DSpace 1.5 Launch

DSpace User Group Meeting,
Open Repositories 2008

Scott Phillips
Outline

1. New Maven Build System
2. New Features
3. New Technologies
New Maven Build System
What is Maven?

- Software build tool
- Allows distributed development
- Supports publishing modules
- Manage the growth of DSpace
New Features
New Features

- Manakin user interface
- Configurable submissions
- Improved browsing
Manakin User Interface

- Interface Framework
  - Aspects
  - Themes
  - DRI Schema

- Enables customization of your repository interface
What is a repository?

The Texas A&M Repository is an digital service that collects, preserves, and distributes the scholarly output of the university. The repository is an important tool to facilitate scholarly communication and preserve the scholarly legacy of Texas A&M faculty. Based on the principles of Open Access, the Texas A&M Repository contains many types of content, from electronic theses and dissertations to digitized maps from the Library's holdings.

Communities in the repository

Select a community to browse its collections.

- Colleges & Schools
- Programs, Centers, and Institutes
- Special Collections
- State Agencies
- Texas A&M University Libraries
- Texas A&M University Press Consortium
Manakin is Live

Welcome to our new Manakin interface to the DSpace digital repository of Instituto Antonio Carlos Jobim.

If your browser has problems with accented characters please use the nonaccented equivalent in the search.

Groups in DSpace

Select a group to browse its collections.

- Antonio Carlos Jobim [7568]
  - Audio & video [231]
    - Albums [28]
    - Home recordings [126]
    - Videos [77]
  - Iconography [1411]
    - Drawings [58]
    - Photos [1353]
  - Music [736]
    - Manuscritos [736]
    - Publicadas [0]
  - Reference [2325]
    - Authors [1953]
    - Songs [372]
  - Texto [2865]
    - Notebooks [37]
    - Diarios [12041]
DSpace/Manakin Repository

Welcome to the new Manakin interface to the DSpace digital repository. DSpace is a digital service that collects, preserves, and distributes digital material. Repositories are important tools for preserving an organization's legacy; they facilitate digital preservation and scholarly communication.

Search DSpace
Enter some text in the box below to search DSpace.

Communities in DSpace
Select a community to browse its collections.
- DCR Documents
- DSpace Foundation
- MIT Libraries Test Community
- Test Community
- Training on DSpace platform
Manakin in use

- Texas A&M University
- Texas Digital Library
- Instituto Antonio Carlos Jobim
- PolicyArchive.net
- National Library of Finland
- Massachusetts Institute of Technology
- John Hopkins University
- Victoria University of Wellington
More Information

► Manakin: A New Face for DSpace
  - http://www.dlib.org/dlib/november07/phillips/11phillips.html

► Manakin Theme Tutorial
  - http://wiki.dspace.org/index.php/Manakin_theme_tutorial
Configurable Submissions

- Modify the submission workflow
  - Rearrange workflow steps
  - Add new steps
  - Remove steps
- Customize per collection
Submission Workflows

Default submission workflow:

Initial Questions → Describe → Describe → Upload → Review → License → Complete

Another possible workflow:

License → Upload → Initial Questions → Describe → Describe → Review → Complete
Improved Browsing

- Easily add or remove browse indexes
- User-based sorting options
- Improved scalability
Example Browse

Browsing by Title

Or enter first few letters: [Go]

Sort by: [title] Order: [ascending] Results: [20] [Update]

Now showing items 1–20 of 475

"'Roman Riding' Liberty Loan Day field exercises, 8th Cav. Marfa, Texas"
Wheelan, John D. (January 15, 2008)
[more]

"Alamito Creek after a shower. Marfa, Texas"
New Technologies
New Technologies

- Sword
- Lightweight Network Interface
- Event System
Sword

- Based upon the Atom Publishing Protocol
- Support for DSpace, Fedora, and EPrints
- Cross-repository ingestion protocol
Lightweight Network Interface

- WebDav based protocol
- SOAP bindings available
- Protocol for managing content in DSpace
Event System

- Notify listeners when a change occurs
- Updating search, browse indexes
- Notification of object changes within DSpace
DSpace 1.5

Information and Documentation
http://www.dspace.org/

Download Software
http://sourceforge.net/projects/dspace/