

MAGIC Meeting
July 6, 2011, 2:00-4:00

Attendance:

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Via WebEx

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Action Items

1. Create an account on the MAGIC Wiki site <http://connect.nitrd.gov/magicwiki>
 - a. Click create account (upper right corner of page)
 - b. Click request one (top right of login box)
 - c. Enter
 - i. e-mail address
 - ii. a user name
 - iii. check terms of service box (note there are no terms of service yet)
 - iv. sum numbers
 - v. Click request account
 - d. Check your e-mail inbox (and possibly junk folder) for password and instructions
 - e. Click on contact us in contact webmaster box
<http://connect.nitrd.gov/magicwiki> if you have any questions

2. If you have comments or suggestions for changing the Version 4 Reinvigorating MAGIC document, please send them to Grant Miller (miller@nitrd.gov)
3. Grant Miller will contact Ken Freeman of NASA to attend MAGIC meetings
4. Kate Keahey will consider the feasibility of putting together a panel on challenge topics for cloud computing for the next MAGIC meeting
5. See invitation to July 18, 2011, Salt Lake City, <http://www.ogf.org/SAUCG>

Completed Action Items

1. Action item completed - Grant Miller distributed information on software sustainability in a separate e-mail dated Friday, June 03, 2011 10:43 AM.
2. Alan Sill distributed two template documents (also in Document Library on MAGIC Wiki) to use as part of our material gathering effort for the OGF/Internet2 MAGIC-sponsored (DOE-funded) Workshop on Science Agency Uses of Clouds and Grids (<http://www.ogf.org/SAUCG>) discussed in our past meetings and recently announced.
 - Cloud_Computing_Business_Use_Case_Template_v3
 - DCI_Gap_analysis_template

These two template documents are drawn from the NIST Cloud Computing Business Use Cases group and the SIENA Roadmap Editorial Board (the latter part of a European DCI project cloud standards road mapping effort).

All comments, criticisms, and suggestions to make this a worthwhile and productive project will be accepted and received with gratitude. Note that we do expect to have remote participation in the workshop available, as well as prior and post-workshop contact with all projects as appropriate. Our goal, as stated in the workshop announcement, is to produce a process that will result in a full inventory of relevant projects using distributed computing (grid and cloud) tools to achieve and support science agency user community goals.

The LSN- MAGIC team is listed as one of the workshop sponsors. We would be delighted and happy to use your specific template developed for gathering information from the US science agency grid and cloud projects.

Proceedings

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

The MAGIC meeting focused on discussions of the current state of "Grid" computing. Five presentations were distributed before the meeting and are now in the Document Library on the MAGIC Wiki.

The presenters focused on these questions.

- What is the current state of the art in production-ready grid infrastructures?
- What are the open challenges that require more R&D, hardening of research code, improved support, or policy changes?
- Given the communities past experience, what is our path forward?

1. Katz - Production Distributed Infrastructure (PDI)

- a. Discussion on measuring delivered science
 - b. Concentrate on what is valuable, what makes a difference
2. Jha - Current State of Grid Computing – SAGA Worldview
3. Pordes - Current State of Grid Computing – OSG
 - a. Miron Livny presented
 - b. How do we move to the next Grid?
 - c. How do we separate what from who?
 - d. Who needs to be trained? - young scientist - what can be done and how?
4. Foster – PDI, Computation Institute
 - a. OSG Open Science Grid
 - b. Develop alternatives to the current flawed system of funding
 - c. Efficiency is paramount – we need to scale to national level
 - i. Universities are about discovery not efficiency!!!
5. Malawski - Thoughts on Grid Computing, CRC
 - a. What most needs to be discussed?
 - b. What is the proper role/place of Grids in the national cyber infrastructure?
 - c. Asking scientists what they need is not productive
 - d. We need to initiate a dialogue

Users have unique or near unique implementations requiring one on one support and special needs

Two Grid constituencies exist – How do we bring together?

1. Funding agencies
2. Science community

Conclusions: problems exist

- A small group is needed to evaluate what is needed in Grids going forward
 - Use International exascale organization as model to organize a group of ~20 people
- They should address issues of research, infrastructure, etc.
- Challenges need to be identified
- We want a brilliant way forward

Meetings of Interest

- July 10-14 SciDAC, Denver
- July 15-18 OGF 32: Salt Lake City (<http://www.ogf.org/SAUCG>)

Next MAGIC Meetings

August 3, 2:00-4:00, NSF, Room II-415

- Next meeting ID management organized by Ken Klingenstein
- Results of commission