



Enabling Grids for E-scienceE

Information system evolution

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- **The information system architecture has been slowly evolving:**
- **MDS GIIS -> site BDII**
- **Custom info providers -> Generic Info Provider (gip) framework**
- **Freedom of Choice for Resources (VO filter on SAM tests)**
- **GRIS -> resource BDII**
- **Resource BDII on ~ all nodes**
 - Including site/top BDII!
- **Modular YAIM configuration**
- **More robust, better indexing, some degree of failover, better info providers, lcg-* -> glite-*, ...**
- **No big changes on the horizon**
 - Was once planned for R-GMA to replace the BDII, but it seems that BDII/LDAP will be with us for the foreseeable future
 - Brush up your ldapsearch ...
 - (Could be worse – XML!)

- **Joint project between EGEE/LCG and OSG**
- **Version 1.3 was defined in 2006, but still getting some pieces into use**
- **Changes in various areas under way:**
 - Authorisation rules (ACBR)
 - Storage accounting
 - SRM 2, space tokens etc
 - High-level resource view (pushed by LCG)
 - Service publishing/discovery (eventually every service)
 - Site information
 - Service versions
 - How much detail?
 - Multiple subclusters
 - gstat checks

- **GLUE is now an OGF working group, hence GLUE 2.0 will be a real standard**
 - Buy-in from many more Grid projects
- **Complete redesign from scratch**
 - Deals with lots of accumulated problems
 - Not backward compatible
 - Looks very different, but many things are familiar if you dig down
 - Public comments on draft have closed, final version by ~November
- **Have to deploy in parallel**
 - Schema itself by ~ end of this year
 - Info providers during next year
 - Clients will take several years to migrate!