

Integrating DSpace, MetaLib and SFX

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Introduction: Institutional Repositories

- Digital collections of an institution's research
- The material in these collections will be in many forms
- These materials are centrally stored and preserved
- A 'shop-window' for each university's intellectual output
- At least 1/3 of UK universities have established Institutional Repositories

Introduction: Loughborough's Institutional Repository

- The pilot service started in 2005
- The full service went live in 2006
- Over 1800 items already and growing
- 7th Largest in the UK (according to ROAR)
- Uses DSpace

DSpace

- Jointly developed by MIT Libraries and Hewlett-Packard Labs
- Supports Open URLs
- Without integration Open URLs are a one way path

Getting the metadata

- Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH)
- Perl script to harvest the data

Processing the metadata

- OAI-PMH uses Dublin Core XML
- USMARC would be simpler
- Perl Script to translate

Configuring Zebra

- What is Zebra?
- How much does it cost?
- Was it hard to configure Zebra?

Configuring MetaLib

- Just another Z39.50 resource
- No harder than adding any other resource that is not part of the CKB

Configuring SFX

- Plug in to decide if to offer the link through
 - Connects to Z39.50 and runs a search on title
 - Only shows a link if one title returned
- Target Parser to create the URL to link to
 - Links via the DOI field

Keeping Up To Date

- Cron runs a script every night
- The script
 - Exports the current metadata content from DSpace
 - Converts the metadata from Dublin Core XML to USMARC
 - Gets Zebra to update its content with the new USMARC data

Conclusion

- The ability for SFX to locate articles in the Institutional Repository gives the user a greater chance of being able to gain full text access to the Institution's output
- Integrating DSpace, MetaLib and SFX is easy when Zebra is used to provide a Z39.50 interface

Questions?

- Our Institutional Repository
 - <http://magpie.lboro.ac.uk/dspace>
- DSpace
 - <http://www.dspace.org/>
- Zebra
 - <http://www.indexdata.dk/zebra/>
- My Email
 - J.L.Cooper@lboro.ac.uk