Bayou City DAMS: Outside the Box

Andy Weidner, Sean Watkins, Bethany Scott, Anne Washington, Matt Richardson, Annie Wu, Santi Thompson

South Central States Fedora Users Group Meeting
M.D. Anderson Library | Houston, TX | January 11, 2017
DAMS Task Force (Annie)
BCDAMS Project (Andy)
Greens (Andy)
Cedar (Anne)
Migration (Anne)
ArchivesSpace (Matt)
Halls (Bethany)
Carpenters (Bethany)
Brays (Sean)
Armand (Sean)
Next Steps (Santi)
DAMS Task Force ...with Annie

- Evaluate DAMS Landscape
- Identify Viable Replacements
- Test Systems
- Make Recommendation
- Implement System

Task Force Members:
- Annie Wu (chair)
- Andy Weidner (co-chair)
- Bethany Scott
- Santi Thompson
- Sean Watkins
Implementation Plan

Phase 1: Systems Integration and Development

Phase 2: Data Migration

Phase 3: Interface Design

Assessment, Documentation, and Training
Digital Access & Preservation Working Group

- DAMS & Digital Preservation Task Force Members
- Iterative Development
  - Tools
  - Workflows
- Communicate Progress

**DAPWG Members**

- Andy Weidner (Project Manager)
- Drew Krewer
- Bethany Scott
- Anne Washington
- Sean Watkins
- Matt Richardson
BayouCityDAMS

- BC DAMS Home
- Products: Armand | Brays | Buffalo | Carpenters | Cedar | Greens | Halls | Hunting
- Workflow: Migration | Preservation | Access

Contents [hide]
About
Product Documentation
Workflow Documentation

About

The Bayou City DAMS (BCDAMS) is the University of Houston Libraries digital asset management system for digitized and born digital cultural heritage materials. Designed around Hydra-in-a-Box, Archivematica, and ArchivesSpace, the BCDAMS includes a variety of applications that facilitate the creation and maintenance of digital objects for preservation and access.
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**Phase One**

- Greens
- Brays
- Buffalo
- Cedar

**Carpenters**

- Halls
- Hunting
- Cedar: Vocabulary

**Armand:**

- Vagrant
- Demo Content

**Other Tasks:**

- EAT
- Cedar: Vocabulary Workflow
Digital Curation Ecosystem

KEY
- Data Input
- API Request
- Data Output

PM/MM/AC Files
Carpenters
- Preservation Files SIP
- Preservation ARK
AC Files
- Digital Object ARK
- Authority Validation
Brays

Cedar
- Authority ARK
- POST Digital Objects
- Access Files DIP

Greens

Archivematica
- Collection Hierarchy
- Access Files SIP

Halls

ArchivesSpace

Armand

Files

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Community Development

PM/MM/AC Files → Carpenters

Preservation ARK → Greens

Digital Object ARK → Cedar

Authority ARK → Halls

Access Files DIP → Armand

Preservation Files SIP → Archivematica

Collection Hierarchy

Authority Validation

POST Digital Objects

Access Files SIP

ARCHIVES OF THE UNIVERSITY OF HOUSTON
Greens ...with Andy
Greens: ID Minter & Resolver

- Need for persistent identifier
- Mint Archival Resource Key (ARK) identifiers
- Resolve identifiers to a target URL

erc:
who: Northern France
what: Book of Hours, Use of Reims (Binding)
when: 1400-1499
where: http://digital.lib.uh.edu/collection/reims/item/20
Bayous Concept

http://id.loc.gov/authorities/subjects/sh85012513  Close Matches
http://vocab.getty.edu/aat/300008674  Close Matches
https://id.lib.uh.edu/ark:/84475/au9180vs53d  Exact Matches

erc:
who: University of Houston Libraries Vocabularies
what: Bayous
when: 2016-06-23
where: https://vocab.lib.uh.edu/en/concepts/sh85012513
Cedar

UNIVERSITY of HOUSTON LIBRARIES
Vocabularies

Start typing to browse concepts

Title
A name given to the resource.
Waves on Seawall 4:30-5:00 p.m.

Alternate Title
An alternative name for the resource.
drzerm.alternative

Series Title
A title that the part has been issued, the title of the series.
drzerm.series

Creator
An entity primarily responsible for making the resource.
Frazier, Ilsa Durbar

Contributor
An entity responsible for making contributions to the resource.
drzerm.contributor

Publisher
An entity responsible for making the resource available.
drzerm.publisher

Date
A point or period of time associated with an event in the lifecycle of the resource.
1915-06-16

Language
A language of the resource.
drzerm.language

Description
A description of the resource.
Waves on the Galveston Seawall between 4:30 and 5:00 p.m. before the hurricane.
Cedar ...with Anne

PM/MM/AC Files

Carpenters

Preservation Files SIP

Collection Hierarchy

Greens

Cedar

Authority ARK

Authority Validation

Cedar

Digital Object ARK

Address Space

 Preservation ARK

Brays

Access Files DIP

Archivematica

Access Files SIP

Armand

Halls

Access Files DIP

POST Digital Objects
Cedar: Local Vocabulary Manager

- Authority control
- Workflow efficiency
- Linked Data ready
Cedar: Local Vocabulary Manager

Concepts Hierarchical

- Agent
  - Organization
  - Person
- Place
- Topic
  - Bayous
  - Bays
  - Beer
  - Bells
  - Benches
  - Benefactors
  - Bicycles
  - Bicyclists

Sections
- HIERARCHICAL
- ALPHABETICAL
- DRAFT
- EXPIRED

Links
- NEW CONCEPT
Cedar: Local Vocabulary Manager

**Please Note:** LC Classification entries are not included in general search results. You must explicitly select LC Classification in order to search the scheme. This is temporary while the impact of adding LCC to the current system is better understood.
Cedar: Local Vocabulary Manager

Bayous Concept

Representations
- HTML
- RDF/XML
- RDF/TURTLE
- RDF/NTRIPLES
- CONCEPT URI
Cedar: Local Vocabulary Manager

@prefix : <https://vocab.lib.uh.edu/>.
@prefix dct: <http://purl.org/dc/terms/>.
@prefix foaf: <http://xmlns.com/foaf/spec/>.
@prefix iqvoc: <http://try.iqvoc.net/schema#>.
@prefix owl: <http://www.w3.org/2002/07/owl#>.
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>.
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>.
@prefix schema: <https://vocab.lib.uh.edu/schema#>.
@prefix skos: <http://www.w3.org/2004/02/skos/core#>.
@prefix void: <http://rdfs.org/ns/void#>.

:concept skos:prefLabel "Concept"@en.
:sh85012513 a skos:Concept;
    schema:memberOf :aat;
    schema:memberOf :lccsh;
    skos:inScheme :schema;
    skos:prefLabel "Bayous"@en;
    skos:broader :concept;
    skos:closeMatch <http://id.loc.gov/authorities/subjects/sh85012513>;
    skos:closeMatch <http://vocab.getty.edu/aat/300008674>;
    skos:exactMatch <https://id.lib.uh.edu/ark:/84475/au9180vs53d>.
Migration ...with Anne

- **PM/MM/AC Files**
  - Carpenters
    - Greens
      - Cedar
        - Brays
  - AC Files
    - Preservation ARK
      - Preservation Files SIP
        - Collection Hierarchy
          - Archivematica
            - ArchivesSpace
              - Halls
                - Armand
  - Access Files DIP
    - POST Digital Objects
      - Authority ARK
        - Authority Validation
          - Digital Object ARK
Migration

Hunting
➢ CONTENTdm API Wrapper
➢ Metadata Field Analysis

Buffalo
➢ Migration Toolkit
➢ Grant Collaboration
Update Title guidelines #11

metaweidner opened this issue on Sep 15 • 7 comments

- https://uhlibraries-digital.github.io/bcdams-map/#title

metaweidner commented on Sep 15

- added the needs feedback label on Sep 15
- added this to the 2016-10-12 milestone on Sep 15
- assigned amgaynor, librarycard, christinz, and lisacrucses on Sep 15

amgaynor commented 10 days ago

Can identical titles be used for different objects? E.g. "Agreement and contract."
Should we add a date at the end to distinguish items when possible? What if it's the same date?
Bayou City DAMS

Metadata Application Profile

**Descriptive:** Title | Alternate Title | Series Title | Creator | Contributor | Publisher | Date | Language | Description | Subject | Place | Time Period | Genre | Format | Type | Extent

**Administrative:** Identifier | Collection | ArchivesSpace URI | Donor | Rights | Access Rights | Note

### Descriptive Metadata

<table>
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<tr>
<th>Label</th>
<th>Element</th>
<th>URI</th>
<th>Same As</th>
<th>Definition</th>
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ArchivesSpace ...with Matt

PM/MM/AC Files

Carpenters

Preservation Files SIP

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Access Files DIP

Archivematica

POST Digital Objects
ArchivesSpace: Archival Management

- Application for describing, managing, and providing access to archives, manuscripts, and digital objects
- API allows for integrations with digital libraries, Archivematica, and other systems
- Automates and connects workflows
ArchivesSpace: Archival Management

- **Migration**: Archon to EAD to ArchivesSpace
  - clean-up of legacy data
  - improved documentation

- **Accessions module**: improved processes for managing acquisitions and unprocessed materials

- **Digital Objects module**: linkages between archival objects and digital representations
<table>
<thead>
<tr>
<th>Collection</th>
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<td>Cruz Blanca leaving El Paso for Ciudad Juárez</td>
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Halls ...with Bethany
Halls: Finding Aids

- Customized public interface for ArchivesSpace
- Browse digital collections
- Reflects context and sequence of the archival collection
- More features will be added next year
Texas Music Collection, 1900-2010

Overview

Title: Texas Music Collection
ID: 05/2011-011
Primary Creator:
Extent: 11.00 linear feet
Subjects: "Music -- Texas -- History and criticism", "Musicians -- Texas", "Popular music -- Texas -- History and criticism"
Forms of Material: Administrative records, Correspondence, Ephemera, Financial records, Interviews, Photographs, Publications (document genre)
Languages: English, English

Scope and Contents

The Texas Music Collection contains research files on the history of Texas music, particularly musicians and record labels, including the administrative and financial files of Duke/Peacock records, of the Houston area. Newspaper clippings, photographs, financial records, songbooks, and administrative files comprise the research files.

Subject/Index Terms

- Music -- Texas -- History and criticism
- Musicians -- Texas
- Popular music -- Texas -- History and criticism

Administrative Information

Repository: University of Houston Libraries Special Collections
Conditions Governing Access: Open for research.
Conditions Governing Use: Special Collections owns the physical items in our collections, but copyright normally belongs to the creator of the materials or their heirs. The researcher has full responsibility for determining copyright status, locating copyright holders, and abiding by current copyright laws when publishing or displaying copies of Special Collections material in print or electronic form. For more information, consult the appropriate librarian.
Box and Folder Listing

Expand/Collapse All

Series: Artists, 1900-2010
The Artists series contains files on various Texas music artists and typically contains biographical information and materials documenting their recording careers. Formats represented in this series include photographs, correspondence, newspaper clippings, and promotional materials.

Box 1
Box 2
Box 3
Box 4

Series: Production and Events, 1924-2008
The Production and Events series comprises a range of material documenting the production of Texas music and is further divided into subseries pertaining to: Labels and Studios, Radio Stations, Producers, Venues, and Record Shops.

Sub-Series: Labels and Studios, 1924-2008

Box 4
Folder 16: General studio files, 1967-1997, undated
Folder 17: Audio Company of America - Master books, 1950-1964, undated
Folder 18: Audio Company of America - Master books, 1965-1964, undated

Folder 19: Audio Company of America - Master books, 1950-1964, undated

Folder 20: Columbia - Session files, 1954
Folder 21: Columbia - Texas Masters, 1924-1941, undated
Folder 22: Decca, undated
Folder 23: Decca - Coral session, 1951-1952

Folder 28: Duke/Pacock Records - Financial, December 1982
Duke/Peacock Records - Promotional photographs

Overview

Collection: Texas Music Collection
Parent: Labels and Studios

Container
- Box 6
- Folder 4

Digital Objects

[Images of promotional photographs]
Carpenters ...with Bethany
Carpenters: Preservation Ingest Tool

- Helps preserve hierarchy of reformatted collections
- Automates file management, allowing for increased production
- Input: XLSX metadata file
- Creates identifiers to link preservation and access objects
- Output:
  - Archivematica ingest package (preservation)
  - Brays workflow package (access)
Carpenters: Digitization Workflow

- Digitize content
- Organize content into hierarchies in spreadsheet
- Input core administrative metadata for preservation
- Automatically creates directory and file hierarchy, organizing files according to Archivematica specifications
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/Users/watkinss/ownCloud/Work/Projects/DAMS/carpenters/_1997_004_hazelwitch_precar
Creating DIP metadata.csv
Done packaging DIP
Done
Brays ...with Sean

PM/MM/AC Files → Carpenters

Preservation Files SIP → Archivematica

Collection Hierarchy

Preservation ARK

Digital Object ARK

Authority ARK

Authority Validation

Cedar

POST Digital Objects

Access Files DIP

Access Files SIP

Halls

Armand
Brays: Metadata Editor

- Provides a metadata creation/editing interface
- Reads access files created from Carpenters
- Provides basic validation
- Integrates with vocabulary manager
- Integrates with BCDAMS-MAP
Waves on Seawall 4:30-5:00 p.m.

Frazier, Rex Dunbar

1915-08-16

Waves on the Galveston Seawall between 4:30 and 5:00 p.m. before the hurricane.
Brays: Metadata Editor

- Much much more...

- Future development
  - Output packages into Armand
  - Mint ARK identifiers for Digital Objects
  - Insert Digital Objects into ArchivesSpace
Armand: Hydra-in-a-Box (Hyku)

- Community Software
- Standards Based
- Linked Data / DPLA Hubs
- Easier Long Term Maintenance
Armand: Hydra-in-a-Box (Hyku)

- Still in development

- 2017 Plans
  - More Features
  - Pilot for locally-installed repository
Next Steps ...with Santi
Next Steps

- Hybox Pilot Testing
- Community Engagement
  - Grant Collaboration
  - Open Source Projects
- Implementation Phase 2
  - Refine Workflows
  - Migrate Data

*If you want to go fast, go alone.*

*If you want to go far, go together.*
GitHub: [https://github.com/uhlibraries-digital/](https://github.com/uhlibraries-digital/)
Article: [https://uh-ir.tdl.org/uh-ir/handle/10657/1575]

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Brays (background) - “Brays Bayou”  
Armand (background) - “Archive for the ‘freshwater inflows’ Category”  
[https://watershedtexas.org/category/freshwater-inflows/](https://watershedtexas.org/category/freshwater-inflows/)
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