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Logging and Bookkeeping (LB) and CREAM

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

EGEE III JRA1

Special requirements other than the set up mentioned in the CfA text.

none

Abstract

Logging and Bookkeeping (LB) keeps a short-term trace of grid jobs as they are processed by individual grid components. That trace is transformed into single job status information available to grid users and monitoring systems such as RTM or Dashboard. In production LB is used to track jobs managed by gLite WMS but it is designed to support also other job types. We deployed LB over PBS recently, there is an experimental Condor support.

We describe integration with CREAM, allowing native CREAM jobs to appear in LB regardless of their submission channel (gLite WMS, directly, ...). There are immediate benefits for the users – job status information in homogeneous way, and advanced LB features (notifications, complex queries), as well as indirect ones – native CREAM jobs are captured by high level monitoring tools connected to LB.

We illustrate some technical details (involved components, CREAM-specific job state machine in LB) and report on current state of this ongoing work.

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