





# **Testbed Status**

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# Deployment

- ❖EDG release 1.2.2 deployed on six sites.
  - -CC-IN2P3, CERN, CNAF, Karlsruhe, NIKHEF, RAL.
- \*Around 15 others waiting to join.
  - —Other grid projects (CrossGrid, GridPP, INFN Grid,...)
  - —More still once some national CAs are approved.
- Start to see real computing power, storage space on testbed.

#### Limitations

- AGASS cache problem  $\rightarrow$  Low-rate submissions only.
- $\bullet$ GridFTP bug  $\rightarrow$  20 minute time limit on file transfers.
- $\star$ MDS  $\rightarrow$  Extremely unstable.

Release 1.2.2 is NOT suitable for widespread deployment.



### MDS Instabilities

- ❖Top problem → knock-on problems for users.
  - -problems with match making
  - —finding replicas
- ❖Moved back to manual configuration of II.
  - —Script used to monitor status of sites.

# Logging & Bookkeeping

- \*Buckled under very large number of simultaneous requests.
- "Abuse" of dg-job-status -all.
- Can improve with purging database.



# Job Manager (GASS cache):

- \*Rate problem gone when using fork job manager.
- Bug found with pbs backend scripts.
  - —reported to Globus and fixed
  - -need to repeat testing
- Haven't confirmed or denied:
  - -EDG GK works with new job manager.
  - -Combination works with WP1 job submission.

#### MDS:

- Dynamically-linked MDS 2.2 works; gross failure modes gone.
- Statically-linked MDS is not possible because of LDAP.
- \*Will need to deploy parallel Globus trees to have this work.



### GridFTP:

Statically-linked server/client OK (in 1.2.3).

### WP2 Software:

- \*Replica Manager recompiled/relinked.
- \*RM tested with new GridFTP servers.
- ❖GDMP is being tested now.

# Configuration:

- Details very different for job manager.
- Other minor details like updating dependencies.
- Should have updated configuration rpms shortly.



### Application Testbed:

- See familiar problems with software.
- ❖Number of users/jobs increasing →starting to see scalability problems.

### Towards 1.2.x:

- \*Testing progressing (only job manager not verified).
- Configuration being updated to allow mixed release.