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LINÉAIRE

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

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# 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.



# Grid Globus Version

## EDG 1.2.0 uses Globus $\beta$ 21

- ❖ 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.

The logo for Data GRID, featuring the word "Data" in orange above "GRID" in black, with a blue globe icon behind the letters "I" and "D".

# Data GRID 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.

# Data GRID 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.