

MAGIC Meeting  
May 4, 2011, 2:00-4:00

**Attendance:**

Gabrielle Allen	NSF
Shane Canon	NERSC
Rich Carlson	DOE
Susan Coughlin	ANL
Gary Crane	SURA
Dan Gunter	LBL
Shantenau Jha	LSU
Dan Katz	University of Chicago
Ken Klingenstein	Internet2
Archit Kulshrestha	Indiana University
Paul Love	NCO
David Martin	ANL
Stu Martin	ANL
Grant Miller	NCO
Mike Nelson	Georgetown U.
Ruth Pordes	FNAL
Joe Replogle	
Dean Williams	LL labs

**Action Items**

**Proceedings**

This meeting of MAGIC was chaired by Gabrielle Allen of the NSF and Rich Carlson of DOE.

**Future Agenda for MAGIC**

The MAGIC Co-chairs asked MAGIC participants to identify MAGIC topics and agenda items that would make the MAGIC meetings more useful and productive for the participants. Comments were received from 8 MAGIC members. Discussion among the MAGIC participant identified that:

- Short presentations by invited speakers are welcome but longer presentations should be avoided. The presentations should be informative and designed to invoke discussion on topics of mutual interest to MAGIC members.
- MAGIC should focus on topics and issues where Federal agencies and researchers need to cooperate. MAGIC should identify a specific topic for each meeting, solicit MAGIC participant input for the meeting and hold an extended dialog on the topic at the MAGIC meeting.
- NSTIC has provided a forum to identify the needs of the science community for identity management

- NIST has identified community use cases to be used in developing community standards for cloud computing. Science user comments led to incorporation of science use cases.
- FutureGrid is a platform that provides a testbed for developing solutions in Grid and Cloud computing and getting access to FutureGrid is quite simple.
- Federal identity management should be a topic for at least one MAGIC meeting
- Data Access needs to be addressed
- Identify MAGIC constituents and their needs. Discuss how MAGIC can foster more rapid and better development of new capabilities and architectures
- MAGIC meetings should focus on discussions on specific topics of interest to participants followed by a brief business discussion of new developments and future thrusts of research.
- Focus areas of MAGIC should include: Standards, Research Challenges, Information Sharing, and Planning and Outreach
- Agencies should compare effective strategies for incentivizing transition of infrastructure

AI: Grant Miller should place the URL for the public MAGIC WebSite on contacts with MAGIC.

AI: Grant Miller should request the NCO to host WIKI WebSite for MAGIC for the sharing of documents and meeting materials.

AI: Grant Miller will obtain WebEx support for each MAGIC meeting

AI: MAGIC should establish a Linked-In site for MAGIC. Gabrielle Allen will implement this.

AI: The MAGIC Co-chairs should revise the mission statement of MAGIC and distribute it to MAGIC members

AI: The MAGIC Co-chairs should solicit MAGIC participant input on topics for MAGIC to address.

AI: MAGIC should consider sponsoring workshops on key topics

**Workshop Report: High Performance Applications of Cloud and Grid Tools: Alan Sill**

Alan Sill reported on the April 14, 2011 workshop he organized in conjunction with the Globus World 2011 and the Cloud Computing Applications Conference at Argonne National Laboratory. The workshop report was published May 4, 2011. The workshop objective was to improve on the state of use of software tools designed for access, administration, job management, input/output standardization, performance optimization of job submission and execution, and other aspects of management of high performance computing resources by multiple users through incorporation of the latest advances in cloud and grid development tools. The workshop was focused specifically on tools in use or that could be used to produce and maintain production infrastructures for large-scale projects in scientific computing. Speakers presented talks on talks spanning cloud and grid infrastructure software, security, authorization and authentication, scaling performance, on-demand networking and standards for large-scale deployment of both networking and middleware tools. The talks are available at: <http://www.ogf.org/HPACG>

A future workshop could focus on science agency use of grids and clouds with the Magellan lessons learned serving as a starting point. It could look forward to FutureGrid and other science cloud capabilities.

A next workshop is planned in coordination with OGF32 in Salt Lake City July 15-18. OpenFlow should be one topic of the meeting.

**Meetings of Interest**

- OGF 32: July 15-18 Salt Lake City
- HPDC 2011, June 8-11 San Jose Convention Center
- July 10-14 SciDAC, Denver

**Next MAGIC Meetings**

June 1, 2:00-4:00, NSF, Room II-415

July 6, 2:00-4:00, NSF, Room II-415