CESNET report

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Information Society

- WSDL revised
  - compact XML input format, WSDL and documentation stylesheets
  - generated from .T's – full synchronisation with legacy interface
  - wrapped document/literal style
  - general cleanup: query encoding, enum-indexed arrays, . . .
  - WS-I compliant, passes Cal's tool
- implementation roughly done, needs testing

- *Resubmission* event extended with SHALLOW flag
- new *ReallyRunning* event to be logged by JW and LM
- *JobStatus* structure extended:
  - *payload_running* (flag) – the user executable started
  - *possible_destinations*, *possible_ce_nodes* (arrays) – where the job may land eventually
- changes in event ordering
  - the branch with *ReallyRunning* takes precedence
- necessary modifications to job state machine
- co-existence of shallow and deep resubmissions
- available at `glite-lb_branch_1_1_0_2_SHALLOW`
- works on artificial examples, needs real testing

- bugfixes
- job statistics (JRA2)
- L&B to JP feed
  - naïve maildir implementation
  - both job registration and L&B log upload on purge
- interlogger NT
  - general "fire and forget" message delivery component
  - trying to comply with WS-Notification etc.
  - persistence, handling message retention time etc.
  - plugins for specific messge types
    - ▶ extract destination(s) from the message
    - ▶ implement delivery protocol (e.g. JP file upload)

- Status
  - delayed experimental deployment – other more urgent issues
  - blocking issues
    - ▶ component-level dependencies in build system
    - ▶ L&B to JP feed
- Immediate goals (testing from end of July)
  - L&B feed
  - Primary Storage prototype
- Goals for gLite 2.0
  - `file://` sandbox file upload from NS/WMProxy
  - simple CLI client: retrieve JDL and sandbox
  - Index Server prototype
- Futher goals (to be planned)
  - other sandbox files upload
  - JDL attribute support
  - client integrated with UI

- Input sandbox files upload (call interlogger NT)
  - `file://` – from NS, straightforward
  - `https://`
    - ► downloaded by JP, delegating user credentials is required
    - ► copied through NS
    - ► uploaded by JW
  - `gsiftp://` – triggered by NS, third-party transfer, user credentials
- JDL support
  - "store in JP" flag on sandbox files
  - generic way to pass JP command parameters to CE
    - ► e.g. regexp which RPM's to query
- UI client integration
  - retrieve JDL and ISB for a concrete job, resubmit
  - more complex queries on JP Index server
    - ► e.g. jobs that used input file X and failed at CE Y

- goal: include L&B in VDT, tracking native Condor jobs
- short term
  - make L&B build in VDT
  - define approximate mapping of Condor log events to current L&B
  - develop "lightweight LogMonitor"
- longer term
  - define Condor job state machine in terms of generic L&B
  - grab events from more Condor sources