middleton	UCAR
Grant Miller	NCO
Thomas Ndousse	DOE
Mike Nelson	Georgetown U.
Ruth Pordes	FNAL
Joel Replogle	OGF
Jay Unger	vDesk Service Inc.
Vaughan Walsh	
Hal Warren	
Dean Williams	LL labs

Action Items
1. MAGIC participants should identify their top 3 topics for MAGIC to focus on for the upcoming year
2. A focus topic for MAGIC for the upcoming year should include Identity Management. Other focus topics might include cloud environments

Proceedings
This meeting of MAGIC was chaired by Gabrielle Allen of the NSF. Last month MAGIC held a discussion of Grid computing that led to the submission of a request for a BOF at SC11.

Ken Klingenstein organized presentations and discussion on the topic of Identity Management. Presentations were given by Ken Klingenstein and Hal Warren.

Updates on Internet Identity: Ken Klingenstein
Internet identity has become pervasive in two flavors:
- A rapidly growing and maturing federated identity infrastructure used extensively in the R&E sector globally
- Theoretically interoperable social identity providers serving large masses of social and low-risk applications

Federated uses vary significantly by country and sector (medical, real estate are building corporate federated identities)
Social identities have been used beginning in 2007. A small number of major players share a set of non-interoperable deployments of weak protocols. A move is being made to convergence around Openid-Connect. An integration of federated and social approaches is emerging including Social2SAML gateways.
The national Secure Transactions in Cyberspace (NSTIC) is a White House initiative on citizen-government security/privacy. See: www.nstic/gov/nstic. It works well with SAML and R&E federations.
Federated identity is stall a work-in-progress. Major issues remaining include non-Web applications, interfederation and developing an attribute ecosystem.
InCommon is a federation of 250+ universities, 450+ participants of over 10 million users that is growing rapidly. Certificate services bind InCommon trust policies to new applications.
Important new InCommon services include: Research.gov, electronic grants administration from NIH, Cllogon, IEEE, Educause, NBCLearn, University Tickets, and many others.
New developments for InCommon include:
- Growth and managing service
- Silver and higher levels of assurance/service
- uApprove end user control of attribute management
- Social2SAML coordination
- Personal certificates

For the complete briefing please see the MAGIC WIKI at:
http://connect.nitrd.gov/magicwiki/index.php?title=Meeting_Minutes_and_Materials

Publishing Trust: Creating Semantic Provenance for Author Assertions: Hal Warren
Trust has components of security, emotions, and emergence. Open Identity Exchange (OIX) provides a national security national strategy for trusted identities in cyberspace (NSTIC) vision. The goal is to build trust in the exchange of identity credentials online. It seeks to standardize identity interactions, eliminate the need for pairwise legal agreements, reduce the frictions of logons and registrations, and increase the confidence in online identity infrastructure. OIX is approved as a trust framework provider to the U.S. government. The OIX trust framework was developed with GSA on

behalf of ICAM: Identity Credential and Access Management subcommittee of the U.S. CIO Council.

The Publish Trust Project: see www.PublishTrust.org, provides intake forms, extends trust assertions and builds communities. VIVO is an interdisciplinary national framework enabling science collaborations across all disciplines. See vivo.apa.org

Other initiatives include:
- Author.apa.org
- Open ID Society
- ORCID: Open Researcher and Contributo ID

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Globus Online and Identity Management: Rachana Ananthakrishnan

Users need to manage multiple formats and identities and need multiple identities to manage a single task. Multiple applications will require different identity formats, e.g.,
- X.509 DN
- Local usernames
- Federated identity

We need simple interfaces for associating identity requirements with a resource. Globus Online plans to leverage federated identities and existing idPs:
- Native Globus Online idP
- Open ID (Google)
- MyProxy Servers

They plan to add:
- SAML
- InCommon idPs
- OAuth with MyProxy server

They will provide associating multiple identies with a single account. This enables mapping from one to antoher, e.g., for the same user, X.509 DN to Grid FTP server and ZSEDE username to a portal.

Discussion identified that:
- We need to communicate to the larger communities so people are aware of existing resources and approaches. How do we help agencies inform all their projects of the collaboration frameworks that are available and the resources that exist to support the projects?
- Some researchers are exploiting social identity providers to facilitate their identity Management needs.
- The Open ID community is coalescing but we do not yet know who the winners will be.
- PubMed use of Google ID management has flattened but federated identities continue to grow.

- There are many organizations and resources in-place to help users including the IIW conference at the end of October that is preceeded by an OpenID Summit. Agencies should participate in these existing venues.
- NSTIC and public advocacy groups are generating Web resources to dicsuss federated identity

AI: MAGIC participants should identify their top 3 topics for MAGIC to focus on for the upcoming year.
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Mike Nelson identified several papers on cloud environments and cloud policies, including:

CCIA
http://www.ccianet.org/CCIA/files/ccLibraryFiles/Filename/000000000528/CCIA%20-%20Public%20Policy%20for%20the%20Cloud.pdf

TechAmerica
http://www.techamericafoundation.org/cloud-commission

Australian Global Partners:
http://www.globalaccesspartners.org/Cloud-Computing-GAP-Task-Force-Report-May-2011.pdf

Meetings of Interest
December: DOE workshop on extreme scale science collaboration. What environments do you need to support computing at exascale scale and to support teleinstrumentation requirements for large collaborative scientific instruments? Contact Thomas Ndousse of DOE if you wish to attend.

Next MAGIC Meetings
September 7, 2011, 2:00-4:00, NSF
October 5, 2011, 2:00-4:00, NSF