ARC Grid Usage

ARC Grid Monitor is the primary tool to obtain information on the current system status. It displays the current state of the Grid by polling the information system at regular intervals or upon user request. The Monitor is stateless and is realised as a Web-based client of the Information System. It is implemented using PHP and JavaScript.

The front page of the Monitor presents the summary of the Grid status: all the sites that register to the Grid, their load/occupancy with respect to Grid- and locally-submitted tasks.

From the Monitor front page one can browse through the entire Grid system: from countries to clusters to queues, from Virtual Organisations to users to individual jobs.

**Cluster information**

**Logger** is the Grid service that accumulates task status reports as provided by the computing resources. The records are persistently stored in a database, allowing further accounting, bookkeeping, provenance and statistics inquiries. The Logger is based on gOCAP and Globus I/O API. It provides a front-end to the underlying MySQL database to store and retrieve information about computing resources’ usage.

The Logger database is accessible via the graphical Web interface, implemented using PHP4, JavaScript and GD-based JGraph module.

The Logger is complementary to the Monitor as it shows the history of the Grid usage. The graphical interface has a set of predefined queries, based on different requests to the database, like a cluster usage information, a snapshot of a certain time period, or a specific application or user.

Check the status at http://www.nordugrid.org