
Metrics in OSG 0.4

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Open Science Grid

Metrics data for Compute Elements

- Daily status report derived from the GridCat database
 - Evaluates status tests for pass/fail for five “globus” tests
 - Once every few hours for each iTB / Production CE
 - No historical metrics kept in GridCat (Latest Status)
- Historically metrics available from the Footprints reporting of the central trouble ticket system.
 - No single trouble ticket has all tickets due to the 0.2 operations model
- Historically daily “work done” reports where sent to a mailing list which were determined from the MonaLisa repository

Developments for future Metric data collection

Measuring grid quality

- Resources – storage, CPUs, networks, ...
- Distribution – number of sites, geographical coverage, ...
- Delivered capacity (goodput) - % of used, % of available, % of accessible, ...
- Users satisfaction – ease of use, support, help with troubleshooting, privacy, security, ...
- Providers satisfaction – same as above?
- Effectiveness of interaction with “other” grids.

Metrics and Goals - Miron Livny