



MAGIC Meeting Minutes

April 1, 2015

Attendees

Bob Bonneau	OSD
Marshall Brinn	
Rich Carlson	DOE
Dan Katz	NSF
Ken Klingenstein	Internet2
Paul Love	NCO
David Martin	Argonne
Grant Miller	NCO
Sean Peisert	LBL
Rajiv Rammath	NSF
Don Riley	U Md
Alan Sill	TTU
Derek Simmel	PSC

Action Items

Proceedings

This MAGIC Meeting was chaired by Rich Carlson of DOE and Dan Katz of the NSF... At this meeting Ken Klingenstein reviewed the status of Internet Identity and Scalable Access Control

Internet Identity and Scalable Access Control: Ken Klingenstein

The government runs the Federal operational authentication+ service for agency to agency, citizen, and business authentication. It currently includes the Federal PKI bridge, connect.gov (the citizen and enterprise portal) and InCommon for LOA1 and LOA2 Identity Providers (IdPs). Certifying IdPs is not yet a marketplace and big social IdPs set their own rules.

NSTIC is run by DoC and NIST. It has 2 dimensions:

- Governance: called IDESG which sets the rules of the road for privacy, security, interoperability, etc.
- Pilots funded for 2-3 years including builders, trust mechanisms, federated incident handling. It informs the governance.

Private/public partnerships, especially for privacy and trust are difficult.

InCommon currently has over 700 participants, primarily all research institutions. It spans hundreds of service providers, e.g., Azure, AWS, Elsevier, IEEE, Microsoft, Argonne, Pacific Northwest Labs, etc. Certificate services are important. Multifactor Authentication (MFA) devices and licenses are growing. MFA on campuses is growing fast. We need to start focusing on the intensity of participation by member rather than the number of participants.

EduGAIN is a worldwide organization for sharing authentication and metadata.

InCommon has joined eduGAIN and has started metadata testing. InCommon will export

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metadata to eduGAIN. Difficult issues are attribute release internationally and inconsistent semantics of common attributes.

InCommon makes extensive use of Social2SAML gateways. This expands the user base to student's parents, contractors, alumni, ... Issues with this include LOA and filtering out attributes. Commit (supporting college applications) provides an IdP of last resort. They are slowly building an IdP to serve college admissions. Business processes are moving identities into higher assurance (MFAs, identity vetting at College testing services).

Federated incident handling needs to assure that users will be notified of compromised accounts. Sir-T-FI is identifying solutions to this need and conforms to the commercial sector (confyrm.com).

ORCID provides a unique, persistent, resolvable identifier enabling scholars to claim a set of works and publications. Its business model is evolving. Issues include: claiming an ORCID identifier, controlling release of associated information and use for account linking.

RD-Alliance meeting in San Diego

The community is working to provide an elegant and abstract capability while remaining urgent and practical (e.g., open access). There is a tension between domain access and inter-domain access. For large-scale projects see: <https://rd-alliance.org/large-scale-data-projects-meet-rda-rda-5th-plenary-session.html>

Attribute release is the largest barrier to use and is a key dimension of privacy. There are complex issues: legal, technical, international and financial. Requirements include being informed, revocable, and accessible.

VO Support and Collaboration Platforms

Identity is evolving from authentication to attributes and access control. The R&E community is especially interested in support for collaboration platforms which integrate federated identity and attributes with local authorization across the set of applications used by the collaboration.. Collaboration critical infrastructure is managed along with data sets and instruments. There are more groups than there are identities.

Support to collaborations varies from a national level, e.g., SURFContext (Australia) to specific software services (e.g., CERN, Globus) to open source platforms (LIGO, iPlant), to an outsourced service offering (e.g., multi-messenger astronomy, NIHAIDs).

Further development work includes:

- modifying NIST 800-63
- Sharing dynamic metadata among thousands of organizations
- Other trust and metadata could be shared
- Leveraging of federation business processes to significantly reduce costs

For the complete briefing please see the MAGIC Website, monthly meetings for April 2015.

Upcoming Meetings:

May 21-22: OGF44, Lisbon, Portugal

June 16, 2015: Portland, Oregon Workshop: Science of Cyberinfrastructure: Research, Experience, Applications and Models (SCREAM) in conjunction with HPDC'15.

<https://sites.google.com/site/scream15workshop/>

Next MAGIC Meetings:

May 6, 2015, NSF

June 3, 2015, NSF