



MAGIC Meeting Minutes
September 5, 2012

Attendees

Mine Altunay	FNAL
Scott Brim	Internet2
Marshall Brinn	GENI
Shane Canon	Berkeley Labs
Rich Carlson	DOE/SC
Jeff Chase	GENI
Dan Gunter	LBL
Melann Jentener	U. of Wisconsin
Shantenu Jha	Rutgers U.
Dan Katz	NSF
Kate Keahy	ANL
Miron Livny	U. of Wisconsin
Paul Love	NCO
Bryan Lyles	NSF
David Martin	Northwestern U.
Grant Miller	NCO
Jarek Nabrzyski	U. ND
Manish Parashar	Rutgers U.
Rice Potaula	FermiLab
Ruth Pordes	FNAL
Robert Ricci	U. of Utah
Don Riley	U. Of Maryland
Alan Sill	TTU
Von Welch	Indiana U.

Action Items

1. Von Welch will revise the Identity Management document so it includes introductory material and findings with the rest of the current information contained in an Appendix.
2. Alan Sill will add a bullet point on future research needs for Identity Management to address the need for practical demonstrations
3. Kate Keahy will edit the existing document to provide a concise statement of what MAGIC proposes to do over the coming year in integrating clouds and cyberinfrastructure
4. Grant Miller will contact Cees DeLaat about coordinating international participation in the November SC12 MAGIC meeting to discuss policies for identity management.

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5. MAGIC members should indicate their priorities for the 3 potential MAGIC focus topics for FY13:

- Identity Management
- Integration of clouds and cyberinfrastructure
- Big Data

Proceedings

This MAGIC Meeting was Cochaired by Dan Katz of the NSF and Rich Carlson of DOE/SC. This meeting continued the discussion of focus topics for MAGIC for FY13.

Identity Management Tasking Report: Von Welch

Von Welch provided an updated version of Identity Management for the report. Discussion among the MAGIC members identified that the document is too long to provide findings to the LSN. The report should be reorganized to include the introductory material provided by Von Welch and the findings with the rest of the information provided in an Appendix. Question marks in the findings section should be eliminated.

AI: Von Welch will revise the Identity Management document so it includes introductory material and findings with the rest of the current information contained in an Appendix.

Other comments included:

- We should initiate some practical demonstrations and pilot projects to take existing technology to develop practical environments
- We need a national scale project to simplify logon procedures
- We need to identify how to evaluate Identity Management systems
- We need to work on developing better mechanisms for rescinding authorization.
- We are missing participation by critical groups such as Earth Systems Grid. We need a MAGIC volunteer to contact these missing groups.

AI: Alan Sill will add a bullet point on future research needs for Identity Management to address the need for practical demonstrations

Historically PlanetLab and UseLab have had their own user controls and identity systems. GENI is federating those systems into a common federated Identity Management (IDM) system. They are using a common IDM based on Shibboleth that implements their own PKI system. There is no operational experience with this system yet.

GENI is an amalgam of different projects that request resources in different terms (dialects) based on their historical development. There is a need to store data so we can retroactively reconstruct the results we obtained. Metadata and replay of calculations/data is important. GENI is currently trying to address providing metadata as part of its experimental workflow.

Identity Management Survey: Mine Altunay

Mine Altunay is performing IDM survey for OSG to identify how people are consuming IDM information. She will keep MAGIC informed of her findings and progress in this area.

Integrating Clouds and Cyberinfrastructure: Research Challenges: Manish Parashar

Manish Parashar provided a revised version of his report on Integrating Clouds and Cyberinfrastructure. Discussion of the paper identified that:

- We need to articulate what MAGIC members want the LSN to do
- Clouds are about resource provisioning. Those resources include storage and compute resources.

AI: Kate Keahy will edit the existing document to provide a concise statement of what MAGIC proposes to do over the coming year in integrating clouds and cyberinfrastructure

Some MAGIC actions might include:

- Establishing a research eco-system for a pilot project
- Providing community coordination on short-term objectives
- Holding a MAGIC session on the GENI testbed, PlanetLab, FutureGrid, EmuLab and other infrastructure approaches to cloud computing

AI: Grant Miller will contact Cees DeLaat about coordinating international participation in the November SC12 MAGIC meeting to discuss policies for identity management.

Big Data Task: David Martin

David Martin provided a list of needs to address big data. Discussion identified that:

- Large amounts of data are developed and used not only by big science programs but also from myriads of sensors each producing small amounts of data. Both are important and produce large data volumes.

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Next MAGIC Meetings

- October 3, 2:00-4:00, NSF Room II-415
- November 15, 1:30-3:30 Room 250AB at SC12.