![egee - Enabling Grids for E-science in Europe]

IT/CZ cluster meeting, Torino, November 4–5, 2004

CESNET Report

www.eu-egee.org

Aleš Křenek and Jiří Škrabal

CVS Cleanup

- removed dependencies on `ssl_utils`

- aggregate patches from INFN CVS transfered to gLite

- GSS branch merged in INFN CVS

- server-bones merged in gLite

LB Proxy – Features

- based on LB server code

- logging & queries through local UNIX socket – fast, no SSL

- events forwarded "as are" to full LB servers (via interlogger)

- no authorization – WM is a trusted party

- partial job state computation (not all data may be available)

- all operations synchronous

- job registration to both proxy and full LB in parallel

- sequence codes maintained internally (but still have to be passed to other components)

- no special indices: assumed access per job (and eventually full scan for WM crash recovery)

- short-lived data, immediate purge upon reaching terminal state (Done/OK, Aborted)

LB Proxy – Current State

- DONE
  - producer API (using the unix socket) in CVS
  - early prototype on Jiří's laptop
- TODO
  - seqence codes management
  - consumer API
  - forwarding events to full LB servers

Server Bones and LB WS Interface

- seamlessly (almost ;-) merged on gLite main trunk

- WS not enabled by default yet (we waited for settled-down version of gSoap within gLite)

- simple WS-based clients available in `org.glite.lb.server/examples/ws_*`

- more testing done, several minor bugs fixed

- to be enabled on the prototype immediately

Feeding Job States into AliEn

- upon any job state change send the new state via Holub

- LB server modifications (allow "all-jobs" notification for LB superuser) done

- sample client (`feed_shark`) in gLite CVS

- more thorough testing currently stopped on pending interlogger bug

- to be delivered soon

Job Provenance

- no news from last meeting

- low priority recently

- plans for integration – both data sources and consumers needed
  - LB: register job, pass LB events on job purge
  - Network Server: upload sandboxes
  - User Interface: lookup jobs, retrieve and reuse JDL and input sandbox
- Shall we deliver "very early prototype" in Release 1?

R-GMA Convergence

- new versions of UK WSDL's, including extensions proposed by us

- more discussion on theoretical background

  - extensions to GMA – data attributes, service capabilities, mutual matching
  - relational extensions – constraint checks, insertable views (specific event types)
  - new components – multiproducer (single source, multiple logical producers in R-GMA)

- draft of paper for the Krakow Grid Workshop

Briefly ...

- LB stubs for unit tests of other WMS components (in progress)

- support of VOCE setup

- CHEP poster & paper

- hired new person František Dvořák – LB stubs, R-GMA

- long discussion on WS security, credential delegation, etc.

- CESNET testbed upgrade, expecting AMD64 machine