



Enabling Grids for E-science

Operations Automation Team

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EGEE'08 SA1 management meeting

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www.eu-egee.org



- **MSA1.1 – Operations Automation Strategy**
 - <https://edms.cern.ch/document/927171/3>
 - Highlights
 - Adopt messaging as integration middleware
 - Use Nagios for site and regional monitoring
 - Move responsibility for reliability of sites to the sites
 - *With support from their ROC*
 - Communication strategy to help sharing of operational tools
 - Internal milestones defined in this document
 - Messaging Infrastructure deployment
 - Multi-level monitoring development, packaging and deployment
 - Move of ROCs to the new operational model
 - Tutorial at EGEE'08 (Tomorrow)

- **Multi-level monitoring**
 - Nagios for site monitoring
 - Yaim packaging complete (effort from CERN + DAE/India)
 - Tutorials at EGEE'08 (tomorrow)
 - Regional monitoring
 - First version of multi-site monitoring released
 - *And used by several regions (IT, SW, CE, ...)*
 - No connection yet to site monitoring
 - *On plan for end of year*
- **Communication**
 - OAT is good forum for teams to talk and share ideas
 - Good work on technical + information architecture for MSA1.1
 - Leveraging the SA1 quarterly meeting for OAT F2Fs

- **Per-tool workplans not yet produced**
 - This was an ‘future plan’ from transition meeting
 - But tools are working on the plans
 - Operations dashboard, GOCDDB both presented first roadmaps at EGEE’08 sessions
- **Effort**
 - WBS contributions are only from ‘known effort’
 - E.g. teams already working – SAM, Operations dashboard, GOCDDB, Nagios, SAMAP, ...
 - New projects ‘appearing’ in the scope of OAT
 - More in futures...
 - Where will this effort come from?
 - Try to raise interest in main SA1 session

- **Messaging Infrastructure**
 - First solution deployed
 - Failover Activemq broker pair at CERN
 - Running into some bugs in production
 - Bugs are in area of management + stability
 - *Core functions are ok and work as needed*
 - Tracking the next release of Activemq
 - Working around bugs in production
 - *Failover gives us the ability to workaround*
 - Track alternative implementations
 - Always was in the plan since we used interop protocols for communication and shield clients with our own API
 - For now we keep going as planned

- **Trying ‘Lightning talks’ at EGEE’08**
 - Not very strong take-up (5 proposals)
 - Thanks to IT-ROC – most contributions
- **Documentation**
 - Still a weak area
 - Need to do much more work here
- **Not everyone has heard/understood the strategy**
 - We need to evangelize a bit more
 - Talk in main EGEE-SA1 session
 - Theme will be “What does the OAT mean for you ?”

- **Operations Dashboard**
 - Regional dashboard is under design (FR)
 - Prototype by end of year
 - Q: Alarms database foreseen at ROC, and link to regional ticketing system – not sure who will do this work
- **GOCDDB**
 - First roadmap presented yesterday at GOCDDB advisory meeting
 - Includes programmatic interface and updated schema
- **SAM**
 - Moving probes to use messaging system as first step
 - In validation cluster
 - Gaining Nagios experience
 - Working on ‘ how to do alarming’ with operations database

- **Gridview**
 - Regional summarization to be discussed in F2F with gridview in Oct'08
 - Part of 'SLA portal' ?
- **Nagios**
 - Push to have connected site and regional monitoring by end of year
- **SLA portal**
 - New item requested by ROCs
 - Under discussion in team
 - still no clear idea on feature set
 - Also no effort tasked yet

- **Metrics Collection**
 - New item requested by OCC
 - How to gather and report on MSA1.3 metrics
 - Effort still to be identified
- **EGEE-SA1 tools**
 - Have repository for tools at Manchester (yum)
 - Using it for messaging + nagios
 - Packaging tools via yaim
 - Will try with a few management tools to add them to the repository and get sites using them
 - Possible tools:
 - Wiatg, WMSMon, FTS tools, dpm-admin tools...

- **Writing strategy document took a lot of our effort**
 - Need to make sure everyone reads and understands it
 - Down to the site level
- **Teams working well on their tools/projects**
 - And communicating together
- **Biggest outstanding issues are**
 - External communication (awareness/publicity/documentation)
 - Finding effort

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