TB1.2: Status, Globus Version, Distribution, Documentation, & Plans

Charles Loomis

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charles.loomis@cern.ch

Status

Hardware

- EDG software deployed on six main sites.
  - CC-IN2P3, CERN, CNAF, Karlsruhe, NIKHEF, RAL.
- Other sites as well but not included in RB.
  - Thanks for the patience; hopefully, these included soon.

Software

- EDG 1.2.0 Released.
- Long(er) Job Problem
  - GASS cache hack: 20' time-limit
  - Router problem (probably): Failed jobs around 24 hours.
- Unfortunate trade-off: high rate stability vs. long(er) jobs run correctly.

Globus Version

EDG 1.2.0 uses Globus β21

- Has problem with GASS Cache (horrible response to moderate load).

Globus 2.1.2

- Has fix from CONDOR of GASS Cache problem.
- Lot of work to apply to beta-21.
- Includes many additional changes job manager.
  - WP1 logging patches no longer work.
  - Whole LRMS backend changes to perl framework.

Globus 2.2

- Exists.
- Some question about what is happening with the MDS 2.2 in this.

Best bet probably 2.1.2 (r-24) for medium-term.

Distribution

Current Distribution

- Mainly limited to 6 large sites (others installed but not in RB).

Future Distribution

- Would like to limit distribution until GASS cache problem solved.
- Will have acceptance suite for sites to run.
  - Set of jobs already exists.
  - Some scripts to test various functionality.
  - Need to pull these things together.
  - Manage though RunTimeEnvironment flag.

Documentation

Everyone realizes overview/introductory documentation necessary.

- Release Notes:
  - Exist for 1.2.0 (will be updated for 1.2.1).
- User's Guide:
  - Exists, but should be considered draft.
  - Comments welcome ➔ please use Bugzilla for this.
- Installation Guide:
  - Won't be rewritten until Globus upgrade.
  - LCFG configuration files up-to-date ➔ must move this to Installation Guide.

Plans

PLANS FOR DISCUSSION!

Decide what to do with current situation:

- Opt for low-rate, long-job version.
- Deploy multiple RB's (probably can have 3 at CERN).
- Live with small number of sites (~6).

Test new Globus upgrade:

- Specifically GASS cache patch.
- Ensure all other functionality still works.
- Upgrade (& expand) application testbed.

Move to rolling release procedure:

- Baseline ➔ Add new package(s) ➔ New baseline release.