WP2 Additional Functionality for EDG 2.x

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WP2 – CERN

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Replica Location Service

- Release 2.0 contains only the Local Replica Catalogue component of the RLS
- Replica Location Index release planned for May 2003.
  - would like to integrate this and move to a distributed RLS ASAP
- RLI -> RLI hierarchy integration
  - currently only LRC -> RLI hierarchy implemented
- RLS GUI
- Metadata types
  - only string curently, other types should be included by 2.1
- Bloom filter updates to RLIs
- No inter-operation of Globus & EDG RLS
  - not planned within EDG timeframe

Replica Metadata Catalogue

- Metadata types
  - only string is currently supported
  - all other types should be included by 2.1
- Collections
  - confined collections only for September
  - agreed with LCG prior to testbed convergance.

Replica Optimization

- Access costing currently based on Network costs only
- Inclusion Storage Element based costing
  - integration with crossgrid getSECosts started
- Access history inclusion
  - uses R-GMA
- Plug-in optimization algorithm

Replica Manager

- Proxy service
  - will require delegation to be present
- SRM Bindings
  - WP2 interface to SRM being implemented
  - interfaces to SE and GridFTP server

Replica Subscription

- Mechanism for subscription
- Automatic replication of data

All components

- Secure C++ clients
- Administration of all services via web interfaces
  - using authorization data for each service
- Authorization
  - VOMS support
  - Web interface for administration
- Authentication
  - delegation