



GridICE: status report

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Present features (1/2)

- Grid Monitoring service for a Grid Operation Center
- integrated with the Grid Information Service
- multi GIIS support with backup
- from low level metrics to aggregated and grid oriented metrics
- support for automatic discovery of new resources/services
- web-based user interface with role-based view
- support for event notification
- easy integration with VO/experiment specific metrics
- GUI reporting the status of the available resources in different ways aggregated per VO or per SITE



Present features (2/2)

- generation of graph for aggregated metrics (e.g., jobs, disk space)
- simple client side installation with a single RPM
- installation integrated with LCFGng
- software and instructions to install the monitoring server
- deployment status: currently, a set of important testbeds are being monitored by GridICE:
 - CMS-LCG0 production Testbed
 - LCG1 certification Testbed
 - LCG1 deployment Testbed
 - Grid.IT
 - DataTAG



Future plans (1/2)

SHORT term

- collective service monitoring
 - ability to add/configure any type of service (e.g., Resource Broker, Logging and Bookkeeping, Batch Server, Resource Locator Service,...);
 - for every service the set of most important demons/processes will be tracked and monitored
- notification enabling/testing
- improve graphs generation
 - “a priori” last-data graphs
 - web interface for historical-analysis
- ...



Future plans (2/2)

LONG term

Develop a new monitoring service structure following the GMA proposal based on event driven paradigm using new technology to achieve a more scalable mechanism

- the following technologies are under evaluation: JMS/OGSA/WEB SERVICES; XML to improve message exchange portability and compatibility

People involved

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