



EUROPEAN MIDDLEWARE INITIATIVE

GLUE 2.0 EMI Y2

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for the GLUE 2.0 WG

Progress so far

- GLUE 2.0 support in EMI-I
- GLUE 2.0 info published by dCache, DPM and StorRM
 - Enabled by default
 - Same info as available in GLUE 1.3
- Basic testing

DNA1.3.1

- One storage client is capable consuming GLUE 2.0 information published by storage elements.
 - M16
- All storage elements publishing full set of GLUE 2.0 storage information and EMI clients are capable of consuming that.
 - M24
- Fully utilise and support the GLUE2 information model - **all data components**
 - M24

gfal/lcg_util

- Support will be enabled
 - GLUE1.3 will be used by default
 - User will have to explicitly choose GLUE2.0
 - May allow a 'fallback to 1.3' mode too
 - This will be implemented in a shared library also used by FTS

How to exploit GLUE2.0?

- GLUE 2.0 allows rationalisation of existing information
 - Potentially permits new expressions of the data
 - Potentially permits publishing of new data
- What is required?
 - How to find out?
- WLCG has a mechanism for improving the information in the IS
 - No current requests require GLUE2.0

Validation

- “**glue-validator** (from the Infrastructure Area) can be run against an LDIF file or LDAP DB. It checks the values for conformity with what is specified the GLUE 2.0 information model.”
- This is extensible and we could encapsulate any further policies beyond the strict GLUE 2.0 schema
- Can be run from the command line and integrated into tests
- For the 'Integration testers'?

Recent developments

- XML rendering of GLUE 2.0 finished
 - Apr 2011
- Publishing over messaging is possible
 - Has been demonstrated
- StoRM has plans/interest in this area
- There are currently no objectives on the project plan based on the above

Summary

- We met our EMI-I targets
 - GLUE 2.0 is published
- We will soon have clients capable of consuming
- Now – what do we do with it??