

Draft Minutes
MAGIC Meeting
January 2, 2008, 2:00-4:00
NSF, Room 1150

Attendance:

Frederica Darema	NSF	fdarema@nsf.gov
Keith Jackson	LBL	krjackson@lbl.gov
Ken Klingenstein	I2	kjk@internet2.edu
Miron Livny	Un Wisc.	miron@cs.wisc.edu
Mark Luker	Educause	mluker@educause.edu
Mike Maron	NIH/NLM	
David Martin	IBM	martinde@us.ibm.com
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Sara Murphy	HP	sara.murphy@hp.com
Ruth Pordes	ANL	ruth@fnal.gov
Karin Remington	NIH	remingka@nigms.nih.gov
Don Riley	U Md	
Jennifer Schopf	ANL	jms@mcs.anl.gov Kevin
Thompson	NSF	kthompso@nsf.gov

Proceedings:

This meeting of MAGIC was chaired by Kevin Thompson of the NSF.

Action Items

NSF CyberInfrastructure Awards

Kevin Thompson described the NSF awards for CyberInfrastructure, NSF Solicitation # 07-503. This solicitation was a follow-on to the NSF Middleware Initiative. All proposals were required to include:

- Multiple application areas and expected usage
- Awareness and distinction among alternatives
- Project plan with proof-of-concept and metrics
- Open source and use of NMI Build and Test facility

Two types of awards were given. The bulk of funding went to Improvement and Support, tied to user requirements providing up to \$1 million per year over three years. In addition some New Development awards of up to \$500k/year over three years were given. A strong preference was given to efforts that provide near-term benefit to a broad user base of the NSF community. New software development proposals needed to demonstrate a missing capability required by the science and engineering community. Out of 116 proposals, 26 were awarded. Some awards involved industry participation, e.g. Data Turbine is being moved into an open source environment. One New Development award is to the IETF to incorporate trust into the protocols being developed by IETF Committees. Awards included:

- HPC awards for debugging, fault tolerance and performance tuning
- Data awards for documentation/metadata, security and protection, and history/provenance/attribution
- Middleware awards for cybersecurity, workflow, instrument access, system monitoring/management/testing, and user interfaces and portals

The awards included 56 middleware projects, 30 data projects, and 30 HPC projects. \$28 million in total funding was awarded (including outyear funding). The awards list can be seen at fastlane.nsf.gov under Award Search using SDCI in the title for active awards. NSF anticipates another SDCI solicitation out in the summer of 2008.

Collaboratories Roundtable

OSG: Miron Livny

OSG is focusing on creating and deploying security drills to identify how the system reacts and to identify deficiencies. OSG is providing functional testing to assist OSG sites in determining if they are well managed. OSG is developing tools to assist site administrators. OSG is carrying out more data challenges and enabling new applications.

OSG was affected by a security breach affecting three Grid infrastructures. Analysis of the incident is identifying monitoring groups, how people are notified of incidents, and mailing lists for notifications. They are developing capabilities for protecting the security of sensitive information, particularly cross-boundary information. They are identifying what information should be released at what stages of an incident and who should receive the information. Currently CERTS have negotiated agreements on incident responses. OSG is looking at whether they can build on those agreements.

Federations

The University of North Carolina is building a state-wide federation to support administrative activities across university sites and to support research activities. The state federation uses consistent structures to align with national requirements, such as health-care privacy requirements.

NSF CyberInfrastructure awards are expediting transparency in security and privacy for virtual organizations. LIGO is a possible tool. OSG and Condor are coordinating within the LIGO framework. A LIGO hackathon is being held at Cal Tech and many universities are sending administrators to participate and learn.

Condor

Condor is being included in Red Hat and Fedora releases to include messaging and real-time Grid capabilities and to enable distributed computing. Red Hat engineers are co-located on-site in Wisconsin.

IBM approached the Condor program to use Condor on Blue Gene

Educause

Educause has a new President, Diana Oblinger. She could possibly present at MAGIC in a few months.

Meetings of Interest

NIH held an e-authentication day in November, 2007.

January 14-15, 2008 in Fairmont: Karl Kesselman and Ian Foster are holding a meeting on virtual organizations

February 10-14, Tempe Arizona: Educause meeting

February 25-29, OGF meeting in Cambridge, Massachusetts

Next MAGIC Meetings

February 6, 2:00-4:00, NSF, Room 1150

March 7, 2:00-4:00, NSF, Room 1150