egee

Enabling Grids for E-sciencE

GOCDB in EGEE III

John Gordon

OAT Kick-off, CERN, 6th May 2008

Enabling Grids for E-sciencE

- **An Oracle database at RAL (used to be MySQL)**
- **Contains site configuration details - site, people and nodes**
  - Site - names, coordinates, people, nodes, downtime
  - People, email, phone, working hours
  - Nodes, type, FQDN, downtime
  - Roles, site admin, ROC Manager, security contact

- **a php5 front-end controls access.**
- **Gridsite maps a DN onto a userid with database privs**
- **Roles can have read and/or write access to parts of the database.**
- **Scope of site admin, their site**
- **Scope of ROC Managers, sites in their ROC.**
- **Various workflows: add/certify a site, downtime**

Enabling Grids for E-sciencE

- **Several tools extract information from the database.**
  - SAM, CIC Portal, EGEE Broadcast, RTM, other monitoring
  - Some directly, some indirectly
- **The schema can be extended simply but you then have the problem of filling it for all existing sites/nodes.**

Enabling Grids for E-sciencE

- **Andy Newton did a major release in December 2007. Incorporated most of the feature requests and redesigned the database schema. He left soon after and GOCDB has been in maintenance since.**

- **Gilles Mathieu started at RAL yesterday and will work on GOCDB. I don't want to commit him to a plan.**

Enabling Grids for E-sciencE

- **Fallback**
  - Plan exists but not yet all in place
- **bug fixes**
- **outstanding feature requests**
- **new feature requests**
- **OAT requests**
  - Rationalise schema with other tools
  - Notification of changes? Subscription?
- **Better extraction interface**

Enabling Grids for E-sciencE

- **If tools like SAM are distributed across regions/NGIs then it makes sense for each region/NGI to have their own GOCDB**

- **Central GOCDB could be a cache for use by any centralised or local tools that need to see the whole Grid.**

eGee

Enabling Grids for E-sciencE

- **To distribute we will need to package GOCDB.**
  - Since it used MySQL until recently, I hope it is not that Oracle-specific.

- **Central database can continue to be the primary source for some regions/countries/sites allowing a smooth migration.**

- **No timeline yet.**