Working with Islandora

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Presentation Agenda

Introductions
• Islandora Software
• Islandora Community
• Islandora Repository Examples

Demonstration
• Exposing Digital Content: Solution Packs
• Discovery: Internal & External Searches

Questions
Islandora Software
Introduction to Islandora

- Launched in 2006 at the University of Prince Edward Island (UPEI)
- Islandora Foundation (non-profit) created in 2013 to foster code
- Provides a standards-based, open source platform with a sustainable approach to long-term data stewardship
- Provides a sustainable software ecosystem via community diversity
- Islandora service providers available such as discoverygarden to assist with implementation if needed
# Islandora Software Stack

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<th>Search &amp; Discovery</th>
<th>Storage &amp; Preservation</th>
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<td>![Apache Solr Logo]</td>
<td>![Fedora Commons Logo]</td>
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*discoverygarden: Managing Digital Content*
Islandora Software Stack

Presentation & Collaboration

Middleware

Storage & Preservation

Credit Sara Allain
Customization Options

• Standard installation is now easier to use than ever

• Framework is extensible: Customizable and able to integrate with external services

• Any desired customizations can be assessed to provide details on approach, identify risks, and make recommendations

• 80% standard functionality and 20% customization is common
Software Updates & Upgrades

• Customizations are always considered when updating and upgrading Islandora.

• In most instances they will have no impact.

• We recommend maintaining QA and Staging environments for all clients whom we have support contracts or do custom development for, for the purposes of testing updates and upgrades before we deploy to production.

• When possible, we try to commit customizations back to Islandora core. This advances the software and enables easier updates and upgrades.
Islandora Software Summary

• Available since 2006, improving bi-annually through standard releases

• Islandora utilizes Drupal, Apache Solr, and Fedora Commons to build digital repositories

• It’s extensible, capable of being customized and integrated with external services
Islandora Community

http://islandora.ca/islandora-installations
Islandora Community

INNOVATION ADOPTION LIFECYCLE

- Innovators: 2.5%
- Early Adopters: 13.5%
- Early Majority: 34%
- Late Majority: 34%
- Laggards: 16%
Islandora Roadmap

The Islandora Fedora 4 Interest Group is currently working on an integration with the latest version of Fedora Commons which we plan to release in June 2015 as Beta followed by a production ready version in October 2015.

Other plans available at http://islandora.ca
Islandora Roadmap

Advancements in usability and decreasing hosting costs are paramount to removing barriers to access
Islandora Community Summary

• Islandora repositories worldwide, in Europe, North America, China, Australia, New Zealand and South Africa

• Growing rapidly as Islandora becomes easier to use for organizations without developers

• Interest Groups are driving improvements in the community (e.g. documentation, Fedora 4 integration, preservation and archive, etc.)

• discoverygarden driving usability improvements for cloud hosted options

• Community provides support for all organizations, with or without developers
Islandora Repository Examples
Special Collections

• 29 member institutions represented on site

• Content represented as collections

• Each collection is searchable, browsable, and view reports can be generated per collection
Special Collections

- METRO team includes one full time staff member and three part time staff borrowed from other projects

- Customized interface and built new tools (e.g. Islandora Collection Search and Islandora Useage Stats) to be contributed back to entire community

- Hosted in Amazon Web Services to outsource hardware maintenance

- Software maintenance outsourced to discoverygarden
Institutional & Data Repositories

- Institutional repository for scholar publications, video, research data, etc.
- Assets migrated from Digitool and new ingested managed by staff
- Discovery layer, embargoes, metadata entry all managed by staff
Institutional & Data Repositories

Islandora Scholar suite of tools release May 2014 as alternative to Dspace.

Batch Ingest allows import from external sources and formats including:

- DOIs from CrossRef
- EndNote XML
- PMIDs
- RIS

Includes CSL display and export, as well as Romeo integration (e.g. parses ISSN, queries the SHERPA/RoMEO API, and displays copyright information)

Binary and Compound Solution Packs facilitating obscure file formats
Exposing Digital Content: Solution Packs
Islandora Solution Packs

- Standard Image
- Large Image
- Book
- Newspaper
- PDF
- Audio
- Video
- Binary/File
- Compound
- Entity (person, place, event, org)
Islandora Solution Packs

- [http://sandbox.discoverygarden.ca](http://sandbox.discoverygarden.ca)
- Footer Login (admin/islandora)
- Browse Repository
- Click manage tab to explore objects, ingest, edit, etc.
- Explore search results, viewers, record display, etc.
Discovery: Internal & External Searches
Internal Discovery Features

• With Islandora indexes any xml based schema: MODS, DC, RELS-EXT, Fulltext and more by default

• Standard features include configurable search results display, facets, sorting, advanced search, full text searching

• New standard features include Collection Search and Batch Metadata Editing
External Discovery Features

- XML Site Map
- OAI PMH
- SEO
Questions?
Thank you!

For more information please contact info@discoverygarden.ca