Dashboard Task Monitor
for managing ATLAS user analysis on the Grid

ATLAS, one of the biggest LHC experiments, produces a huge amount of data. Thousands of scientists analyse this data in search of new discoveries. More than 350 000 ATLAS analysis jobs are submitted daily on the Grid. In such an environment users need to be able to monitor their jobs in real-time and kill or resubmit them if something goes wrong. The Experimental Dashboard monitoring framework that was developed for the LHC experiments provides a solution for ATLAS analysis users - the Dashboard Analysis Task Monitor.

ANALYSIS TASK MONITOR

AN EASY WAY

TO MONITOR and MANAGE

USER TASKS

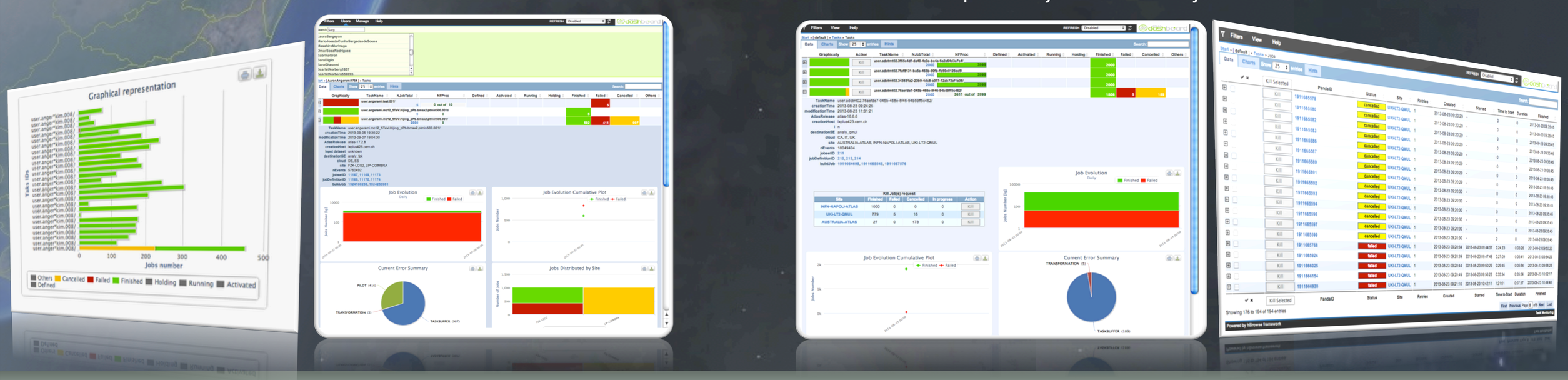
CHOOSE MODE – VIEW or MANAGE

VIEW MODE

View your jobs and jobs of other ATLAS users

MANAGE MODE

Kill your task from the WEB UI if something goes wrong
- all jobs in a task
- jobs running on a given site
- a specific job or set of jobs

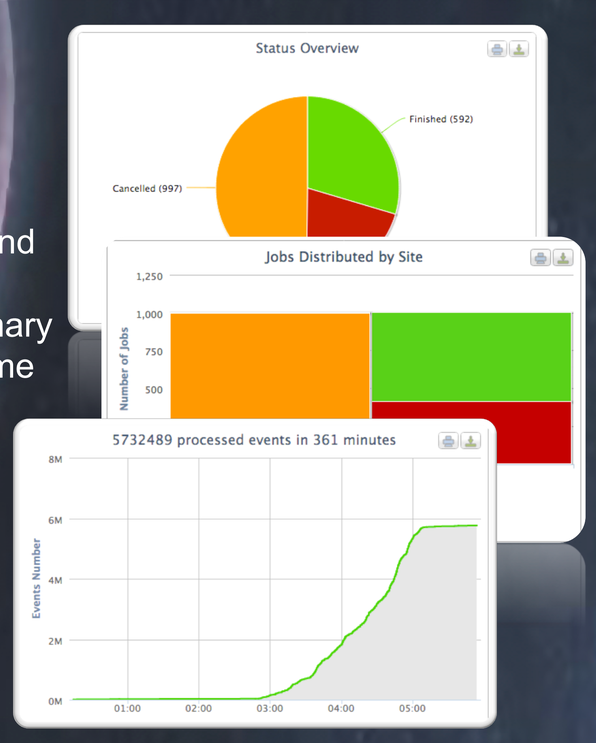


IT'S SECURE, FAST AND EASY TO USE

Functionality

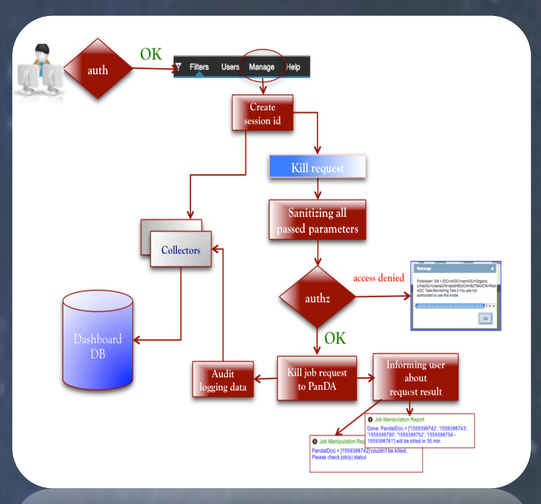
- Task-oriented view of analysis activity
- Monitoring and managing at the task and individual job level
- Data is aggregated and stored in summary tables in order to decrease response time
- Filtering and sorting possibility
- Wide selection of graphical plots
- Intuitive web interface

✧ Users
analysis users and user support team



Security model implementation

- Authentication by X509 grid certificate
- Session id handling
- Protection against malicious XSS and CSRF attacks
- Authorization
- Logging data audit



https://dashb-atlas-task.cern.ch
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