egee

Operations Automation Team

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EGEE'08 SA1 management meeting

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Istanbul, Turkey

www.eu-egee.org

e-infrastructure

Enabling Grids for E-sciencE

- ## 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

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- **Per-tool workplans not yet produced**
  - This was an 'future plan' from transition meeting
  - But tools are working on the plans
    - Operations dashboard, GOCDB both presented first roadmaps at EGEE'08 sessions

- **Effort**
  - WBS contributions are only from 'known effort'
    - E.g. teams already working – SAM, Operations dashboard, GOCDB, 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

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- **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 ?"

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- **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
- **GOCDB**
  - First roadmap presented yesterday at GOCDB 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

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- **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

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- **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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