

**MAGIC Meeting**  
**October 6, 2010, 2:00-4:00**

**Attendance:**

Susan Akli	SURAGrid
Jeff Bell	Galois
Larry Brandt	NCO
Rich Carlson	DOE/SC
Jack Frank	DDRE
Kevin Jones	NASA/Ames
Ken Klingenstein	Internet2
Hugh LaMaster	NASA
Ernie Lucier	NCO
Mark Luker	NCO
Dan Katz	IEEE
Mike Mann	
David Martin	Argonne
Martha Matzke	NCO
Grant Miller	NCO
Mike Nelson	Georgetown U.
Peter O'Neill	MAX
Ruth Podres	OSG
Don Riley	U. Md.
Jonathan Smith	Univ. of Pennsylvania
Kevin Thompson	NSF
Susan Turnbull	GAO
Jay Unger	vDeskServices
John Volmer	ANL
Pam Weber	NOAA
Josh White	Galois
Ben Yoo	UC Davis
Matt Zekauskas	I2

**Action Items**

**Proceedings**

This meeting of MAGIC was coordinated by Rich Carlson of DOE/SC.

**Focus Topics for MAGIC presentation to the LSN**

The MAGIC members discussed focus topics for MAGIC for FY 2011 to suggest to the LSN Annual Planning Meeting of September 14, 2011. These suggestions include continuing MAGIC's focus on Cloud Computing. In this area MAGIC should address the trusted cloud and open standards. Identify technology enabling better auditing for

data access: who is accessing data, where is the data going? This will require looking within the cloud.

MAGIC members also suggested focusing on economics, incentives, and social science research on the uptake and deployment of new technologies and standards.

Security and trust are critical issues. NIH spends hundreds of millions of dollars to enable Web services but use of these services relies on security, trust, privacy, and authorization. How do we provide these to support the Web services. The Bio-Informatics Research Network (BIRN) developed software to enable the forming of virtual groups. BIRN is funding a separate community services award to address how to identify user requirements, develop policies and enable users to better use the capabilities.

Discussion among the MAGIC members indicated that MAGIC should have a concerted action plan to provide real accomplishments for the next year. For example, work to implement trust in clouds. Microsoft, Google, Amazon, and others have embraced SAML but with their own individual flavors of SAML. Can we implement a standard for transparency and interoperability among these providers? Potentially hold a workshop to bring together researchers, the commercial sector, and government participants to discuss approaches for providing transparency and interoperability. Individual agencies are funding development of Virtual Organizations (VOs). We should identify multi agency cooperation on empowering VOs. Jim Basney and Randy Butler are resources for exploring this possibility.

We should explore open standards for clouds to enable utilization of clouds across federal and science organizations and collaborations. We should explore funding for economic analysis of cloud computing initiatives to identify the economic benefits and to identify incentives for fostering faster uptake of cloud capabilities.

AI: Grant Miller will explore the possibility of workshops and Expedition Workshops to discuss trust in clouds, a federated approach and standards for clouds to enable use across Federal agency and science organizations.

### **National Strategy for Trusted Identities in Cyberspace (NSTIC)**

The Federal government has asked for comments on its NSTIC document. Discussion by MAGIC indicated that:

- Not enough time was allocated for comment
- The paper indicates they want a national scale infrastructure but they have engaged only a limited community. The EU has moved forward much faster than the U.S. by identifying providers, which the U.S. has not done.
- MAGIC should request information on NSTIC. Howard Schmidt is the author of the draft document. Vivek Kundra is also cognizant of the NSTIC. A DHS contributor was Graves Spindler

### **Federal Funding for Cloud Computing**

In support of the Federal focus on cloud computing funding proposals were generated for cloud computing. Funds for large data center services were proposed by the House (\$35M) but the Senate is requesting only \$20M. Discussion among MAGIC

members identified that MAGIC could contribute to the debate by proposing a research agenda on identifying the costs and benefits of differing cloud service capabilities. Berkeley published a study called “Above the Clouds” that is helpful in this area.

### **Identity Management Report**

Very recently, government agencies have raised the level of assurance required for specific applications. LOA2 is moving to LOA3 (from SAML Silver to SAML Gold). Stipulations of requirements had become so general that many applications are moving to require higher levels of security. Standards for SAML2 were being set too low.

DOE is moving forward with InCommon with characteristics in addition to InCommon characteristics. CanTARA is moving forward with Shibboleth testing.

### **SURAGrid**

SURAGrid is holding an all-hands meeting September 29-30. SURAGrid is working on sustainability. They are providing access management leveraging InCommon, using both InCommon certificates and other certificates. SURAGrid is collaborating with OSG on internal operations.

Briefing on Cloud Computing and other New Technologies: Ben Yoo, UC Davis

### **Meetings:**

July 27 NTIA held an all-day meeting on cyber-security based on their Notice of Inquiry on cyber-security.

### **Next MAGIC Meetings**

September 1, 2:00-4:00, NSF

October 6, 2:00-4:00, NSF