



Introduction to Islandora

Nick Ruest, York University
Kirsta Stapelfeldt, UTSC

Today

- Intro & History
- The software (concepts and functions)
- Preservation in Islandora
- Islandora Interest Groups
- Islandora Community
- Demos



The Project

History

- Developed at UPEI in 2006
- Core team at discoverygarden/UPEI Library
- Need to meet the diverse needs of digital asset management in all areas
- Key requirements:
 - Change all or some components over time
 - Integrate with other systems



History

Atlantic Innovation Fund grant from 2010- 2013 funded development and staff for the project, ending in Summer 2013.



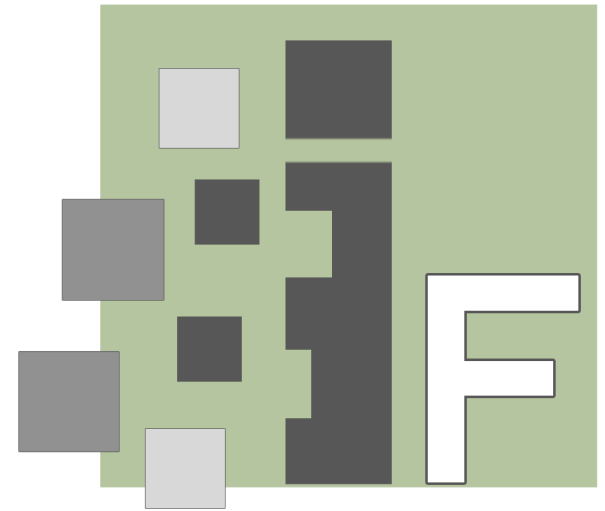
Present Day

Islandora Foundation

A soliciting non-profit found in July, 2013 to steward the Islandora project and future development of both the software and the community.

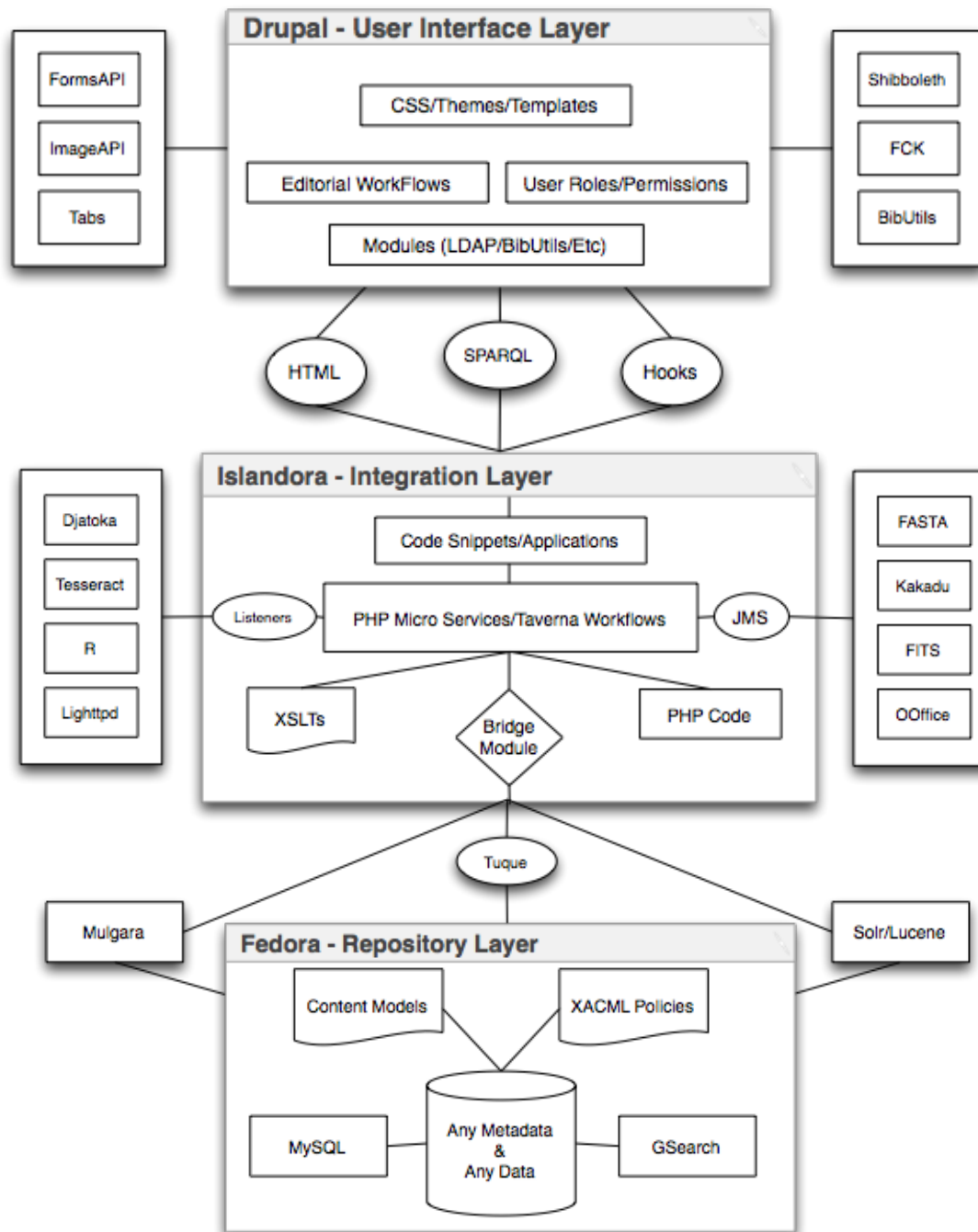
Member supported:

- Partners - \$10,000
- Collaborators - \$4000
- Members - \$2000





The Software - 7.14



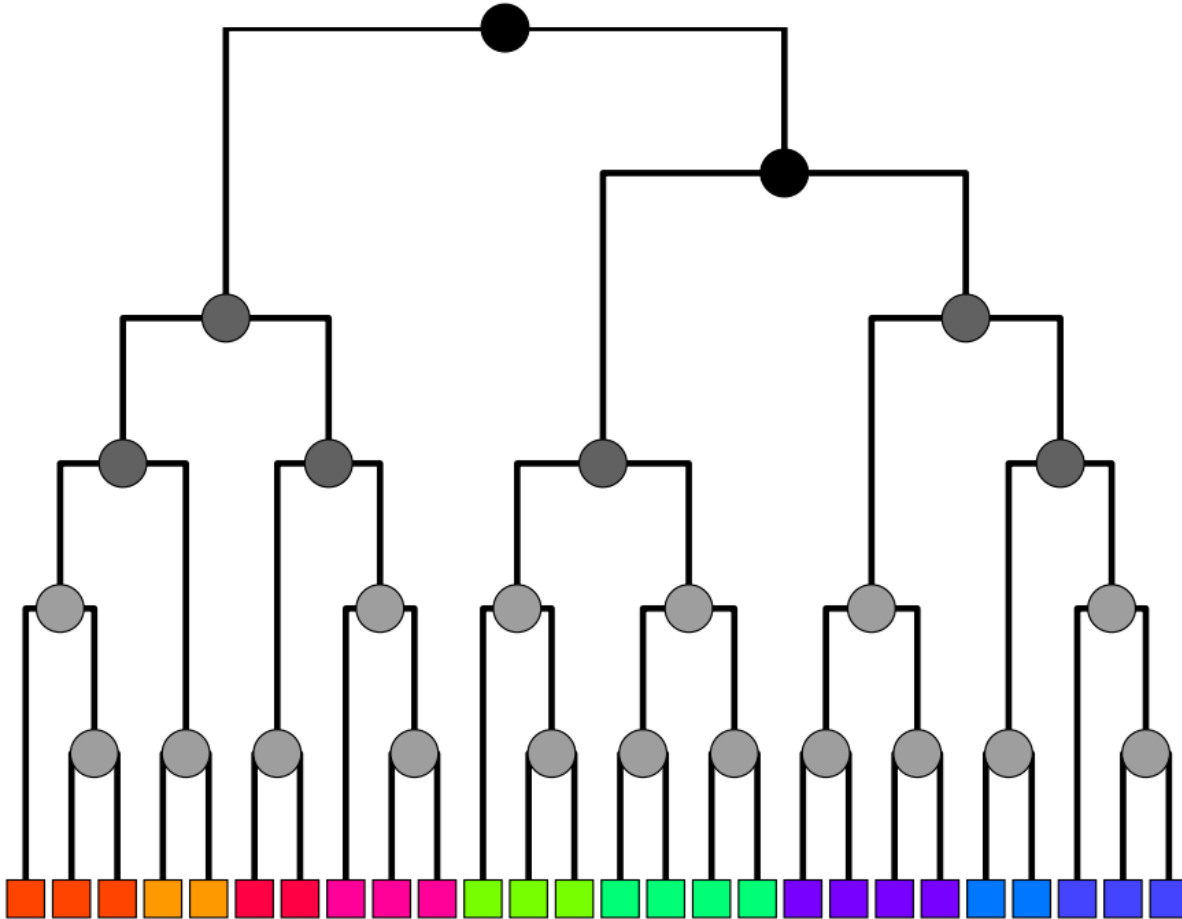
Fedora

GSearch/Solr

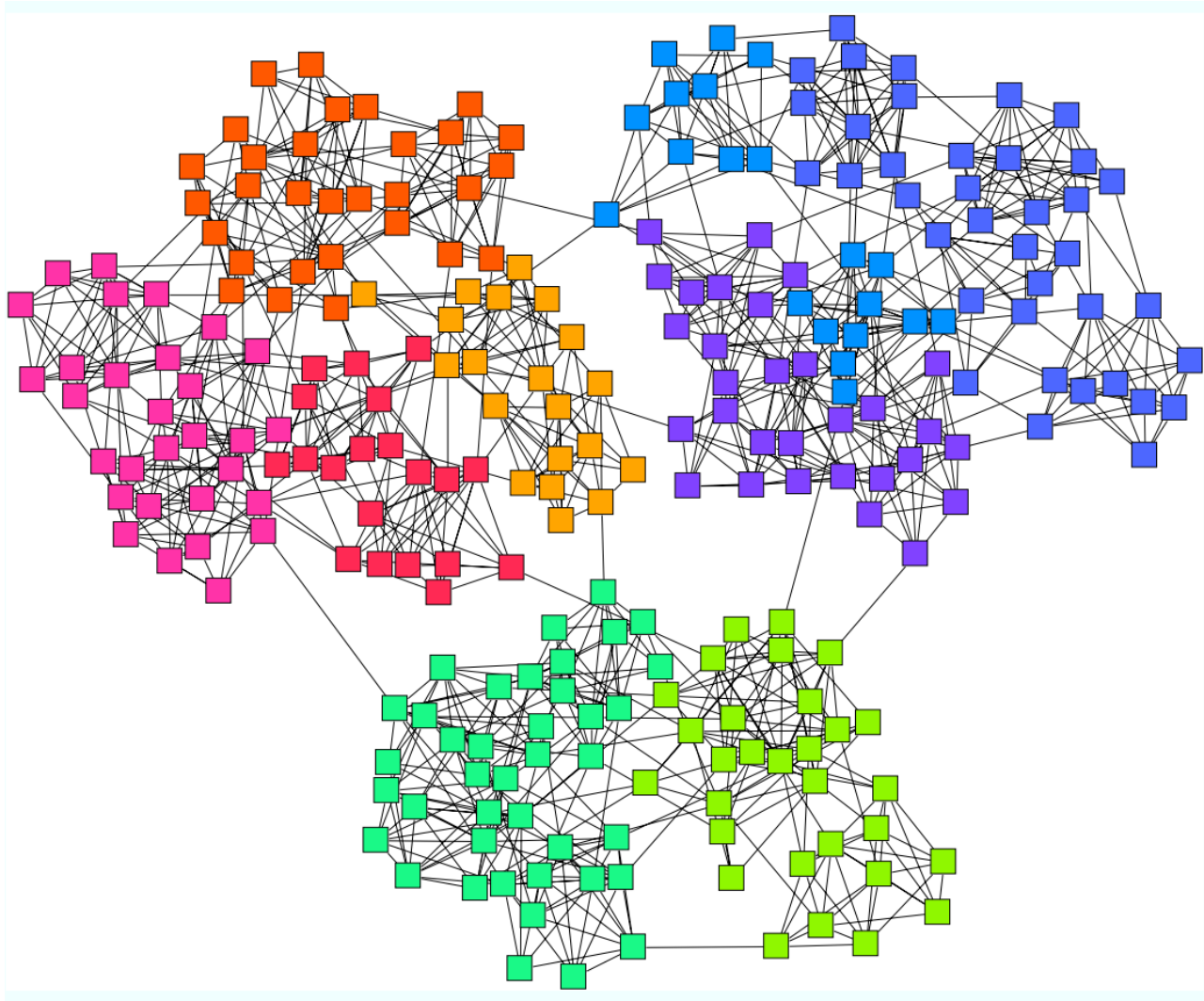
Drupal

Data Modeling Concepts

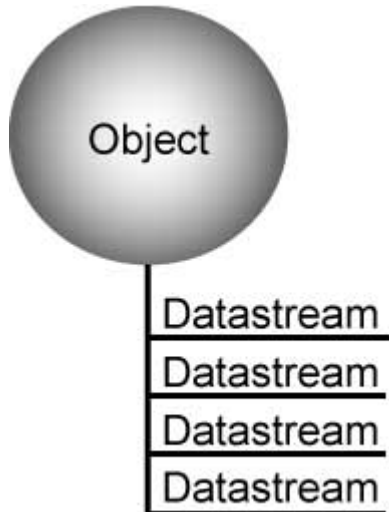
Hierarchical File Structure



Graph organization of data



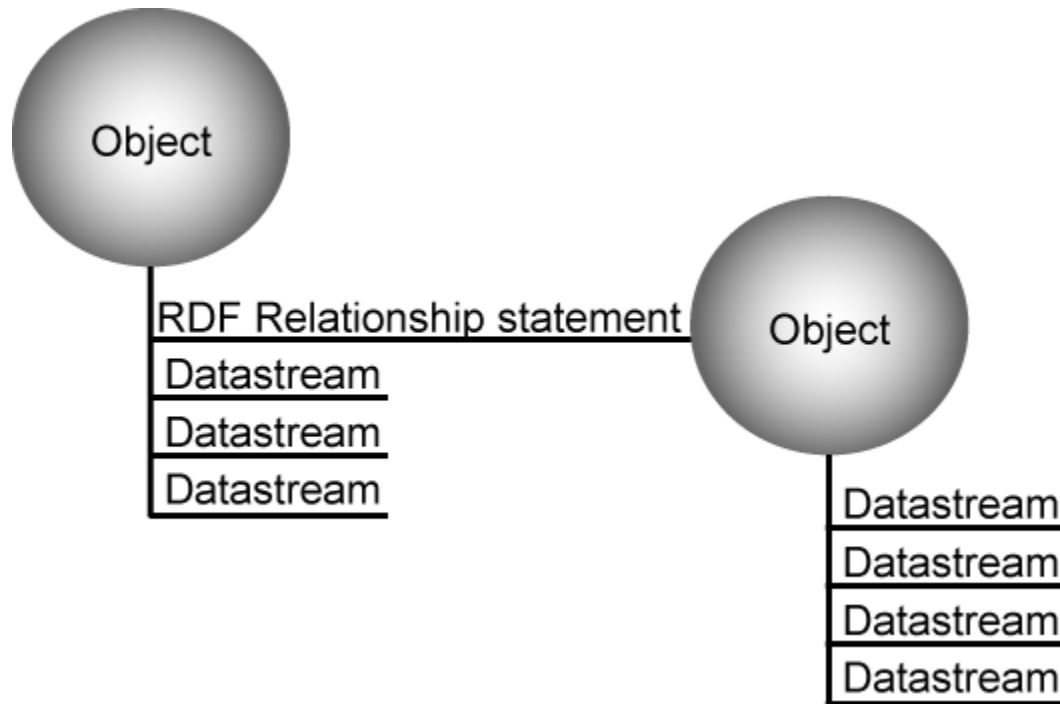
Everything is an object



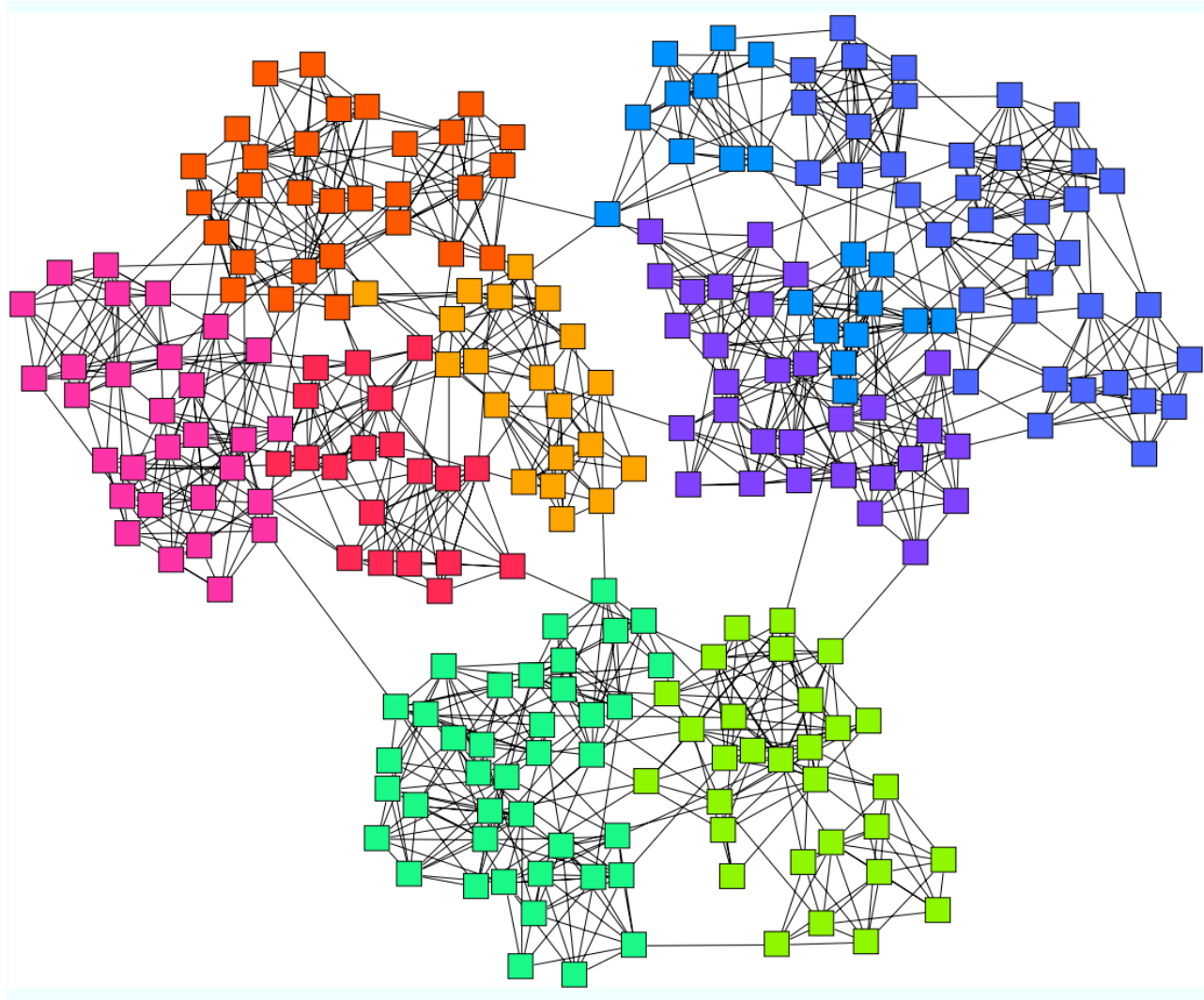
- Data Object
- Collection Object
- Content Model Object

Objects have datastreams

Datastreams connect objects together



Non “nested” but “linked”



AuthN & AuthZ

Drupal “Roles” and “Permissions”

Each “Role” represents something of a user persona, permitted to do certain things (usually mapped to CRUD)

- Create content of type x
- Read content of type x
- Update content of type x
- Delete content of type x

FedoraCommons XACML (eXtensible Access Control Markup Language)

- XML documents defining CRUD permissions at the repository level down to the datastream level)

Islandora: both

- Write roles and grant permissions through interface (Drupal Filter)
- Author XACML policies for collections, objects, and datastreams through the interface
- Configure installation wide XACML policies on the server

Modules & Solution Packs

Drupal's "Modules" (28,645 on Monday)

[Home](#) » [Administration](#)

- There are updates available for your version of Drupal. To ensure the proper functioning of your site, you should update as soon as possible. See the [available updates](#) page for more information and to install your missing updates.
- There are updates available for one or more of your modules or themes. To ensure the proper functioning of your site, you should update as soon as possible. See the [available updates](#) page for more information and to install your missing updates.

Download additional [contributed modules](#) to extend Drupal's functionality.

Regularly review and install [available updates](#) to maintain a secure and current site. Always run the [update script](#) each time a module is updated.

+ Install new module

▼ **CORE**

ENABLED	NAME	VERSION	DESCRIPTION	OPERATIONS
<input type="checkbox"/>	Aggregator	7.32	Aggregates syndicated content (RSS, RDF, and Atom feeds).	
<input checked="" type="checkbox"/>	Block	7.32	Controls the visual building blocks a page is constructed with. Blocks are boxes of content rendered into an area, or region, of a web page. Required by: Dashboard (enabled), Relation Entity Collector block (disabled)	? Help 🔑 Permissions ⚙️ Configure
<input type="checkbox"/>	Blog	7.32	Enables multi-user blogs.	
<input type="checkbox"/>	Book	7.32	Allows users to create and organize related content in an outline.	
<input checked="" type="checkbox"/>	Color	7.32	Allows administrators to change the color scheme of compatible themes. Required by: Stylizer (disabled)	? Help

the “Solution Pack” module

...concept expanded to include the “utility” modules, “viewer” modules, etc.



Multiple Components

Audio	Compound	Solr Views
Bagit	Object	Scholar
Batch	FITS Tool	Simple
Basic Collection	Image	Workflow
Basic Image	Annotations	Video
Book	Large Image	Web ARChive
Bookmark	Newspaper	Xacml
Checksum	OAI	Zip Importer
Checksum	PDF	Entity
Checker	Premis	PathAuto

Solution Packs!

Collection Solution Pack build passing

Introduction

This repository contains the collection solution pack. This module is required for is collection functionality.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)

NOTE: The collection solution pack requires that the [resource index](#) is enabled in of its queries using the resource index.

Installation

Install as usual, see [this](#) for further information.

Configuration

Set the default number of collection objects per page, view style, and configuration Administration » Islandora » Core Collection (admin/islandora/basic_collection).

Default collection objects per page

The default number of objects to show in a collection view.

☒ Disable deleting the collection policy

Toronto Telegram

The 'Toronto telegram' (originally the 'Evening telegram,') was launched in 1876 by John Ross Robertson. The 'Tely' strongly supported the British connection in Canada, appealing to British and Imperial sentiments even after Canadian nationalism became fashionable. The newspaper was locked in a circulation war with its afternoon rival, the 'Toronto star', for much of the twentieth century. The battle involved giveaway contests, scoops, and even hiding personalities (like swimmer Marilyn Bell) from the competition to ensure exclusive stories. Following Robertson's death, the paper was continued by a trust he had established. In 1948 the newspaper was sold to George McCullagh, owner of the Toronto Globe & mail, who invited John Bassett to act as publisher. In 1952 Bassett bought the newspaper and attempted to best the Star with new features in his newspaper, the introduction of colour photography (which meant the demise of the famous 'pink' newsprint on which the "Tely" had been printed), and other modernizations (including a news office building). Falling circulation and lack of advertising led Bassett to close the newspaper in 1971.



"Callope", H.M.S.



"Callope", H.M.S.



"City of Dover" : bought by Penetang group



"City of Dover" : bought by Penetang group



Audio Solution Pack build passing

Introduction

Adds all required Fedora objects to allow users to ingest and retrieve an interface

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [Lame](#) (Debian/Ubuntu `sudo apt-get install lame`)

Installation

Install as usual, see [this](#) for further information.

Configuration

Set the path for `lame` and select a viewer in Administration » Islandora (admin/islandora/audio).

Acadian Music

View

MARCXML



Description

Consists of audio recording of a concert of Acadian music performed by Edith Butler and Donat Lacroix. Recording begins with a brief history of Acadians by Edith Butler followed by her performance of "Il me n'a voit a l'ecole(?)" and "Le Dix D'Avril". Each song begins with a story about the song to be performed by either Butler or Lacroix and leads into the music. The songs are duets with interchanging vocals. Donat Lacroix performs "Le p'tit bateau," "Derriere chez-nous y'a un joli bocage" or "Derriere chez-nous y'a un champ de pois." Together Lacroix and Butler perform "Le mal de dents" followed by Butler performing "Le p'tit boeuf" (a song about an old maid who is angry that she can not find a husband). Butler then sings "Au chant de l'allouette" and an untitled song. Lacroix sings "Un si gros cure," a humorous song about a parish priest and describes a bawdy wordplay with the French "Cure", followed by (30:53- as if the recording jumps forward might be farther ahead into the song- sung by Lacroix). "Le p'tit mari" which he explains is a song sung in both French and English. Lacroix then sings "La drole de vieille," about a ninety year old woman, with Butler adding vocal accompaniment followed by Butler performing an untitled bilingual song. Recording ends at 42:02.

In collections

- [Mariposa Folk Foundation](#)

build

passing

Select configuration options for page derivatives, Parent Solr Field, and select a viewer object and page objects in Administration » Islandora » Book Collection (admin/islandora/

The screenshot shows a digital archive interface. At the top, there are tabs for 'View', 'MARCXML', and 'Pages'. The main header area contains the 'INTERNET ARCHIVE' logo, the title 'Alpine flora of the Canadian Rocky Mountains', a search bar with the text 'Search inside', and navigation icons including 'GO', a play button, an information icon, 'TEXT', a full-screen icon, and a share icon. The central content area displays a two-page spread. The left page is blank and white. The right page is dark green with the title 'Alpine Flora of the Canadian Rocky Mountains' written in a large, elegant, gold-colored cursive script. At the bottom of the viewer, there is a scroll bar and a set of navigation controls including a home icon, a list icon, a grid icon, a magnifying glass, a circular arrow, and left/right arrows.

Islandora Image Annotation build passing

Introduction

Adds the ability to add annotations to images. This solution pack piggy backs on top of other Islandora Solution Packs such as [Basic Image](#) and [Large Image](#) by adding a new tab to existing views. This tab includes the annotation tools.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [Islandora Solr](#)
- [Taxonomy](#)
- [jQuery Update](#)

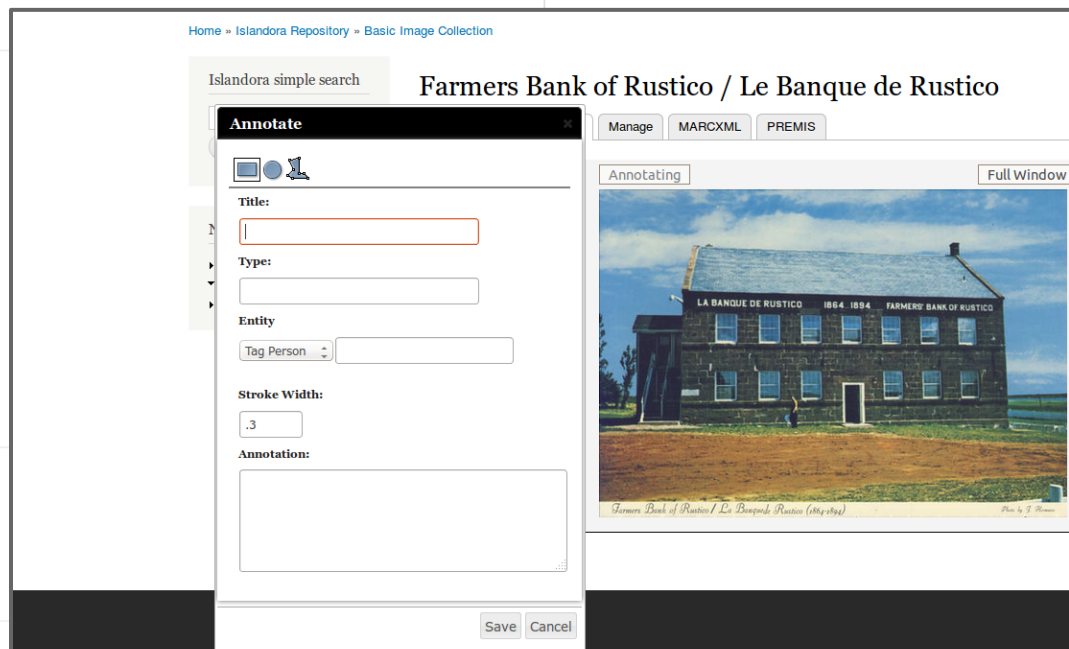
Installation

Install as usual, see [this](#) for further information.

Configuration

To enable the annotation tab for a content model visit Administration -> Islandora -> Image Annotation (admin/islandora/image_annotation). From there you can choose which CModels you want to integrate the annotation tool with. You will need to tell it what datastream to use as well, You should choose a datastream with a mimetype of image/jpeg or image/png. The Taxonomy Column allows the annotation tool to use taxonomy terms for categories.

Annotation categories also depend on the selected radio button under Annotation Categories. If you want to depend on taxonomies choose administrator defined.



Compound Object Solution Pack

Introduction

The Islandora Compound Object Solution Pack enables generic parent-child relationships. The object view of a compound object is replaced by the view of its first child. The "Islandora Compound Object Navigation" block provides a thumbnail navigation view of child objects. A "Compound" management tab allows for the addition and removal of parent objects for each object.

Installation

Install as usual, see [this](#) for further information.

If utilizing the lazy loading image ability of the solution pack, the JAIL library must be installed at sites/all/libraries/JAIL.

Configuration

Set the 'Child relationship predicate' and 'Solr filter query', as well as select options: » Islandora » Solution pack configuration » Compound Object Solution Pack (admin path: /solution_pack_config/compound_object).

Optionally, enable the JAIL compound block to utilize the lazy loading image ability.

- ☒ Only allow compound objects to have child objects associated with them
If unchecked, all objects may have child objects.
- ☒ Generate a thumbnail for compound objects from their first child
If checked, the thumbnail for a compound object will be generated from its first child object.

Child relationship predicate *

Barre Phillips in concert with strings and voice

View Manage MARCXML



In collections

- [The Music Gallery](#)

Details

Title:	Barre Phillips in concert with strings and voice
Creator(s):	Barre Phillips
Publisher:	The Music Gallery

Part of: [Barre Phillips in concert with strings and voice \(7 objects\)](#) [manage parent](#)
[Next](#)

Barre Phillips in concert with strings and voice



Barre Phillips in concert with strings and voice - Track 1



Barre Phillips in concert with strings and voice - Track 2



Barre Phillips in concert

Basic Image Solution Pack build passing

Introduction

Creates Image Collection to hold image objects. Adds support for Image objects based on JPEG/PNG/GIF image files.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [ImageMagick](#)

To successfully create derivative data streams ImageMagick (TN & JPG) needs to be installed on the server.

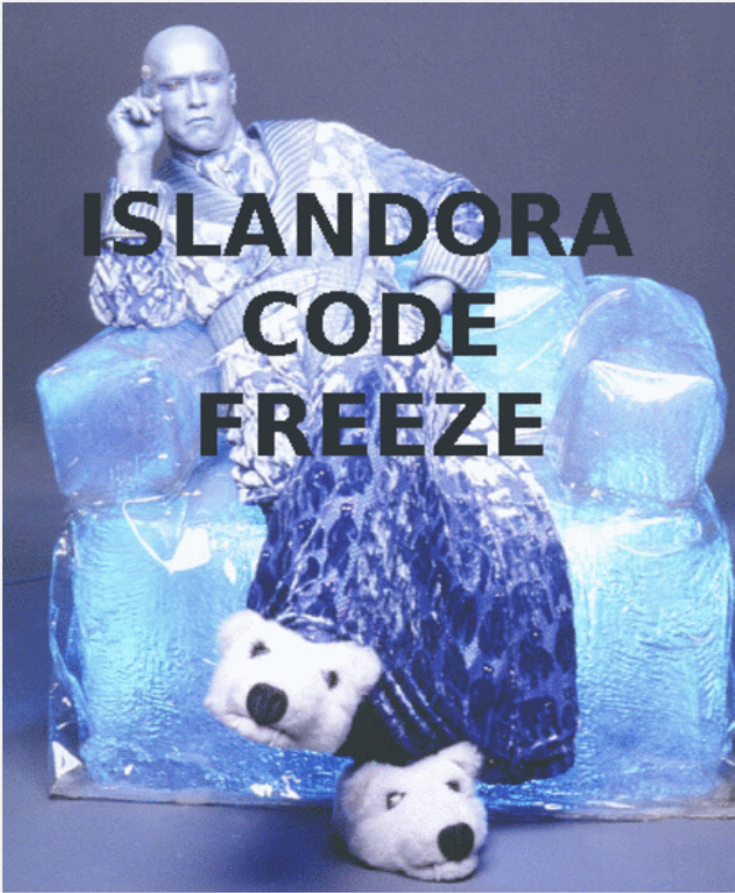
Installation

Install as usual, see [this](#) for further information.

Configuration

Configure the image-tool kit to use ImageMagick rather than GD in Administration > Configuration > Media > Image Toolkit (admin/config/media/image-toolkit). If GD is selected, TN and JPG datastreams will not be generated.

Islandora 7.x-1.4 Code Freeze



Large Image Solution Pack build passing

Introduction

The large image solution pack loads all required Fedora objects and creates an empty container to accept TIFFs and create derivatives.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [ImageMagick](#)
- Kakadu (bundled with Djatoka)

To successfully create derivative data streams, ImageMagick (for TN & JPG) and Kaka need to be installed on the server.

Installation

Install as usual, see [this](#) for further information.

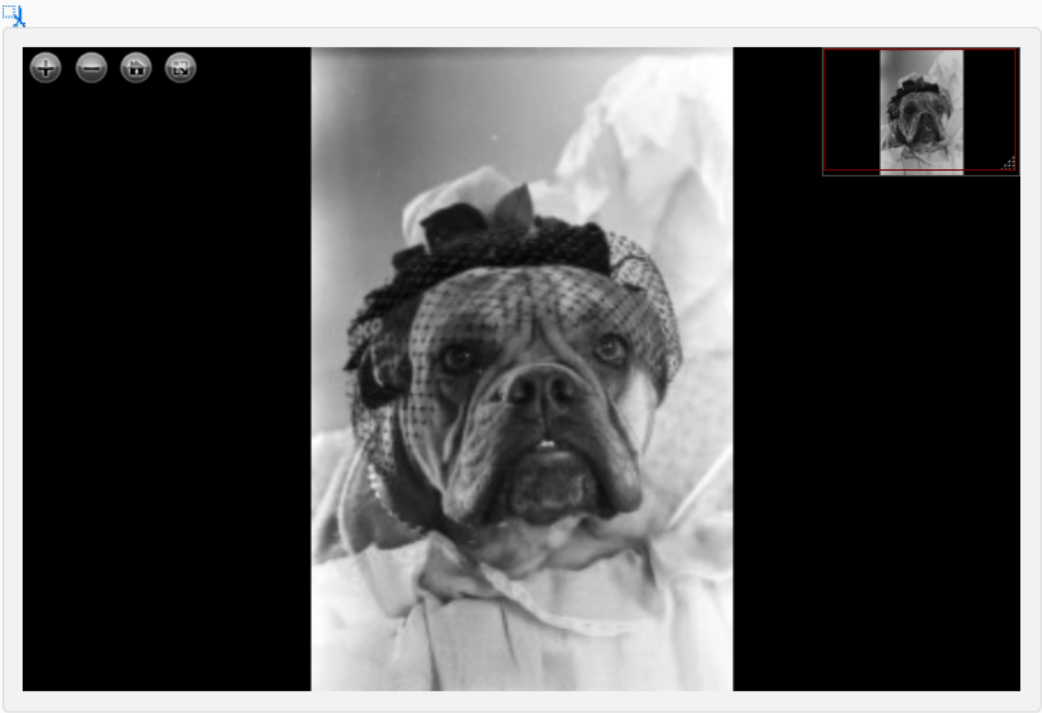
Configuration

Configure the image-toolkit to use ImageMagick rather than GD in Administration > Core Media > Image Toolkit (admin/config/media/image-toolkit). If GD is selected, TN and JP will not be generated.

Dogs : Toronto Humane Society Dogs Wearing Hats

View

MARCXML



Description

Image of a bulldog wearing a hat.

Newspaper Solution Pack build passing

Introduction

This module packages functions for ingesting and displaying newspaper content.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [Islandora Paged Content](#)
- [Islandora OCR](#)
- [Islandora Large Image Solution Pack](#)
- [Islandora Openseadragon](#) (optional)

Installation

Install as usual, see [this](#) for further information.

Configuration

Select configuration options for page derivatives, Parent object and page objects in in Administration » Islandora » /newspaper).

CREATE PAGE DERIVATIVES LOCALLY
These options allow you to create derivatives automatically when ingesting pages, using this server. If you intend to only use microservices to generate derivatives, you should
all PDF documents. Requires ImageMagick.

HOME | BROWSE | SEARCH | TIMELINE | DIRECTORY | ABOUT | PARTNERS | USER GUIDE | [DONATE](#)


Island Newspapers
UPEI | ROBERTSON LIBRARY

The Charlottetown Guardian -- 19391011



[Prev](#)
[Issue](#)
[Next](#)
[All Issues](#)

[Grid view](#)
[List view](#)



Page 1



Page 2



Page 3






PDF Solution Pack build passing

Introduction

Loads all required Fedora Objects, and creates an empty collection object to

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [ImageMagick](#) - Debian/Ubuntu `sudo apt-get install imagemagick`
- [pdftotext](#) - Debian/Ubuntu `sudo apt-get install poppler-utils`

Installation

Install as usual, see [this](#) for further information.

Configuration

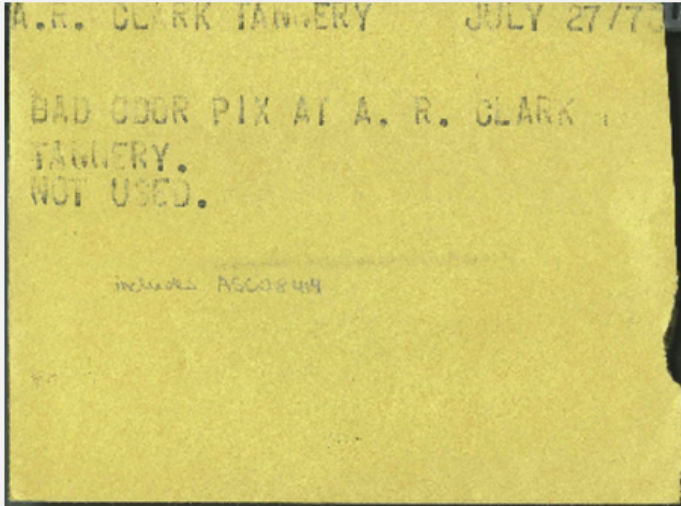
Configure thumbnail and preview image sizes, and set the path for `pdftotext` selected in Administration » Islandora » PDF Collection (admin/islandora/pdf

TEXT
All files users to upload to this with PDFs
Uploaded text files are appended to PDFs as FULLTEXT documents and are indexed into Solr
All Extracted text streams from PDFs using pdftotext
Extracted text streams are appended to PDFs as FULLTEXT documents and are indexed into Solr. Uploading a text file takes priority over text stream extraction.
Note: PDFs that contain either text or do not necessarily contain text streams (e.g. images scanned and saved as PDFs). Consider uploading text files images with no text streams to PDFs and using the [Book Solution Pack](#) with OCR enabled.
Path to pdftotext executable

✓ pdftotext executable found at /usr/bin/pdftotext

A.R. Clark Tannery : Bad odor pix at A.R. Clark Tannery [not used]

View MARCXML



[Download pdf](#)

Description

Image of front and back of negative envelope, and one contact sheet. Assignment: Bad odor Pix A.R. Clark Tannery

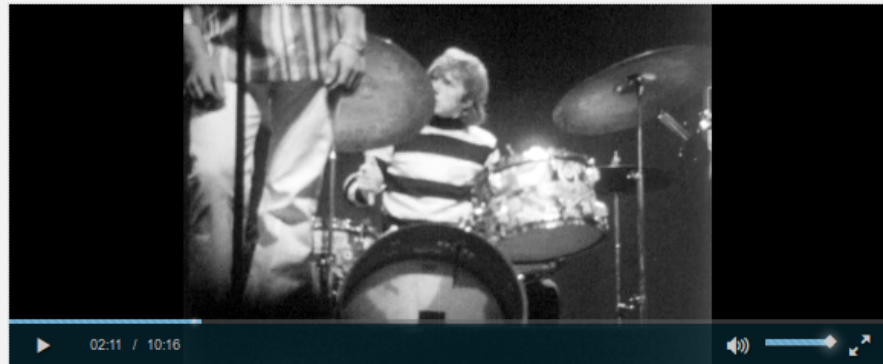
In collections

- [Toronto Telegram](#)

Mariposa folk festival footage

View

MARCXML



Description

Consists of a digitized copy of a silent 16mm film. Film can annotated "Bob Doan Mariposa Folk Festival.", Digitized for preservation and access purposes. Not to be copied, reproduced or distributed without expressed permission of copyright holders.

In collections

- [Mariposa Folk Foundation](#)

Details

README.md

Video Solution Pack build passing

Introduction

Adds all required Fedora objects to allow users to ingest and retrieve video file interface

This module requires libfaac. Libfaac is not free for commercial use.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- FFmpeg - Compilation guides: [Ubuntu](#), [CentOS](#).
- ffmpeg2theora (optional) - [Instructions](#)

FFmpeg version 1.1.4 has been tested. It can be downloaded [here](#)

Sample compile flags: `--prefix=/usr/local/stow/ffmpeg-1.1.4 --enable-gpl --enable-nonfree --enable-postproc --enable-libopencore-amrnb --enable-libbdc1394 --enable-libfaac --enable-libgsm --enable-libmp3lame --enable-lbschroedinger --enable-lbspeex --enable-libtheora --enable-libvorbis --enable-libvpx --enable-libx264 --enable-libxvid`

Installation

Install as usual, see [this](#) for further information.

Web ARChive Solution Pack build passing

Introduction

Adds all required Fedora objects to allow users to ingest and retrieve web archives from Islandora interface.

Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [warctools](#)

Installation

Install as usual, see [this](#) for further information.

Configuration

Set the paths for `warcindex` and `warcfilter` in Administration » Islandora » Solution configuration » Web ARChives (admin/islandora/solution_pack_config/web_archive).

[Home](#) » [Administration](#) » [Islandora](#)
Web ARChive Collection


Path to warcfilter executable. *

/usr/local/bin/warcfilter

Romanian Online Dialect Atlas : An experimental presentation of linguistic information

View

MARCXML



Romanian Online Dialect Atlas
An experimental presentation of linguistic information

MainProjectPapersDialect AtlasIssuesContacts

Welcome!

The Romanian Online Dialect Atlas is an experimental online presentation of dialect information about Romanian.

You can read about the goals of the project, the people who run it, and the project's sponsors under "Project".

As working papers, bibliographies and published papers are prepared, we list them under "Papers". Where feasible, we also make copies of the papers available.




Figure: Part of a RODA MDS map.

You can view the dialect atlas, as it develops, under "Atlas". This is work in progress.

Under "Issues", we report issues and concerns that come from the development of the online atlas, and include a vehicle for you to comment as well.

See "Contacts" for where you may contact us directly, or link to related web sites.

© 2001, 2007 Eric S. Wheeler

Main page

Description

The Romanian Online Dialect Atlas is an experimental online presentation of dialect information about Romanian. The Romanian Online Dialect Atlas project proposes applying innovative contemporary methods in dialect geography to an online set of Romanian dialect data.

Download

- Warc: [Romanian Online Dialect Atlas : An experimental presentation of linguistic information .warc](#)
- PDF: [Romanian Online Dialect Atlas : An experimental presentation of linguistic information .pdf](#)
- Screenshot: [Romanian Online Dialect Atlas : An experimental presentation of linguistic information .png](#)

Many other modules, utilities, viewers, and functions, both contributed to the main Islandora repository, and emerging on the edges...

Islandora Community



Islandora Foundation



Partners:

discoverygarden and UPEI



UNIVERSITY
of Prince Edward
ISLAND

Islandora Foundation

Collaborators:

- LYRASIS
- McMaster University
- UCLA
- University of Connecticut
- York University

Islandora Foundation

Members

- American Philosophical Society
- BESS (Biblioteca Elettronica di Scienze Sociali ed Economiche del Piemonte)
- California Institute of Technology
- PALS (Minnesota State Colleges and Universities)
- Technical University of Denmark
- University of Manitoba
- University of Saskatchewan

Foundation Board

- Board:

- Mark Leggott (Chair), University Librarian, UPEI
- John Eden (Treasurer), discoverygarden Inc.
- Melissa Anez (Vice Chair), Islandora Foundation
- Peter Murray, LYRASIS
- Mark Jordan, Simon Fraser University

- Staff:

- Melissa Anez - Project & Community Manager
- 2015/2016 hire - Programmer/Release Manager

Roadmap Committee

UPEI

Mark Leggott

Donald Moses

Paul Pound

Islandora Foundation

Melissa Anez

DuraSpace

David Wilcox

York University

Nick Ruest

UTSC

Kirsta Stapelfeldt

UConn

Jennifer Eustis

LYRASIS

Chad Nelson

discovery garden, inc.

Nigel Banks

McMaster

Gabriela Mircea

Committers

- Component managers
- 14 developers with “push” access to GitHub
- 27 regular Committers Call attendees
 - Every other Thursday at 2:00 EST via Skype

Interest Groups

- Fedora 4
 - David Wilcox
- Documentation
 - Gabriela Mircea
 - Kirsta Stapelfeldt
 - Kelli Babcock
- Preservation
 - Donald Moses
 - Mark Jordan
 - Nick Ruest
- Archival
 - Sara Allain

Islandora Community

- **Foundation Board**

- Staff

- **User groups**

- Google Groups
 - Users
 - Devs
- Camps

- **Committees**

- Committers
- Roadmap

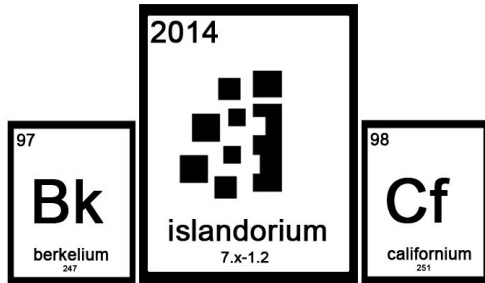
- **Volunteers**

- Code Reviewers
- Testers
- Developers
- Documentors

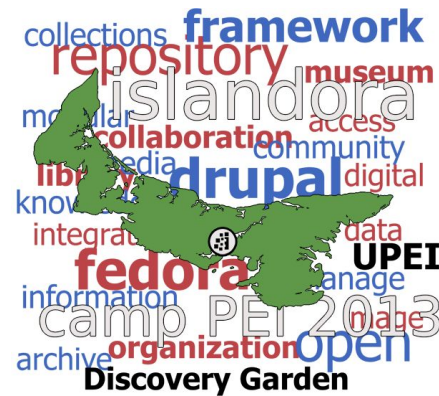
Islandora Installations



Camps



Islandora Camp
Berkeley, CA ☀ January 2014



Volunteers

- Code Reviewers

- Release Manager
- Component Manager

- Testers

- Any user who wants to download RC code/VMs to try out. Aimed at end users.
- Official release testers sign up for certain modules, put them through paces, and close JIRA tickets.

- Developers

- Anyone who contributes modules, tools, forms, or any other code back to the community.
- New CLA to accept contributions under a GNU license.
- Software Acceptance Procedure to define the steps.

Volunteers

First all volunteer release:

7.x-1.3 May 2014



Most recent:

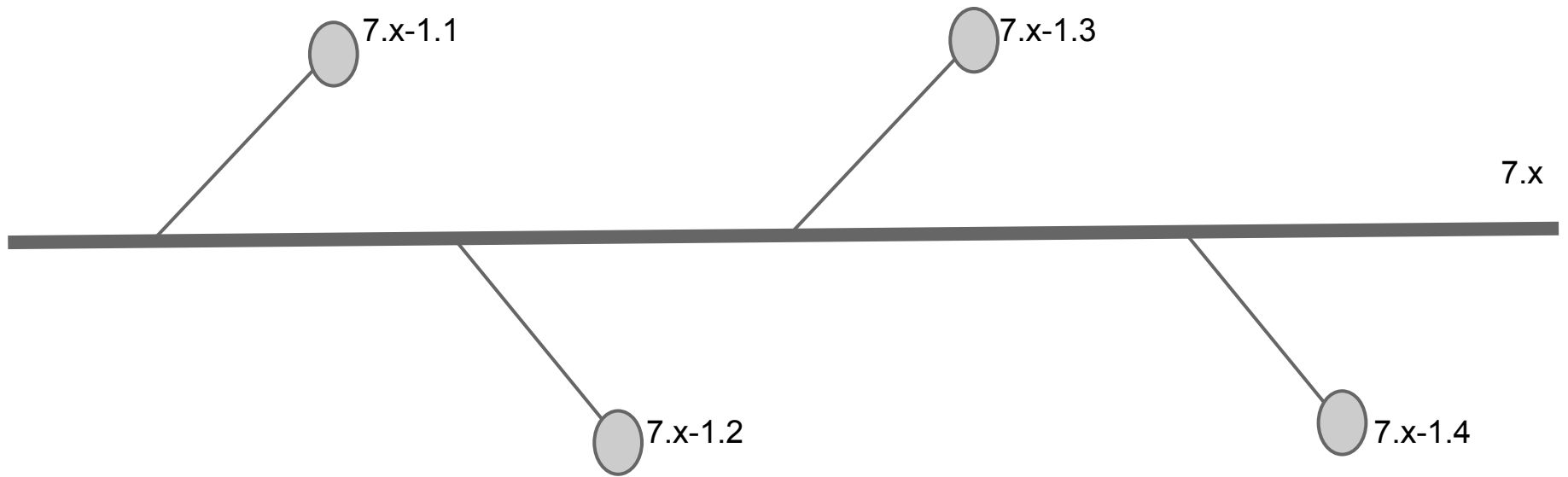
7.x-1.4 October 31st, 2014

Get involved! We have cool t-shirts!

7.x-1.4

Brand Spankin' New

What is a release?



What happens?

Code freeze

Release Candidate

Release

More in depth...

	A	B	C	D	E	F	
1	Module/Library	Component manager	Testers	License	README	Documentation	JIRA - Ready for test
2							
3	Islandora	Nick Ruest					https://jira.duraspace.org/browse/ISLANDORA-874?q=project%20%3D%20ISLANDORA-874
4	Tuque	William Panting					https://jira.duraspace.org/browse/ISLANDORA-1000?q=project%20%3D%20ISLANDORA-1000
5							
6	Solution Pack Audio	Alan Stanley	Donald Moses				N/A
7						https://docs.google.com/spreadsheets/d/1YtkMKfHtJ8E-K8fvFPoYRYmj4mzF91WxFjpAo3fo/edit?usp=sharing	
	Solution Pack Basic Image	Alan Stanley	Sara Allain			https://docs.google.com/spreadsheets/d/1YtkMKfHtJ8E-K8fvFPoYRYmj4mzF91WxFjpAo3fo/edit?usp=sharing	N/A
8							
	Solution Pack Book	Alan Stanley	Sara Allain			https://docs.google.com/spreadsheets/d/1YtkMKfHtJ8E-K8fvFPoYRYmj4mzF91WxFjpAo3fo/edit?usp=sharing	N/A
	Solution Pack Collection	William Panting	Donald Moses				N/A
10						https://docs.google.com/spreadsheets/d/1pFP1-DFm1WZvAU0aIXCr0n9OkalwD/edit?usp=sharing	
	Solution Pack Compound	Nick Ruest	Kim Pham			https://docs.google.com/spreadsheets/d/1YtkMKfHtJ8E-K8fvFPoYRYmj4mzF91WxFjpAo3fo/edit?usp=sharing	https://jira.duraspace.org/browse/ISLANDORA-988?q=project%20%3D%20ISLANDORA-988
11							
	Solution Pack Large Image	Alan Stanley	Sara Allain				N/A
12	Solution Pack Newspaper	Paul Pound	Kirsta Stapelfeldt				N/A
13	Solution Pack PDF	Alan Stanley	Donald Moses				https://jira.duraspace.org/browse/ISLANDORA-457?q=project%20%3D%20ISLANDORA-457
14	Solution Pack Video	Nick Ruest	Melissa Anez				https://jira.duraspace.org/browse/ISLANDORA-1074?q=project%20%3D%20ISLANDORA-1074
15	Solution Pack Web ARChive	Nick Ruest	Kirsta Stapelfeldt				N/A
16							
17						https://docs.google.com/spreadsheets/d/1YtkMKfHtJ8E-K8fvFPoYRYmj4mzF91WxFjpAo3fo/edit?usp=sharing	
	Islandora BagIt	Mark Jordan	Sara Allain			Found issue detailed here: https://docs.google.com/spreadsheets/d/1YtkMKfHtJ8E-K8fvFPoYRYmj4mzF91WxFjpAo3fo/edit?usp=sharing	N/A

Documentation for developers

- [Working With Fedora Objects Programmatically Via Tuque](#)
- [Working Programmatically With XML Forms](#)
- [Programming Solution Packs](#)
- [Coding Standards](#)
- [Git guidelines and best practices](#)
- [How Islandora Code Gets Made](#)
- [Installing and configuring codesniffer](#)
- [Windows support](#)
- [Committers call agendas & notes](#)

Roadmap Meetings

- [2012 Meetings](#)
- [2013 Meetings](#)
- [2014 Meetings](#)

Release Team Meetings

- [7.x-1.4 Meetings](#)

To see all of the current pages on this wiki its best to click the pages link above, a may not be current.

7 x 1.4 Release Meeting

Chair: Nick Ruest






Notes: Sam Fritz

Attending: Nick Ruest, Donald Moses, Sara Allain, Kim Pham, Jordan Dukart, Melissa Anez, Nigel Banks, Paul Pound, Kirsta Stapelfeldt, Alan Stanley, Will Panting, Adam Vessey

Agenda/Notes

Agenda & Notes

1. Timeline updates
 - Code freeze- Monday, branches have been created
 - Release candidate- candidate out approx. month before full release. This will help with documentation.
2. Feature for release or feature for next release? See [this](#) discussion- saved for committers call
3. Documentation
4. doc-a-thon Sept 19th before Roadmap.
5. Open Pull requests
 - Nigel and Alan to take components they are managing
 - ISLANDORA-1042
 - <https://github.com/Islandora/islandora/pull/545> (7.x)
 - <https://github.com/Islandora/islandora/pull/548> (7.x-1.4)
 - https://github.com/Islandora/islandora_bookmark/pull/59 (7.x)
 - https://github.com/Islandora/islandora_bookmark/pull/61 (7.x-1.4)
 - https://github.com/Islandora/islandora_solr_search/pull/188 (7.x)
 - https://github.com/Islandora/islandora_solr_search/pull/190 (7.x-1.4)
 - https://github.com/Islandora/islandora_solution_pack_collection/pull/116 -- MERGED PRE-CODE-FREEZE
 - https://github.com/Islandora/islandora_paged_content/pull/63 -- MERGED PRE-CODE-FREEZE
 - https://github.com/Islandora/islandora_scholar/pull/123 (7.x)
 - https://github.com/Islandora/islandora_scholar/pull/125 (7.x-1.4)
 - https://github.com/Islandora/islandora_xacml_editor/pull/93 (7.x)
 - https://github.com/Islandora/islandora_xacml_editor/pull/95 (7.x-1.4)
 - https://github.com/Islandora/islandora_xml_forms/pull/161 (7.x)

- Order by Due Date Order by Due Date
-  ISLANDORA-1040
Virtual machine users and groups
 -  ISLANDORA-874
Can't Uninstall Islandora via Drush
 -  ISLANDORA-894
Child collections and objects don't get XACML
 -  ISLANDORA-1011
RELS_EXT-to-solr.xslt does not include the ...
 -  ISLANDORA-1020
Recent bugs introduced
 -  ISLANDORA-1024
pages derivative issue
 -  ISLANDORA-1025
Checksum recursion
 -  ISLANDORA-1036
Remove XACML editor dependency from Isl...
 -  ISLANDORA-1047
Bad mime mapping giving bad extensions o...
 -  ISLANDORA-1065
text/xml broken for replacing datastreams



Islandora / ISLANDORA-1040

Virtual machine users and groups





[Comment](#) [Agile Board](#) [More](#) [Reopen Issue](#)

[Share](#) [Export](#)

Details

Type:	 Task	Status:	CLOSED
Priority:	 Minor	Resolution:	Ready for Release
Component/s:	Virtual machine	Fix Version/s:	7.x-1.4
Labels:	None		

People

Assignee:	 Nick Ruest
Reporter:	 Nick Ruest
Votes:	 0
Watchers:	 1 Stop watching this issue

Dates

Due:	30/Sep/14
Created:	20/Aug/14 11:35 AM
Updated:	25/Sep/14 6:36 PM
Resolved:	25/Sep/14 6:36 PM

Agile



[View on Board](#)

Description

Create a group for the virtual machine, and add vagrant user and apache user to that group so that the vagrant user can make changes to Drupal root without sudo/su.

Activity

[All](#) [Comments](#) [Work Log](#) [History](#) [Activity](#) [Subversion](#)

-  [Nick Ruest](#) added a comment - 20/Aug/14 12:29 PM
Created group 'web'
Added users 'vagrant' 'drupal' and 'www-data' to 'web'
chown'd drupal root to 'vagrant:web'
-  [Nick Ruest](#) added a comment - 20/Aug/14 1:17 PM

Component Managers

Adam Vessey

Alan Stanley

Donald Moses

Jordan Dukart

Mark Jordan

Nick Ruest

Nigel Banks

Paul Pound

William Panting

Testers

Donald Moses

Kelli Babcock

Kim Pham

Kirsta Stapelfeldt

Melissa Anez

Sara Allain

Documentation

Ernie Gillis

Kelli Babcock

Kirsta Stapelfeldt

Melissa Anez

Robin Dean

DIG!

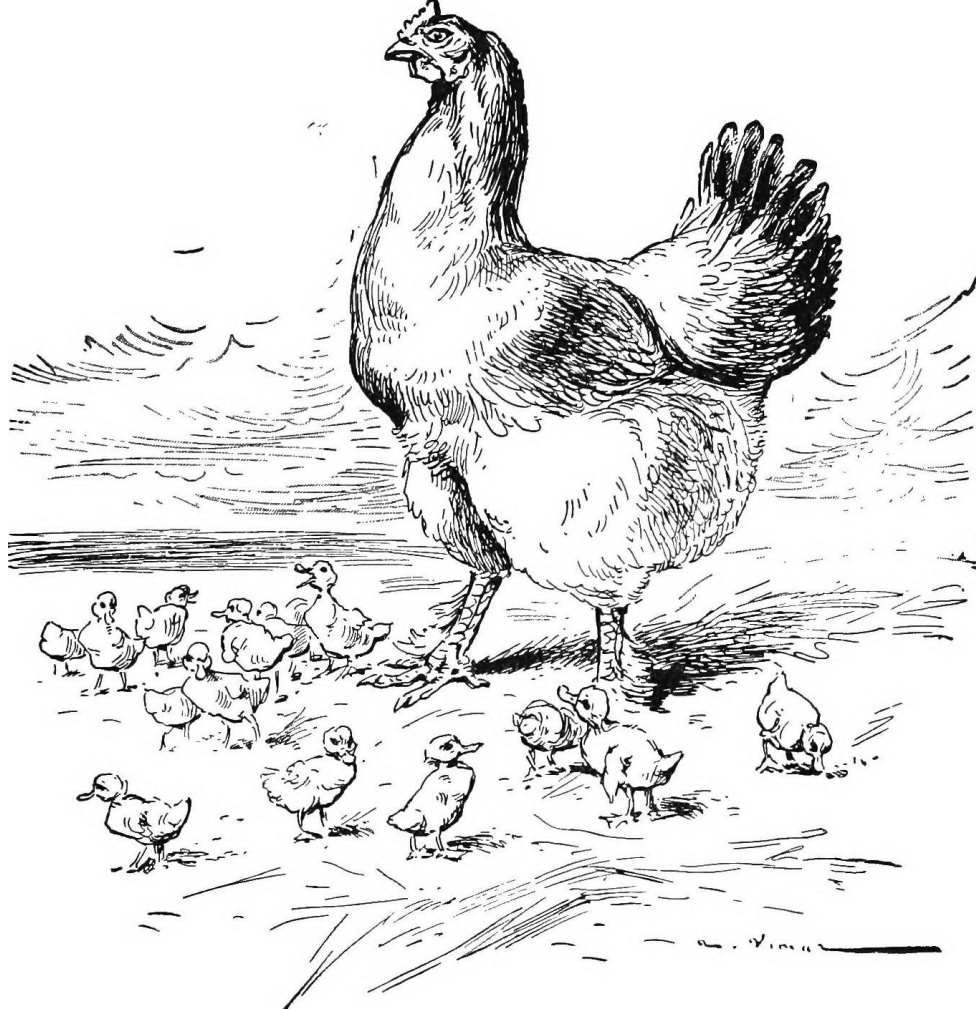


Image from page 22 of "The curly-haired hen" (1914) <https://www.flickr.com/photos/internetarchivebookimages/14760441076>

What's new?

42 modules -- 1 new

Islandora / islandora_videojs

Unwatch 12 Unstar 1 Fork 7

An Islandora viewer module using Video.js. — Edit

23 commits


3 branches

1 release

4 contributors

branch: 7.x islandora_videojs / +

Merge pull request #77 from ruebot/7.x-ISLANDORA-1023

 dltj authored on Sep 8

latest commit b49eef353c

build	testing framework	8 months ago
js	videojs element id matches template, indentation on tpl	8 months ago
theme	videojs element id matches template, indentation on tpl	8 months ago
.travis.yml	Address ISLANDORA-1023	2 months ago
LICENSE.txt	init	a year ago
README.md	Fix Video.js library path - no more 404	4 months ago
build.xml	travis updates	8 months ago
islandora_videojs.info	Changed package	5 months ago
islandora_videojs.module	Fix Video.js library path - no more 404	4 months ago

Code

Pull Requests 0

Wiki

Pulse

Graphs

Settings

SSH clone URL

git@github.com:Is.

You can clone with HTTPS, SSH, or Subversion.

Download ZIP

README.md

Islandora Video.js build passing

Introduction

An Islandora viewer module using Video.js.

The open source HTML5 video player



Customize Me:



[Embed This Player](#)

Video clip from Disney Nature's Oceans



6,917



1,851



2,631



Follow @videojs 1,739 followers

Poor no more

View

Manage

MARCXML



Description

Offers an engaging look at Canadians stuck in low paying jobs with no security and no future., Filmmakers for Social Justice. July 2010. 275.00.

In collections

- [Poor No More](#)

Details

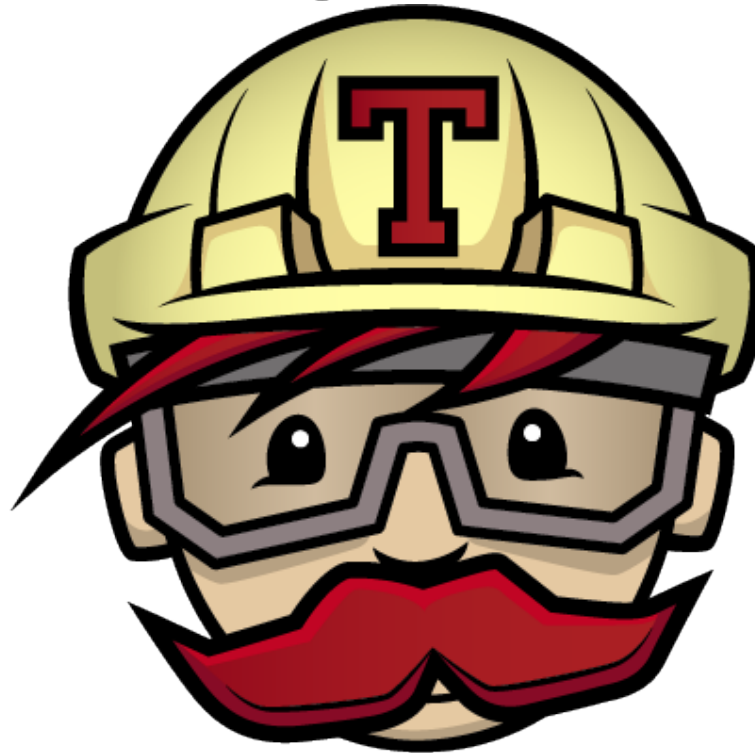
Solr Views

Dog Gallery



HEAD

Tests & Continuous Integration



 branch: 7.x ▾ **islandora / tests / +**


 

This branch is 1393 commits ahead, 245 commits behind alxp:master


















 Pull Request  Compare

potx no longer having recommended dl

 **willtp87** authored 13 days ago

latest commit [d275eb43a4](#) 

..

 fixtures	travis got angry	a year ago
 includes	static context non-static statics contexts pfft	3 months ago
 scripts	potx no longer having recommended dl	13 days ago
 README.md	the readme lies	8 months ago
 authtokens.test	Carry through changes.	a year ago
 datastream_cache.test	Fix some comments for Jordan.	a year ago
 datastream_validator_tests.test	splitting out web test case and unit test case	5 months ago
 datastream_versions.test	Added datastream versions forms.	a year ago
 default.test_config.ini	Created hooks and implemented them as part of the tuque wrapper classes.	2 years ago
 derivatives.test	Update some derivative tests and add a filter function to smarterly f...	9 months ago
 hooked_access.test	Carry through changes.	a year ago
 hooks.test	Resolve issue with recursing. Curse you, PHP!	3 months ago
 ingest.test	No longer auto login the admin user breaks other tests that expect th...	a year ago
 islandora_derivatives_test.info	Updated with tests.	a year ago
 islandora_derivatives_test.module	Change the testing function name.	9 months ago
 islandora_hooked_access_test.info	Add some basic tests for the hooked access callback.	a year ago
 islandora_hooked_access_test.module	Removing deprecated constants	5 months ago

https://travis-ci.org/Islandora/islandora

IFS=\$'\n'

travis

HomeBlogStatusHelp

Travis CI for Private Repositories

Nick Ruest

Search all repositories

My RepositoriesRecent+

Islandora/islandora_image_annotat...45

Duration: 13 min 24 sec

Finished: 4 minutes ago

Islandora/islandora_xml_forms123

Duration: 1 hr 14 min 55 sec

Finished: about 24 hours ago

Islandora/islandora_scholar139

Duration: 32 min 22 sec

Finished: a day ago

Islandora/islandora_bagit21

Duration: 14 min 9 sec

Finished: a day ago

Islandora/islandora_solution_pack_...141

Duration: 1 hr 27 min 26 sec

Finished: a day ago

Islandora/islandora_solution_pack_...54

Duration: 16 min 18 sec

Finished: a day ago

Islandora/islandora705

Duration: 1 hr 32 min 52 sec

Finished: a day ago

Islandora/islandora_solution_pack_...105

Islandora/islandora

build passing

A Drupal module for browsing and managing Fedora-based digital repositories

CurrentBuild HistoryPull RequestsBranch Summary

7.x - Merge pull request #534 from willtp87/7.x.github_hatest_rebaseing

validator fix

Nick Ruest authored and committed

#705 passed

ran for 1 hr 32 min 52 sec
a day ago

Commit 349e2caCompare edbeb19..349e2ca

Build Matrix

Job	Duration	Finished	PHP	ENV
705.1	9 min 37 sec	a day ago	5.3.3	FEDORA_VERSION="3.5"
705.2	10 min 17 sec	a day ago	5.3.3	FEDORA_VERSION="3.6.2"
705.3	10 min 22 sec	a day ago	5.3.3	FEDORA_VERSION="3.7.0"
705.4	8 min 50 sec	a day ago	5.4	FEDORA_VERSION="3.5"
705.5	12 min 39 sec	a day ago	5.4	FEDORA_VERSION="3.6.2"
705.6	10 min 20 sec	a day ago	5.4	FEDORA_VERSION="3.7.0"
705.7	10 min 7 sec	a day ago	5.5	FEDORA_VERSION="3.5"
705.8	11 min 5 sec	a day ago	5.5	FEDORA_VERSION="3.6.2"
705.9	9 min 35 sec	a day ago	5.5	FEDORA_VERSION="3.7.0"

validator fix #534

[Edit](#)

Merged ruebot merged 1 commit into `Islandora:7.x` from `unknown repository` 2 days ago

Conversation 2

Commits 1

Files changed 1

+2 -2



willtp87 commented 2 days ago

Collaborator



No description provided.



validator fix

✓ 5d1d9a8



willtp87 commented 2 days ago

Collaborator



<https://jira.duraspace.org/browse/ISLANDORA-1028>



ruebot commented 2 days ago

Owner



@willtp87++



ruebot merged commit `349e2ca` into `Islandora:7.x` from `unknown repository` 2 days ago

[Revert](#)



ruebot closed this 2 days ago

Labels



None yet

Milestone



No milestone

Assignee



No one assigned

Notifications

[Unsubscribe](#)

You're receiving notifications because you modified the open/close state.

2 participants



Lock pull request


```
Irssi: [ruebot@freenode] [#islandora]
Islandora website: http://islandora.ca >>> Google group: http://groups.google.com/group/islandora >>> DuraSpace Wiki: https://wiki.duraspace.org/display/ISLANDORA/Islandora >>> Main GitHub: https://
Day changed to 10 Oct 2014
-----
Day changed to 11 Oct 2014
Day changed to 12 Oct 2014
-----
3:freenode (change with ^X)
14:00:56 -!- axfelix [-axfelix@S0106a021b79b9a12.vc.shawcable.net] has joined #islandora
14:33:33 -!- islandora-git [-islandora@192.30.252.39] has joined #islandora
14:33:33 -islandora-git:#islandora- [islandora_solution_pack_video] manez opened pull request #89: Update README.md (7.x...7.x) https://github.com/Islandora/islandora_solution_pack_video/pull/89
14:33:33 -!- islandora-git [-islandora@192.30.252.39] has left #islandora []
15:03:57 -!- qadan [-Adium@142.176.115.137] has joined #islandora
16:01:03 -!- islandora-git [-islandora@192.30.252.37] has joined #islandora
16:01:03 -islandora-git:#islandora- [islandora_solution_pack_collection] willtp87 opened pull request #120: maintainer update (7.x...7.x)
https://github.com/Islandora/islandora_solution_pack_collection/pull/120
16:01:03 -!- islandora-git [-islandora@192.30.252.37] has left #islandora []
16:01:36 -!- islandora-git [-islandora@192.30.252.32] has joined #islandora
16:01:36 -islandora-git:#islandora- [islandora_solution_pack_collection] willtp87 opened pull request #121: maintainer update (7.x-1.4...7.x-1.4)
https://github.com/Islandora/islandora_solution_pack_collection/pull/121
16:01:36 -!- islandora-git [-islandora@192.30.252.32] has left #islandora []
17:13:51 -!- qadan [-Adium@142.176.115.137] has left #islandora []
17:26:44 -!- islandora-git [-islandora@192.30.252.34] has joined #islandora
17:26:44 -islandora-git:#islandora- [islandora_solution_pack_collection] ruebot pushed 2 new commits to 7.x-1.4:
https://github.com/Islandora/islandora_solution_pack_collection/compare/230a7f41df7f...2706a8ce7b31
17:26:44 -islandora-git:#islandora- islandora_solution_pack_collection/7.x-1.4 b76c63b willtp87: maintainer update
17:26:44 -islandora-git:#islandora- islandora_solution_pack_collection/7.x-1.4 2706a8c Nick Ruest: Merge pull request #121 from willtp87/7.x-1.4...
17:26:44 -!- islandora-git [-islandora@192.30.252.34] has left #islandora []
17:26:54 -!- islandora-git [-islandora@192.30.252.32] has joined #islandora
17:26:54 -islandora-git:#islandora- [islandora_solution_pack_collection] ruebot pushed 2 new commits to 7.x:
https://github.com/Islandora/islandora_solution_pack_collection/compare/2bc62b2f1f38...6cb3d6e758ee
17:26:54 -islandora-git:#islandora- islandora_solution_pack_collection/7.x 198120e willtp87: maintainer update
17:26:54 -islandora-git:#islandora- islandora_solution_pack_collection/7.x 6cb3d6e Nick Ruest: Merge pull request #120 from willtp87/7.x...
17:26:54 -!- islandora-git [-islandora@192.30.252.32] has left #islandora []
17:42:06 -!- travis-ci [-travis-ci@ec2-50-17-83-205.compute-1.amazonaws.com] has joined #islandora
17:42:06 < travis-ci> Islandora/islandora_solution_pack_collection#182 (7.x - 6cb3d6e : Nick Ruest): The build passed.
17:42:06 >> OpenURL 1
17:42:06 < travis-ci> Change view : https://github.com/Islandora/islandora_solution_pack_collection/compare/2bc62b2f1f38...6cb3d6e758ee
17:42:06 >> OpenURL 2
17:42:06 < travis-ci> Build details : http://travis-ci.org/Islandora/islandora_solution_pack_collection/builds/37706891
17:42:06 -!- travis-ci [-travis-ci@ec2-50-17-83-205.compute-1.amazonaws.com] has left #islandora []
17:55:50 -!- garnett [-axfelix@S0106a021b79b9a12.vc.shawcable.net] has joined #islandora
19:47:00 -!- garnett [-axfelix@S0106a021b79b9a12.vc.shawcable.net] has quit [Ping timeout: 260 seconds]
19:54:24 -!- ksclarke [-kevin@pdpc/supporter/active/ksclarke] has joined #islandora
20:15:18 -!- garnett [-axfelix@S0106a021b79b9a12.vc.shawcable.net] has joined #islandora
20:30:01 -!- garnett [-axfelix@S0106a021b79b9a12.vc.shawcable.net] has quit [Ping timeout: 260 seconds]
21:15:32 -!- ksclarke [-kevin@pdpc/supporter/active/ksclarke] has quit [Quit: Leaving.]
21:37:11 -!- dwilcox [-dwilcox@drmons0505w-142134036000.dhcp-dynamic.FibreOp.ns.bellalliant.net] has joined #islandora
22:18:21 -!- dwilcox [-dwilcox@drmons0505w-142134036000.dhcp-dynamic.FibreOp.ns.bellalliant.net] has quit [Quit: My MacBook Pro has gone to sleep. ZZZzzz...]
Day changed to 12 Oct 2014
09:23:55 ruebot( i) 3:freenode/#islandora( cnt) Act: 4 7 9 10
[#islandora]
```


Preservation

Fixity and File Format Identification

Checksum

- Enables checksum generation on datastreams
- Retrospective checksum generation

FITS

- Applied to canonical archival file (OBJ)
- File Format Identification
- Alternate Checksum Generation
- Extraction of Technical Metadata stored in a separate datastream.

Data Integrity

Checksum Checker

- Cron or user configured checksum verification
- Verification is recorded as a PREMIS-compatible event
- Alerts automatically set when mismatch discovered.

Preservation File Formats / Normalization

Solution Packs follow preservation best practices

- Archival / Preservation Formats
- Ingested files can be normalized to a preferred archival format
 - Typical workflow would be to convert a PDF to PDF/a, a .docx to .odt, etc.
- Normalize to preservation and access formats

Bitstream/Object Replication

BagIt

- Bitstream/Object Copying
- manifest includes checksums
- Highly configurable
- Can include PREMIS XML
- Can produce Archivemata transfer Bags

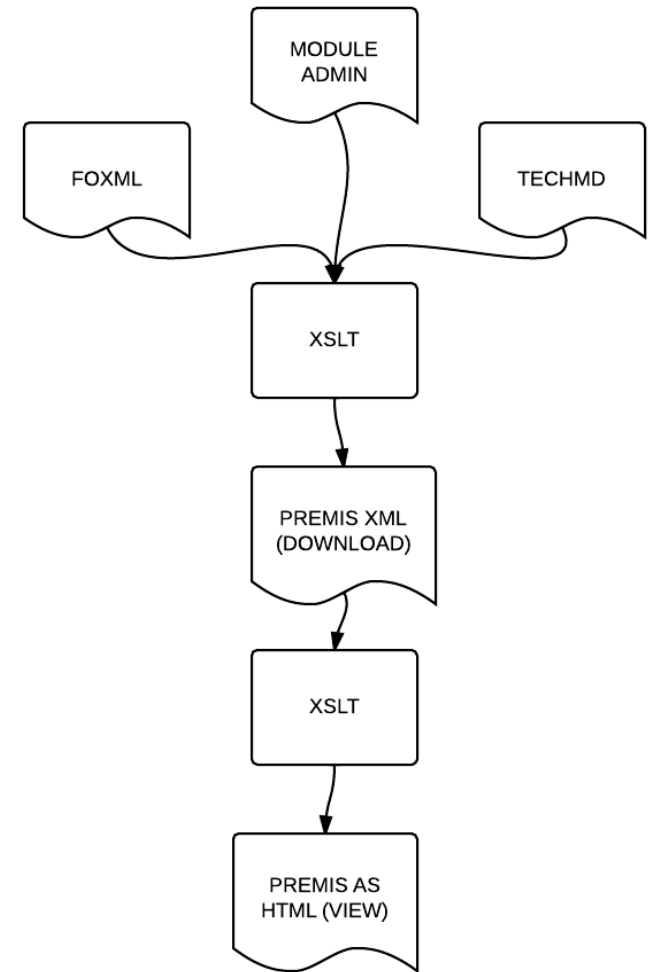
Islandora Vault

- allows Islandora to communicate with Fedora Cloudsync and Duracloud
- prototype module

Preservation Metadata

PREMIS

- Generates PREMIS XML on demand from Fedora Object's Audit Log, extracted technical, descriptive, and rights metadata
- Includes Agent, Event, Object and Rights entities



"City of Dover" : bought by Penetang group

[View](#) [Manage](#) [MARCXML](#) [PREMIS](#)[Download PREMIS](#)

PREMIS Object

Field	Value
objectIdentifierType	Fedora Commons datastreamVersion ID
objectIdentifierValue	AUDIT.0
compositionLevel	0
messageDigestAlgorithm	
messageDigest	
formatName	text/xml
contentLocationType	Fedora Commons contentLocation REF value
objectIdentifierType	Fedora Commons datastreamVersion ID
objectIdentifierValue	RELS-EXT.0
compositionLevel	0
messageDigestAlgorithm	SHA-1
messageDigest	8acd007d964a3bf29e44d0978c1369051a6abb1
size	544
formatName	application/rdf+xml
contentLocationType	Fedora Commons contentLocation REF value
objectIdentifierType	Fedora Commons datastreamVersion ID
objectIdentifierValue	MODS.0
compositionLevel	0
messageDigestAlgorithm	SHA-1
messageDigest	a94e53eb3f379cdd43594ae55047583400a08bb1
size	2387
formatName	text/xml
contentLocationType	Fedora Commons contentLocation REF value
objectIdentifierType	Fedora Commons datastreamVersion ID
objectIdentifierValue	DC.0
compositionLevel	0
messageDigestAlgorithm	SHA-1
messageDigest	ad931b32519134be6074e22da8f332f79f268585
size	1276
formatName	text/xml
contentLocationType	Fedora Commons contentLocation REF value
objectIdentifierType	Fedora Commons datastreamVersion ID
objectIdentifierValue	OBJ.0
compositionLevel	0
messageDigestAlgorithm	SHA-1
messageDigest	ca62dacfbec4ec9ea85c140295102cefabb72b4d
size	16129943
formatName	image/tiff

PREMIS Events

Field	Value
eventIdentifierType	Internal
eventIdentifierValue	AUDIT.0:AUDREC5
eventType	fixity check
eventDateTime	2013-12-31T08:02:52.959Z
eventOutcome	SHA-1 checksum validated.
eventIdentifierType	Internal
eventIdentifierValue	AUDIT.0:AUDREC6
eventType	fixity check
eventDateTime	2013-12-31T08:02:53.056Z
eventOutcome	SHA-1 checksum validated.
eventIdentifierType	Internal
eventIdentifierValue	AUDIT.0:AUDREC7
eventType	fixity check
eventDateTime	2013-12-31T08:02:53.659Z
eventOutcome	SHA-1 checksum validated.
eventIdentifierType	Internal
eventIdentifierValue	AUDIT.0:AUDREC8
eventType	fixity check
eventDateTime	2014-01-11T11:04:59.993Z
eventOutcome	SHA-1 checksum validated.
eventIdentifierType	Internal
eventIdentifierValue	AUDIT.0:AUDREC9
eventType	fixity check
eventDateTime	2014-01-11T11:04:59.993Z
eventOutcome	SHA-1 checksum validated.
eventIdentifierType	Internal
eventIdentifierValue	AUDIT.0:AUDREC10
eventType	fixity check
eventDateTime	2014-01-11T11:04:59.993Z
eventOutcome	SHA-1 checksum validated.

PREMIS Agent

Field	Value
agentIdentifierType	URI
agentIdentifierValue	http://library.yorku.ca
agentName	York University Library
agentType	organization
agentIdentifierType	URI
agentIdentifierValue	http://www.fedora-commons.org/
agentName	Fedora Repository 3.6.2
agentType	software

PREMIS Rights

Field	Value
rightsExtension	Photograph now in public domain. For citation information or to obtain high resolution image, contact ascpj@yorku.ca or see Toronto Telegram FAQ.

Preservation Documentation

- [Generic, York University Libraries.](#)
- [Thank you Scholars Portal!](#)
- Develop a standard set of preservation policies, action plans and related documentation relevant to an Islandora install.
- Ideally a module that an Islandora Repository administrator could install and then customize the resulting documentation as needed.



[Advanced search](#)

Preservation Policy

- [Backup Plan](#)
- [Content Types](#)
- [Definition of AIP](#)
- [Definition of DIP](#)
- [Definition of SIP](#)
- [Designated Community Definition](#)
- [Digital Preservation Implementation Plan](#)
- [Digital Preservation Strategic Plan](#)
- [Environmental Monitoring of Preservation Formats](#)
- [Fixity procedures](#)
- [Registry of file formats](#)
- [Rights Policy](#)
- [URI Policy](#)

Preservation Action Plans

- [Audio](#)
- [Image](#)
- [Theses](#)
- [Video](#)
- [Web Archives](#)

Username *

Password *

Documentation

URI Policy

Submitted by nruet on Wed, 01/22/2014 - 19:06

York University Library URI Policy

Policy Statement

URIs created by York University Digital Library

- York University Digital Library uses a systematic convention to generate unambiguously unique identification for digital objects within its repository. This convention will create a stable name or reference to an object that can be permanently associated with that object, regardless of future changes to organizational structure or to digital access protocols.
- This is in conformance with section 4.2.4 of Metrics for Digital Repository Audit and Certification (CCSDS, June 2009) which states that a compliant repository "shall have and use a convention that generates persistent, unique identifiers for all AIPs" and "its components."
- This convention will ensure that "each AIP can be unambiguously found in the future" and that "each AIP can be distinguished from all other AIPs in the repository"

Implementation

Islandora object

York University Digital Library canonical URIs are consistently constructed in the following manner:

- `/islandora/object/PID`

These URIs are aliased using [Islandora Pathauto](#) to the following pattern:

- `[fedora:pid]/[fedora:label]`

Example:

- **Photograph:** New Woodbine : racehorses train for opening of season
- **Canonical URI:** <http://digital.library.yorku.ca/islandora/object/yul:88675>
- **Aliases URL:** <http://digital.library.yorku.ca/yul-88675/new-woodbine-racehorses-train-opening-season>

Islandora object datastream

York University Digital Library object datastream canonical URIs are consistently constructed in the following manner:

- `/islandora/object/PID/datastream/DATASTREAM_NAME/view`
- `/islandora/object/PID/datastream/DATASTREAM_NAME/download`
- `[fedora:pid]/[fedora:label]/datastream/DATASTREAM_NAME/view`
- `[fedora:pid]/[fedora:label]/datastream/DATASTREAM_NAME/download`


Example:

- **Photograph:** New Woodbine : racehorses train for opening of season

Preservation Interest Group

“The purpose of the [Islandora Preservation Interest Group](#) is to develop and communicate a common approach to address preservation within the Islandora framework.”

Check out the repo!


 **Islandora / Islandora-Preservation-Interest-Group** Unwatch 30 ★




— Edit


32 commits 1 branch 0 releases 3 contributors

branch: master **Islandora-Preservation-Interest-Group / +**

couple of little formatting tweaks

 **ruebot** authored 8 days ago latest commit 53da2eae8d

 background_services_discussion_paper	couple of little formatting tweaks	8 days ago
 meetings	Meeting 01 notes	2 months ago
 README.md	Remove Robin.	26 days ago

 **README.md**

Islandora Preservation Interest Group

Convenors


- Donald Moses (UPEI)
- Nick Ruest (York)
- Mark Jordan (SFU)

Terms of Reference


- The name of the IIG is the Islandora Preservation Interest Group
- The purpose of the Islandora Preservation Interest Group is to develop and communicate a common approach to address preservation within the Islandora framework.
- Specific goals, activities, outcomes may include:
 - Discussing, developing, testing, implementing and documenting preservation best practices within the


branch: master **Islandora-Preservation-Interest-Group / background_services_discussion_paper /**

couple of little formatting tweaks

 **ruebot** authored 8 days ago

..

 **README.md** couple of little formatting tweaks

 **README.md**

Islandora Background Processes Discussion Paper

Mark Jordan, July 21, 2014

Overview and purpose of this document

This document proposes an alternative to the way that most derivatives are currently created by Islandora solution packs and describes a generalized framework for Islandora that can accommodate both external (e.g., RESTful) services and background processes running on the Drupal server. The proposed alternative can coexist with currently available solution packs, and microservice-based approaches to creating derivatives, if the solution packs are modified slightly.

The document also introduces a proof-of-concept implementation that demonstrates using a RESTful Optical Character Recognition service to create Islandora datastreams.

The purpose of the document is to encourage discussion around how the Islandora community, and communities supporting other repository platforms, can support a healthy ecosystem of services that can be shared across institutions, that require zero (or near-zero) configuration, and that are highly scalable.

Derivative creation in Islandora

Islandora solution packs typically create derivatives from the OBJ datastream as it is uploaded by the user in the target collection's ingest form. Uploading of the user's file, creating the derivatives, and submitting the ingest form are performed in sequence. Solution

Membership

- Mark Jordan (Simon Fraser University)
- [Nick Ruest](#) (York University)
- Donald Moses (UPEI)
- Melissa Anez (Islandora Foundation)
- Mark Leggett (UPEI)
- Ryan Gjerde (Luther College)
- Nathan Books (Northern Illinois University)
- Aaron Collie (Michigan State University)
- Alex Kent (PALS)
- Michael Bolam (University of Pittsburgh)
- Kelli Babcock (University of Toronto Libraries)
- Allison Brown (University of Otago Library)
- Kirsta Stapelfeldt (University of Toronto)
- Becky Yoose (Grinnell College Libraries)
- Ernie Gillis (Berklee College of Music Archives)
- Sofia Becerra-Licha (Berklee College of Music Archives)
- Gloria Gonzalez (UCLA)
- Stephen Davison (UCLA)
- Jane Monson (University of Northern Colorado)
- Andrew Berger (Computer History Museum)
- Caleb Derven (University of Limerick)
- Kilian Amrhein (Zuse Institute Berlin)
- [Eric Luhrs](#) (Lafayette College Libraries)
- [James R. Griffin III](#) (Lafayette College Libraries)
- [Thomas Goodnow](#) (Lafayette College Libraries)
- [Alex Garnet](#) (Simon Fraser University)
- Angela Dappert (Digital Preservation Coalition)
- Courtney Mumma (Artefactual)

What else are we thinking about?

Roadmap

Checksum checker

- check fits checksum
- check objects outside islandora - in bags?
- check objects upon ingest that has pre-existing checksums

PREMIS

*more rights metadata sources -- we just do dc.rights now derivative

FITS

- Format identification

BagIt

- Batch ingest/import from bags
- External referrals to archival objects in Bag
- Use manifest to check the checksum from the manifest with the
- Provide a way to feed "plugin" parameters into Drush or in some

PDF Solution Pack

- Create PDF/A upon ingest

Utilize Archivemata Format Policy registry (REST api)

- Be a client/consume that info
- Remove specifics of preservation master derivative creation from each solution pack, and instead use the Archivemata format policy registry to define how those derivatives are created

Nick Ruest: policy and documentation <http://digital.library.yorku.ca/tags/digital-preservation-policy> <http://digital.library.yorku.ca/tags/preservation-action-plan> <https://spotdocs.scholarsportal.info/display/ODCC/Policies%2C+procedures%2C+and+best+practices+documents>

Becky Yoose: On D6 but will be implementing various preservation modules Will be putting OJS and OCS content into Islandora

Nathan Books: I7 and Fedora, DSpace, Developing formal preservation policy

Ernie Gillis and Sofia Becerra-Licha: No formal digital preservation policy in place -- archives formally established in October 2012 with hiring of first college archivist, so we're just getting started. New to Islandora/Fedora. Starting by using it to set up repository for master's capstone projects, which involve a variety of media formats. Media requirements will be heavy in audio and video content. Projects created with extensive multimedia (including audio, video, animation, etc) will be uploaded by students and curated professional staff.

Mark Jordan: Contentdm to Islandora migration by end of calendar year; will be using FITS and checksum functionality in Islandora for sure Will be migration our IR to Islandora after the Cdm migration, and this content will be pushed to Archivemata for AIP creation and mngt

Ryan Gjerde and Sasha Griffin: Focusing on digital preservation with regards to records management and born digital records Also marrying this with need for asset management on campus

Andrew Berger: Just starting out with Islandora and digital preservation Highest priority getting control over what we have Lots of large (HD) digital video files (production quality oral history, exhibit, event video, PBS show). Also looking at Archivemata

Some other ideas...

formatURI & Pronom?

info:pronom/fmt/7

info:pronom/fmt/8

info:pronom/fmt/9

info:pronom/fmt/10

```
<fits xsi:schemaLocation="http://hul.harvard.edu/ois/xml/ns/fits/fits_output http://hul.harvard.edu/ois/xml/xsd/fits/fits_output.xsd" version="1.0">
  <identification>
    <identity format="Tagged Image File Format" mimetype="image/tiff" toolname="FITS" toolversion="0.6.3">
      <tool toolname="Jhove" toolversion="1.5"/>
      <tool toolname="file utility" toolversion="5.09"/>
      <tool toolname="Exiftool" toolversion="9.13"/>
      <tool toolname="Droid" toolversion="3.0"/>
      <tool toolname="NLNZ Metadata Extractor" toolversion="3.4GA"/>
      <tool toolname="ffident" toolversion="0.2"/>
      <version toolname="Jhove" toolversion="1.5" status="CONFLICT">5.0</version>
      <version toolname="Droid" toolversion="3.0" status="CONFLICT">3</version>
      <version toolname="Droid" toolversion="3.0" status="CONFLICT">4</version>
      <version toolname="Droid" toolversion="3.0" status="CONFLICT">6</version>
      <externalIdentifier toolname="Droid" toolversion="3.0" type="puid">fmt/7</externalIdentifier>
      <externalIdentifier toolname="Droid" toolversion="3.0" type="puid">fmt/8</externalIdentifier>
      <externalIdentifier toolname="Droid" toolversion="3.0" type="puid">fmt/9</externalIdentifier>
      <externalIdentifier toolname="Droid" toolversion="3.0" type="puid">fmt/10</externalIdentifier>
    </identity>
  </identification>
```

FedoraApi.php PHP
Last indexed on Feb 21

```
642 * - formatURI: the format URI of the datastream.
643 * - checksumType: the algorithm used to compute the checksum. One of
...
707 $this->connection->addParamArray($request, $separator, $params, 'formatURI');
708 $this->connection->addParamArray($request, $separator, $params, 'checksumType');
```

Datastream.php PHP
Last indexed on Jun 12

```
1431 break;
1432
1433 case 'set':
1434   $this->modifyDatastream(array('formatURI' => $value));
1435   break;
...
1435 break;
1436
1437 case 'unset':
1438   $this->modifyDatastream(array('formatURI' => ''));
1439   break;
```

Object.php PHP
Last indexed on Oct 2, 2013

```
839 'dsState' => $ds->state,
840 'formatURI' => $ds->format,
841 'checksumType' => $ds->checksumType,
842 'mimeType' => $ds->mimeType,
```

tests/FedoraApiTest.php PHP
Last indexed on Nov 26, 2013

```
936 $this->apim->modifyDatastream($pid, $dsid, array('formatURI' => 'testtesttest'));
937 $actual = $this->apim->getDatastream($pid, $dsid);
```

How are these search results? [Tell us!](#)

Resources

- [List of Modules](#)
- [Forms & Scripts](#)
- [Community Ambassadors](#)
- [Intellij](#)
- [Blog](#)
- Social Media
 - [Twitter](#)
 - [Facebook](#)

Documentation for developers

- [Working With Fedora Objects Programmatically Via Tuque](#)
- [Working Programmatically With XML Forms](#)
- [Programming Solution Packs](#)
- [Coding Standards](#)
- [Git Guidelines and Best Practices](#)
- [How Islandora Code Gets Made](#)
- [Installing and Configuring Codesniffer](#)
- [Windows Support](#)
- [Committers Call Agendas & Notes](#)
- IRC!!!
 - #islandora on freenode

Demos

Visualizations - Solr Views/Solr Metadata

Video Transcripts (UTSC)

[Web archives](#)

Multisite - Heritage, DSU, UPEI (VRE service)

Institutional Repositories (UPEI)