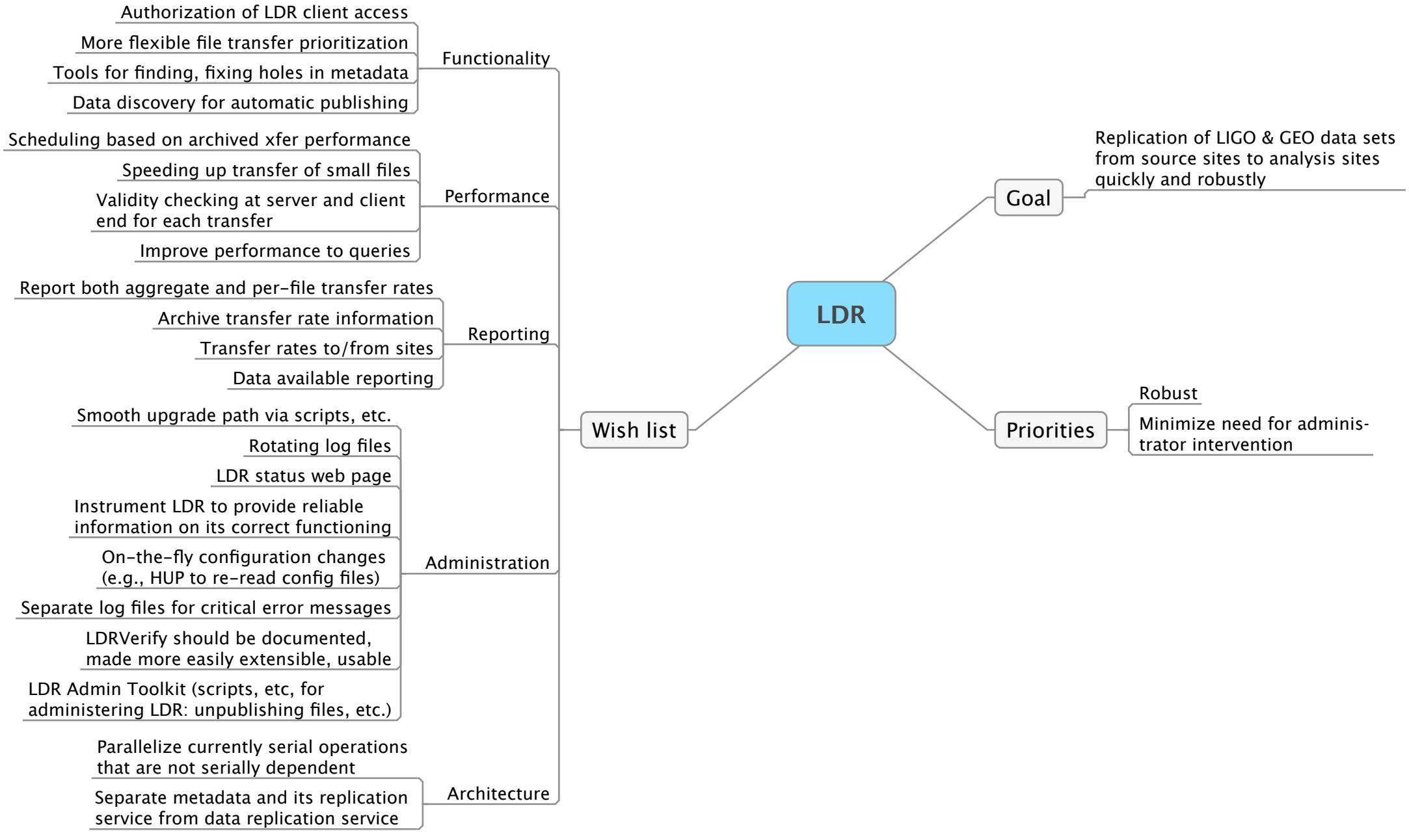
LDR
Goal
Replication of LIGO & GEO data sets from source sites to analysis sites quickly and robustly
Priorities
Robust
Minimize need for adminis-trator intervention
Wish list
Functionality
Authorization of LDR client access
More flexible file transfer prioritization
Tools for finding, fixing holes in metadata
Data discovery for automatic publishing
Performance
Scheduling based on archived xfer performance
Speeding up transfer of small files
Validity checking at server and client end for each transfer
Improve performance to queries
Reporting
Report both aggregate and per-file transfer rates
Archive transfer rate information
Transfer rates to/from sites
Data available reporting
Administration
Smooth upgrade path via scripts, etc.
Rotating log files
LDR status web page
Instrument LDR to provide reliable information on its correct functioning
On-the-fly configuration changes (e.g., HUP to re-read config files)
Separate log files for critical error messages
LDRVerify should be documented, made more easily extensible, usable
LDR Admin Toolkit (scripts, etc, for administering LDR: unpublishing files, etc.)
Architecture
Parallelize currently serial operations that are not serially dependent
Separate metadata and its replication service from data replication service