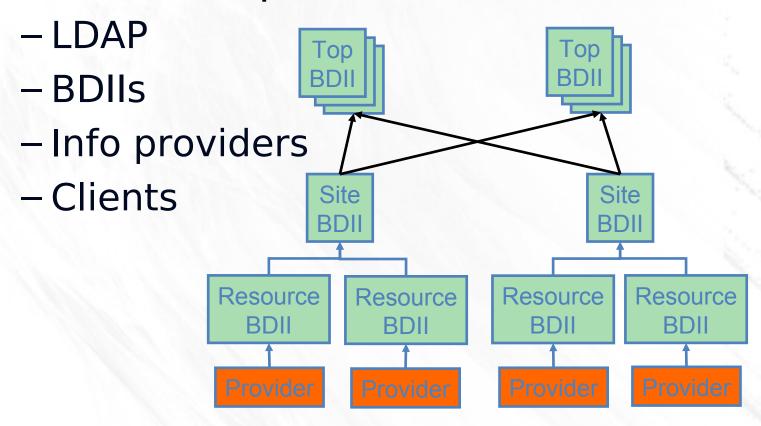


GLUE 1.3

- GLUE 1.3 is currently widely deployed
 - In addition to Nordugrid schema, UNICORE
- Attempts to describe the resources available on the infrastructure and their state
- A better description of grid resources will allow optimisation of their use

How is it used?

How is it implemented now?



This will not change!

GLUE 2.0

- OGF standard
 - Ratified March 2009
- Described as an abstract schema
 - LDAP rendering
- Result of many years of production experience
- Service oriented architecture
- Fixes a number of detailed issues
 - Eg srm, subclusters, CE/SE
- Extensible

GLUE 2.0 Rollout Plan

- As described at CHEP 2010 (Stephen Burke)
 - Define the abstract schema
 - Define the LDAP rendering
 - Implement the schema in the BDII and roll out
 - Write and deploy information providers
 - Update client tools to understand GLUE 2
 - (Retire GLUE 1)
- Implemented in parallel to GLUE 1.3
 - "o=grid' GLUE 1.3
 - "o=glue" GLUE 2.0

EMI Data Timetable

- The timetable is as follows (from DJRA1.2.1)
 - Common agreement on the interpretation of the GLUE 2.0 schema [PM 6]
 - Publishing GLUE 1.3 data with GLUE 2.0 schema [PM 12]
 - Gfal/lcg_Util to implement support as an update to EMI-I
 - EMI data components fully GLUE 2.0 compatible [PM 24]

EMI-I

- GLUE 2.0 info providers implemented for all 3 storage elements (dCache, DPM, StoRM)
- Publishing same information as for GLUE 1.3
- No extra configuration or load on server
 - But higher data volume in InfoSys

DPM

- The dpm-listspaces utility (maintained at LAL) operates as the DPM info provider
- It now has a "--glue2" option to output all relevant info in the GLUE 2.0 schema

Benefits

- Supported by all middleware stacks
- Better information model
- Extensible
- Fixes a number of detailed issues

- What doesn't it do?
 - Automatically add extra information
 - Fix wrong information



Thank you

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