Islandora Scholar

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Overview

• What is Islandora Scholar?
• Features
• Background
• Tools and module breakdown
• Future Development
What is Scholar?

- Collection of Drupal modules built on top of core Islandora
- Tailored towards scholarly data to facilitate archiving and discovery
- Design to service the emerging needs including:
  - Value added services for researchers
  - Better statistics
  - Ability to reuse metadata from external sources
Background

- Originated at Robertson Library @ UPEI for use in their IslandScholar project
  - Read UPEI’s article [http://journal.code4lib.org/articles/8763](http://journal.code4lib.org/articles/8763)

- First commit for IslandScholar November 2011

- IslandoraScholar v2 launched December 2012
So Many Forks

- In Drupal 6 the codebase was wide and varied
- Pulled apart, cleaned up, combined best parts to have a unified Drupal 7 offering

Photo Credit: Diamond Hoo Ha Man
Tools used in Scholar

- BibUtils
- Citation Style Language files
- Citeproc-PHP
Features

• Shibboleth/LDAP integration
• Bulk/batch ingest in multiple formats
• Support for supplementary data assets (binary solution pack and other solution packs)
• Scholarly profiling (scholar feeds)
• Publish using OAI
Features

• Linking entities within a form
• Simple workflow integration
• Individual Bibliographies
• Embargo on a per object basis
Citation Objects

- MODS required, optionally include a PDF

- Exposed within Islandora as a citation in the selected CSL

- Examples
  - [http://dlib.bc.edu/islandora/object/islandora%3A4820](http://dlib.bc.edu/islandora/object/islandora%3A4820)
  - [http://islandora.mlml.calstate.edu/islandora/object/islandora%3A459](http://islandora.mlml.calstate.edu/islandora/object/islandora%3A459)
Importing Objects

• Import from external sources and formats including:
  • DOIs from CrossRef
  • EndNote XML
  • PMIDs
  • RIS

• All the importers are OO based and are built on top of the Islandora Batch framework. Allows for easy extension or new implementations as needed.
Islandora Bookmark is a core module that allows a user to create lists of objects within a repository.

Bookmarks can be viewed, shared with other users for collaboration and exported.
Export Bookmark lists of citation objects or search results into a variety of forms
- RTF & PDF with a desired CSL
- RIS
- CSV

Export individual objects as MARCXML
Romeo

- Enabling & Config required
- Parses ISSN from MODS and queries the SHERPA/RoMEO API
- Retrieves & displays copyright information on the fly
Security

• Islandora Embargo is part of Scholar can be used within core Islandora

• Utilizes XACML policies to allow for security restrictions that expire on a certain date

• Notifies administrators when an object or PDF datastream is a week away from expiring. Also when the embargo is lifted
Future Direction – Enhancing Scholar

- Handle integration
  - While not explicitly included within Islandora Scholar, there is an Islandora Handle module
  - On ingest can be configured to create Handles and append into metadata

- Entity Module
  - Scholar Profiles
  - Entity Linking

- Binary solution pack
  - Research data with obscure file formats
  - Compound solution pack to related objects
The University of Prince Edward Island created the first iteration of scholar profiles.

- Code wasn’t generalized and public.
- Members of the community wanted access.
- discoverygarden was contracted to make it available for future releases.
Future Direction – Entity Linking

- Uses autocompletes within Solr to link entities together

- [http://sandbox.discoverygarden.ca/islandora/object/islandora%3A314](http://sandbox.discoverygarden.ca/islandora/object/islandora%3A314)

Image Credit: [www.stockmonkeys.com](http://www.stockmonkeys.com)
Future Direction – Binary Solution Pack

Fedora Commons has always been able to handle any file type.

Now there’s an easy to use ingest interface in Islandora, make them discoverable, make them look better, and associate them to other files.
Future Direction – Compound Objects
Thank you!

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