Migration from Dspace to Islandora version 8

Todd Peters
Head, Digital & Web Services

Jason Long
Programmer Analyst

TCDL 2022 DIGITAL JUGGLING

TEXAS STATE UNIVERSITY

Digital Collections

Keyword search..   Search

UNIVERSITY ARCHIVES

THE WITTLIFF COLLECTIONS

The Digital Collections repository provides access to digitized materials from The Wittliff Collections, the University Archives, and other materials unique to Texas State University. There are additional online exhibits that have been curated, interpreted and contextualized from The Wittliff Collections and the University Archives on our Omeka platform.

Background

- 2012 Dspace 1.8

- XMLUI interface - potential single portal for both scholarship and online exhibits

TEXAS STATE UNIVERSITY®

Background

- 2020 Dspace 6.X

- Presentation and workflows great for scholarship

- Not a good platform for dynamic, friendly, engaging special collections exhibits

- Poor handling compound objects and video

TEXAS ★ STATE
UNIVERSITY

Search 🔍

AUTHOR'S CORNER

About Digital Collections

Add Your Work

Submission Types

Agreements and Forms

FAQs

BROWSE

All of Digital Collections

Communities & Collections

ACCOUNT

Login

STATISTICS

Most Popular Items

Statistics by Country

Most Popular Authors

RSS FEEDS

🟠 RSS 1.0

Digital Collections Repository

The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced and owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge generated by the university community, which includes faculty publications, theses & dissertations, plus digitized materials from The Wittliff Collections, the University Archives, and other materials unique to Texas State University. It is a professionally maintained archive that gives the university's intellectual and creative output increased visibility and accessibility over time.

Communities

Select a community to browse its collections.

Departments, Schools, Centers & Institutes

This collection provides access to the research, creative, and scholarly activities of Texas State University.

Electronic Theses and Dissertations

The Electronic Theses and Dissertations (ETDs) Collection represents the valuable scholarly and artistic content created by masters and doctoral students at Texas State University.

Journals and Conference Proceedings

The Journals and Conference Proceedings Collection includes publications reviewed and published by members of the university community and proceedings from conferences hosted by, or sponsored by, Texas State University.

The Wittliff Collections - Digital Collections

Visit our new Digital Collections: https://dc.library.txstate.edu

University Archives - Digital Collections

Visit our new Digital Collections: https://dc.library.txstate.edu

Up Close and Personal: Mike Judge (Video)

Date
2005

Author
👤 Austin Film Festival

Metadata
Show full metadata

Description
Mike Judge, Jim Dauterive (moderator)

Rights
Copyright is retained in accordance with U.S. copyright laws. Please visit
https://www.thewittliffcollections.txstate.edu/research/visit/policies/publication.html for
information on duplication and use.

Uri
https://digital.library.txstate.edu/handle/10877/7361

Collections
Austin Film Festival OnStory Archive

Download

Name: AFF-Dspacetxt.html
Size: 458bytes
Format: HTML

Download

Planning

- Team was formed archivists, metadata specialists, technology staff
- Reviewed other library sites
- Looked at options such as a Samvera-based repository using Blacklight for public interface.

islandora

https://www.islandora.ca/

- Limited local programming resources

- Closer to turnkey

- Native Drupal modules should work

- PHP based

TEXAS STATE UNIVERSITY

Timing

- Major differences between versions 7 and 8
- Lots of discussions by libraries planning for difficult version 7 to 8 migration
- However, version 8 is new, not as many established repositories or sources of information
- More logical to start with version 8 rather than face difficult migration soon after

TEXAS STATE
UNIVERSITY

Extraction of Metadata from Dspace

- Created collections 1st in Islandora to generate Node ID

- Python Scripts

- Dspace Rest interface 1 collection at a time

Extraction of Metadata from Dspace (cont)

- Crosswalk Dublin Core to Islandora field types

- Add Islandora "Node_id",
  "field_display_hints","field_model" for content type

- Saved in MS Teams site for archivists to edit

TEXAS ★ STATE
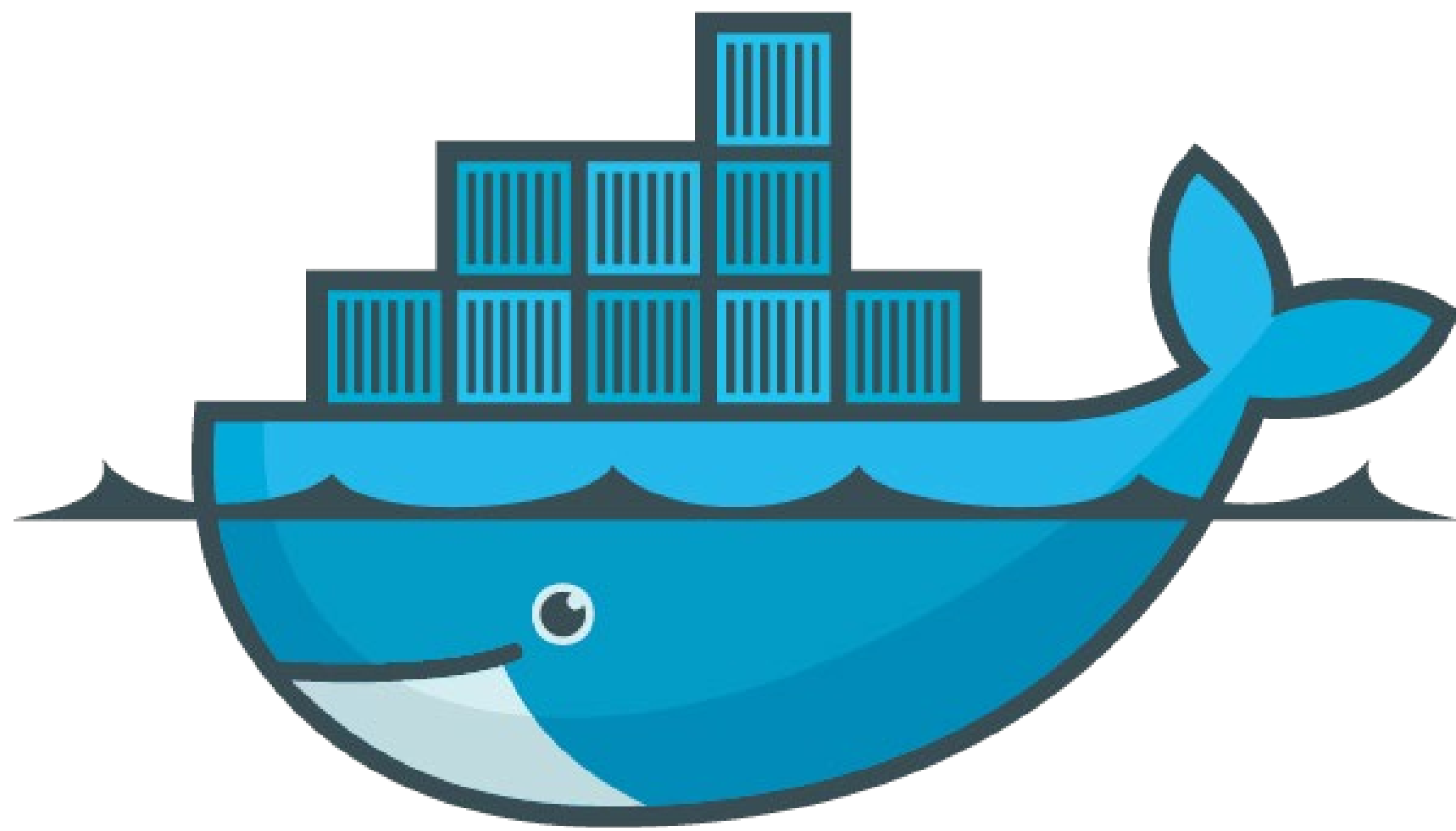UNIVERSITY ®

Extraction of Metadata from Dspace (cont)

- Planned to use Dspace metadata directly in Islandora in Phase One and replace with updated data in Phase Two.

But

- some fields needed editing, such as "dc.date" which required strict conformation to EDTF (Extended Date Time Format)

Islandora Install

- Initially attempted manual install

- TXSTATE data center requires Red Hat Enterprise Linux

- Islandora developed with Ubuntu

- Ran into problems with compatibility of some modules.

- Reassessed and decided to install Dockerized version of Islandora rather than debugging for RHEL

https://www.docker.com/

A container is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another.

A Docker container image is a lightweight, standalone, executable package of software that includes everything needed to run an application: code, runtime, system tools, system libraries and settings.

TEXAS ★ STATE
UNIVERSITY ®

Islandora ISLE

- ISLE is a suite of Docker containers that run the various components of Islandora

- Newer project, still in development alpha releases

- Not many production installs

- https://islandora.github.io/documentation/installation/docker-introduction/

Islandora Install - Search & Facets

- Installed Drupal modules
  - Search API Solr
  - Facets

TEXAS ★ STATE
UNIVERSITY ®

Issue: Facets require Search

Users won't see Facets on side bar browsing through site. Facets only show up after a search is performed.

Default item display was modified to make Subject links a Search instead of taxonomy link.

TEXAS STATE UNIVERSITY ®

Drupal Module

- Customized entity formatter to make subject terms a search URL

- Appreciate help from University of Texas and Arizona State University
    Minnie Rangel, University of Texas Libraries
    Eli Zoler, Arizona State University

Alternative Title

Billy Gray, Bev Church, Willie

Creator

Creator: Beckham, Wayne, 1929-2001

Date Created

1970

Description

Billy Gray, Beverly Church, and Willie Nelson backstage at Panth

Subject

Nelson, Willie, 1933-

Gray, Billy, 1924-1

Church, Beverly

https://dc.library.txstate.edu/taxonomy/term/279

Country music

Panther Hall (Fort Worth, Tex.)

Alternative Title

Billy Gray, Bev Church, Willie

Creator

Creator: Beckham, Wayne, 1929-2001

Date Created

1970

Description

Billy Gray, Beverly Church, and Willie Nelson backstage at Panther Hall.

Subject

Nelson, Willie, 1933-

https://dc.library.txstate.edu/search?f%5B0%5D=subject%3ANelson%2C%20Willie%2C%20

Church, Beverly

Country music

Panther Hall (Fort Worth, Tex.)

TEXAS ★ STATE
UNIVERSITY

Loading Data

- Islandora Workbench
- A command-line tool that allows creation, updating, and deletion of Islandora content from CSV data
- https://github.com/mjordan/islandora_workbench
- Greatly appreciate help and questions answered by creator

  Mark Jordan, Simon Fraser University Library

Loading Data

- Docker and Drupal were new technologies for us, so it took much longer to get system running than expected
- During that time archivists were updating Dspace metadata
- Ended up reloading most collections and not using Dspace metadata as planned.
- Added new metadata, such as URL for finding aids in ArchivesSpace repository

If Do Over

- More on planning end
- Plan on revising metadata up front
- Not sure if would use ISLE docker version, might spend more time resolving Red Hat issues

Digital Collections

Thanks!

Keyword search.. | Search

https://dc.library.txstate.edu

Todd Peters, Head Digital & Web Services

tp09@txstate.edu

Jason Long, Programmer Analyst

j_l408@txstate.edu

UNIVERSITY ARCHIVES

THE WITTLIFF COLLECTIONS

The Digital Collections repository provides access to digitized materials from The Wittliff Collections, the University Archives, and other materials