Introduction to Digital Libraries

hussein suleman uct cs honours 2003

Federations and Hierarchies at a Higher Level – Networked DLs

Design Decisions

- Metadata standard(s).
- Metadata standard(s) semantics.
- Metadata encoding(s).
- Communication principles/mechanisms:
 - federation and/or harvesting
 - synchronous and/or asynchronous
 - stateless and/or stateful
- □ Privacy, security, etc.











RePEc

- Research Papers in Economics
- Many archives ===> One dataset ===> Many services"
- Uses a standard (pre-XML) metadata format and static files on anonymous FTP servers (simplicity!).
- Central but mirrored metadata collection.









- Z39.50 / ZING
- Dienst / OpenDLib
- SDLIP (Simple Digital Library Interoperability Protocol)
 - Defines simple HTTP/CORBA-based interfaces for remote searching (esp. wrapping existing search systems)
 - Stateless/ful a/synchronous operation
 - 3 sub-interfaces
 - source metadata
 - search
 - result access





This document was created with Win2PDF available at http://www.daneprairie.com. The unregistered version of Win2PDF is for evaluation or non-commercial use only.