

CZ Cluster Summary

Aleš Křenek, on behalf of CESNET JRA1 team

- supporting both production and experimental services
- usual bugfixing, release management
- Etics issues
- syslog overload
 - production traffic (20k jobs/day)
 - still ~ 5 messages/job (together with other traffic) kills synchronous syslog
 - targeted performance tests to evaluate “job tracability” approach

- final but the most tough steps
- merged L&B server and proxy functionality
 - resolve corner cases (server & proxy at the same time)
- extracted job state machine
 - new module done, L&B server cleanup to be done
- migrate to transactinal database
 - triggered large code revision
 - change locking mechanism (DB locks replaced semaphores)
- early-March release still feasible

- complete revision wrt. restructuring
- considerable effort, still not finished
- Administrator's Guide
 - config parameters, deployment scenarios, migration from older versions
 - troubleshooting, syslog and mysql tweaks, ...
- User's Guide
 - event types, job state machine, ...
 - CLI usage
- Developer's Guide
 - code examples, API reference

- notifications
 - required by Dashboard
 - extend functionality (user's jobs, all jobs from specific WMS, ...)
 - implementation improvements (message expiration, resource leakage, ...)
- JDL-based queries
 - “what are my jobs having a specific value of JDL attribute X?”
- L&B authorization
 - see talk tomorrow
- Grid Observatory
 - use L&B for early “black hole CE” detection etc.
 - smart statistical methods

- installed and maintained at Preview TB
- supported applications (Auger, comp. chemistry)
- preparing release (RESPECT) in Q8
- presentation at PDP'08
- details tomorrow (Jiri's talk)

- continue support
- release restructured L&B, integrate with WMS
- job tracability & common logging
- continue with authorization
- finish documentation
- release JP in RESPECT
- elementary support for CREAM jobs