

Minutes  
MAGIC Meeting  
May 6, 2009, 2:00-4:00  
NSF, Room 1150

**Attendance:**

Ken Klingenstein	Internet2	<a href="mailto:kjk@internet2.edu">kjk@internet2.edu</a>
Miron Livny	Un. of Wisc.	<a href="mailto:miron@cs.wisc.edu">miron@cs.wisc.edu</a>
David Martin	Northwestern Un.	<a href="mailto:martinde@northwestern.edu">martinde@northwestern.edu</a>
Grant Miller	NCO	<a href="mailto:miller@nitrd.gov">miller@nitrd.gov</a>
Sara Murphy	HP	<a href="mailto:sara.murphy@hp.com">sara.murphy@hp.com</a>
Mike Nelson	GU	<a href="mailto:mnelson@pobox.com">mnelson@pobox.com</a>
Don Petravick	ANL	<a href="mailto:Don.Petravick@science.doe.gov">Don.Petravick@science.doe.gov</a>
Susan Turnbull	DOE/SC	<a href="mailto:susan.turnbull@ascr.doe.gov">susan.turnbull@ascr.doe.gov</a>
Frank Walker	NIH/NLM	<a href="mailto:walker@nlm.nih.gov">walker@nlm.nih.gov</a>

**Action Items**

**Proceedings**

This meeting of MAGIC was chaired by Susan Turnbull of DOE

**MyDelivery**

Frank Walker of NIH/NLM provided a presentation on MyDelivery a secure application for secure transmission of biomedical or health data and information. MyDelivery provides easy one-to-one information exchanges of multiple files of all sizes, including CT and MRI scans, color images, digitized x-rays and digital video. Since medical data is involved, the transfers must be HIPAA-compliant. MyDelivery avoids email restrictions of security, file size, numbers of attachments, file types and in-box limitations. Secure email requires security certificates that are used infrequently and must be renewed each year. FTP and FTPS are difficult to set up, usually requires firewall holes and FTPS files are exposed on the server. P2P applications are seldom secure and are often banned.

MyDelivery is a protocol tool based on Web Delivery Service that enables:

- Exchange of large files
- Reliable delivery over unreliable networks
- HIPAA compliant
- Certificate management, invisibly

See: <http://mydelivery.nlm.nih.gov>

MyDelivery entered Beta-testing in January 2009. It provides a user interface, a client manager and a communications manager. The client combines the functionality of secure email and [FTP.1](#) I looks like email and sends large numbers of files like FTP. It provides HIPAA encryption and verification including FIPS 140 and AES. It generates and manages certificates invisibly using Gnu Privacy Guard (GnuPG). It uses asymmetric key encryption. Public keys are passed to senders for encryption. MyDelivery does not

authenticate user identity; users identify and trust each other. MyDelivery uses 1 MB and 10 KB segments depending on network capacity. It passes through firewalls and the application and its use is free. It supports Electronic Health Records transmission.

#### Roundtable OSG

OSG is performing stress testing of LHC capabilities at the end of May. Data from the LHC experiments is expected in early fall (Alice estimated early October for production of data). OSG is collaborating with Internet2 to deploy PerfSONAR infrastructure for performance measurement to provide a basis for cross-domain performance measurement. The integration of monitoring infrastructure for higher levels of the software stack is increasing. It enables translation of information from lower-level software information to higher levels of the stack.

#### Shibboleth

InCommon has 3 million users at 150 institutions currently. The Silver profile is being increasingly used (NIH has fostered interest in silver). Silver will be used to manage grants and provide money flows. International inter-federation issues are being addressed, driven by LHC requirements. Liberty Alliance adopted a new name of KANTARA.

There is an increasing interest in two-factor authentication to thwart Stacatto attacks. The second authentication might be as simple as use of a cell phone. They are investigating simple and inexpensive means to implement the two-factor authentication. Shibboleth is now info-card enabled. The Alpha version of Co-Manage has been released. Scaling issues are being investigated. Microsoft is interested in Co-Manage. Co-Manage accepts SAML assertions from external sources.

InCommon is considering 4000 medical facilities. This would introduce a preponderance of medical users to the system, providing a medical bias. Medical schools may implement a separate management authority.

OpenID has a different basis from InCommon. 30 libraries use OpenID but most of these implementations are broken.

The Earth System Grid is moving to OpenID. They are reassessing their identity management approaches.

#### **Meetings of Interest**

May 25: OGF Chapel Hill, NC on Open Grid Environments

NIST Federation Conference

Week of May 11: DOE midterm reviews

#### **Next MAGIC Meetings**

June 3, 1, 2:00-3:30, NSF, Room 1150

July 1, 2:00-3:30, NSF, Room 1150