

MAGIC Meeting
November 1, 2006, 2:00-4:00
NSF, Room 1150

Attendance:

Ken Klingenstein	Internet2	kjk@internet2.edu
David Martin	IBM	martinde@us.ibm.com
Don Middleton	NCAR	don@ucar.edu
Grant Miller	NCO	miller@nitrd.gov
Sara Murphy	HP	sara.murphy@hp.com
Mike Nelson	IBM	mrn@us.ibm.com
Ruth Podres	FNAL/OSG	ruth@fnal.gov
Don Riley	UMD	drriley@umd.edu
Jennifer Schopf	ANL	jms@mcs.anl.gov
Kevin Thompson	NSF	kthomps@nsf.gov

I. Action Items

II. Proceedings

This meeting of MAGIC was chaired by Kevin Thompson of the NSF and the Vice-chairs, Mike Nelson from IBM and Ken Klingenstein from Internet2.

OSG, Ruth Podres

Ruth Podres of FNAL gave a presentation on the Open Science Grid (OSG). OSG is built upon previous Grid programs including GriPhyN, PPDG, iVDGL, Trillium, and Grid3. OSG cooperates with a very wide range of Grid applications, TeraGrid, EGEE, Globus, Condor, and many other programs.

OSG is built upon three tiers. These include:

- Applications
- Persistent Grid Infrastructure
- Facilities: e.g., TeraGrid, labs such as FermiLab, and university and community facilities

Virtual Organizations configure, within OSG to collaborate and access resources in a secure environment. OSG is a Grid of Grids taking advantage of campus, community, and national Grid resources. OSG is deployed nationally and internationally over ESnet4, Abilene, and other advanced networking infrastructure.

OSG is a consortium overseen by an OSG Council, a scientific advisory board, a users group, a finance board. It incorporates contributions from universities, laboratories, service providers, TeraGrid, EGEE and others. It facilitates, 3,000-4,000 simultaneous jobs at any given time. OSG is funded at \$6M/yr for five years by DOE and the NSF to sustain and evolve the distributed facility. It supports data storage, distribution, and computation for high energy physics, nuclear and astro physics collaborations supporting

LHC and LIGO. It constitutes a Petascale capability. It supports GBps data transfer, storage and access on a continual basis.

OSG security is provided by X509 certificates and authentication and authorization using VOMS extended attribute certificates. Security is based on the NIST guidelines. Mona Lisa is used to monitor performance. OSG provides outreach and education including training workshops and articles in technical journals to reach and educate potential users. OSG plans to add two user communities per year. They have targeted specific communities and are working with them.

For the full briefing please see:

<http://osg-docdb.opensciencegrid.org/0005/000508/001/OSGforMAGIC.ppt>

Program/Project Roundtable

Shibboleth

Federations for certificate authorities are growing outside the U.S. They are used for digital data repositories and for Grid applications. CaBIG is running a camp next week at SIGnet on how to provide privilege management systems. Ken Klingenstein just met with the U.S. Federal identify federation, which has an increased emphasis on supporting peering.

AI: Jennifer Schopf agrees to discuss CEDPS at the January 3 MAGIC meeting

AI: Jay Unger of IBM will provide a December MAGIC briefing

AI: Don Riley will arrange a briefing on SURAGrid

Future MAGIC Meetings

December 6, 2:00-3:30 NSF Room 1150

January 3, 2007, 2:00-3:30 NSF Room 1150