GDB Monitoring Discussion

John Shade/SAM CERN, 8-OCT-2008



EGEE'08 Istanbul

- Lots of interesting presentations available http://indico.cern.ch/conferenceTimeTable.py?confld=32220
- In particular:
 - Multi-level monitoring framework (James Casey)
 http://indico.cern.ch/getFile.py/access?contribId=344&sessionId=53&resId=4&materiaIId=slides&confId=32220
 - Introduction to Nagios (Ronald Starink)
 http://indico.cern.ch/materialDisplay.py?contribId=239&sessionId=54&materialId=slides&confld=32220
 - Grid Site Monitoring with Nagios (Emir Imamagic)
 http://indico.cern.ch/getFile.py/access?contribId=240&sessionId=54&resId=0&materialId=slides&confid=32220
 - And a great tutorial based on a live demo:
 Grid Site Monitoring Demo (Steve Traylen)



Operations Automation

- Please read the strategy document:
 https://edms.cern.ch/document/927171/
- Highlights:
 - Adopt messaging as integration middleware
 - Use Nagios for site and regional monitoring
 - Move responsibility for reliability of sites to the sites themselves (with support from their ROC)



Nagios

- Well-known, widely used, open-source: http://www.nagios.org/
- Provides site admin-centric monitoring
- Coexistence of own probes and "official" ones
- Sensible alerts
 - Immediate e-mail/pager notifications, but dependencies avoid message floods
 - Tests can have dependencies for efficiency



Nagios (contd.)

- Monitoring EGEE resources in Central Europe since 2006 (http://nagios.ce-egee.org)
- gLite style meta packages egee-NAGIOS and egee-NRPE exist
- YAIM module glite-yaim-nagios has been written
 - Configures Nagios to test your Site using NCG utilities (NCG = Nagios Configuration Generator)
 - Especially useful if you have limited or no NAGIOS experience
- We're trying to make things easy for you!





CUTTENT NETWORK STATUS

Updated every 90 seconds

View History For This Host

View Notifications For This Host View Service Status Detail For All Hosts

Logged in as guest

Nagios® - www.nagios.org

Last Updated: Mon Oct 1 14:35:52 CEST 2007



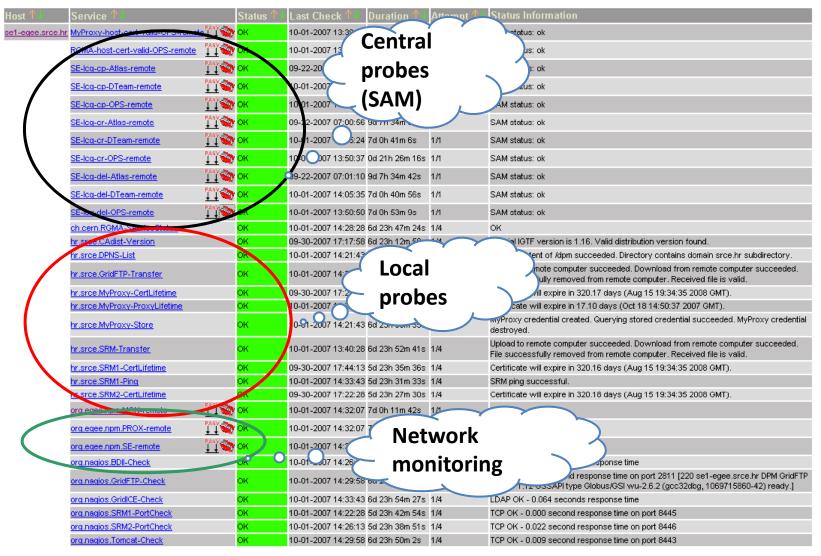
Ok Warning Unknown Critical Pending

31 0 0 0 0

All Problems All Types

0 31

Service Status Details For Host 'se1-egee.srce.hr'



Changes for SAM

- SAM as we know it today will morph into something that uses NAGIOS as the submission framework
- We are already testing probes that use the messaging system in Validation
- We are gaining Nagios experience
- Currently working on 'how to do alarming' and storage of test results



Site Availability

- WLCG and EGEE publish monthly availability reports
 - Your site's availability impacts your Tier/Region's availability
 - It affects your reputation and possibly your funding
 - How reliable is your site?
 - Are you happy with your current monitoring tools?

