

EGEE Data Management Update

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EGEE/NA4 Data Management Update

Data management components in gLite R3.0:

- **Storage Element (DPM)**
- **File Transfer Service (FTS)**
- **File catalog (LFC, Fireman*)**
- **meta-data catalog (AMGA**)**
- **POSIX I/O library and CLI tools (GFAL and lcg-utils, gLite I/O*)**
- **encrypted storage (EDS library and Hydra)**

* supported until replacement is available

** supported by NA4/ARDA

- **SRMv2 for fine grained access control in every SE**
 - GFAL and lcg_util is SRMv2.2 enabled
 - shall be finished (development) in this year: FTS and DPM
- **GFAL based EDS library**
 - GFAL support in CLI (glite-eds-put, glite-eds-get) ~ February'07
 - Csec encryption (currently only authentication) ~ February'07
 - EDS support in GFAL ~ ?
- **Multiple key stores**
 - non-GPL SSSS is implemented
 - integration with EDS library ~ February'07
- **DPM HTTPS transfer protocol ~ February'07**
- **ACL (file metadata) synchronization**
 - EDS CLI “best effort” consistency ~ April'07
 - dedicated synchronization service ~ June'07 (depends on the design)
- **DPM-DICOM integration**
 - DPM support for secondary storage back-end ~ March'07
 - DICOM as secondary storage ~ April'07 (after DPM HTTPS)