Outline

• UH Libraries DAMS Evaluation and Implementation
• Bridge2Hyku IMLS Grant Project
• Project Needs and Impact
• Project Goals
• Project Design
• Sustainability Plan
• Getting Started
DAMS Task Force

- 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
- Anne Washington
Implementation Plan

Phase 1: Systems Integration and Development

Phase 2: Data Migration

Phase 3: Interface Design

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

- DAMS & Digital Preservation
  Task Force Members
- Iterative Development
  - Tools
  - Workflows/Eco-system
- 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

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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.
Greens: ID Minter & Resolver

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

**Bayous Concept**

<table>
<thead>
<tr>
<th>MAIN</th>
<th>LABELS</th>
<th>RELATIONS</th>
<th>NOTES</th>
<th>CONCEPT MAPPINGS</th>
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**Vocabularies**

- erc: University of Houston Libraries
- what: Bayous
- when: 2016-06-23
- where: https://vocab.lib.uh.edu/en/concepts/sh85012513
Carpenters: Preservation Ingest Tool

- Obtains preservation ARK identifiers minted by Greens
- Obtains archival collection hierarchical structure from ArchiveSpace
- Automates preservation ingest and file management for increased production

- Input: PM/MM/AC files
- Output:
  - Preservation object SIPS
  - Data files for access metadata workflow
Cedar: Vocabulary Manager

- Authority control
- Obtains ARK identifiers from Greens to form local terms URIs
- Linked Data ready
- Workflow efficiency
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>
<thead>
<tr>
<th>Title</th>
<th>Label</th>
<th>Element</th>
<th>URI</th>
<th>Same As</th>
<th>Definition</th>
</tr>
</thead>
</table>
Brays: Metadata Editor

- Provides a metadata creation/editing interface
- Reads access files from Carpenters
- Obtains access file ARK identifiers from Greens
- Integrates with Cedar vocabulary manager
- Integrates with BCDAMS-MAP
- Provides basic validation through MAP and Cedar
Brays: Metadata Editor
Release of Hyku (Hydra-in-a-Box)

- Turnkey solution for digital asset management by Samvera Community
- Support for multi-tenancy and easy deployment to cloud
- Linked data capability
- ResourceSync: harvest repositories to aggregators like DPLA
- Plan for future development for enhanced features and other activities
UNIVERSITY OF HOUSTON LIBRARIES PARTNER WITH SAMVERA

Posted on August 18, 2017 - News

The University of Houston Libraries (UHL) have become Samvera’s latest formal Partner.

UH Libraries has been actively involved in the Samvera Community through the Metadata Interest Group, CONTENTdm Migration Working Group, and Hyku efforts.

In addition to direct Samvera Community involvement, UH Libraries supports Samvera through activities in the Fedora repository community. UH Libraries helped initiate the South Central States Fedora Users Group (SCSFUG) with Texas Digital Library (TDL) to form a growing multi-state community of library faculty and staff who are actively working on or interested in Fedora-based repository projects. They have hosted events to continue to conversation and support for our base repository system.
Bridge for Migration

Community Engagement and Collaboration in Bridge2Hyku Grant Project

If you want to go fast, go alone.

If you want to go far, go together.
IMLS National Leadership Grant

Bridge2Hyku Toolkit: 
Developing Migration Strategies for Hyku

LG-70-17-0217-17

Oct. 1st, 2017 – Sept. 31st, 2019
Bridge2Hyku

Partners:

• University of Victoria (UVic)
• Indiana University at Bloomington (IUB)
• Indiana University-Purdue University Indianapolis (IUPUI)
• University of Miami (UM)

Community Stakeholders:

• Stanford University
• DuraSpace
• Digital Public Library of America (DPLA)
Bridge2Hyku – Needs

• Reassess, select, and migrate to a new DAMS
• Migrate towards open source solutions
• Need for tools, tutorials, and documentation
• Lack staff resources and expertise for data migration
Bridge2Hyku - Impact

• Fill current gaps in the migration planning and data migration processes
• Quicker and wider adoption of Hyku
• Migrate digital content and collections to a platform built for DPLA metadata aggregation
• Broaden access and expand use of the nation’s content and collections
Bridge2Hyku – Goals and Outcomes

• Migration requirements and best practices
• B2H website (Github organization)
• Migration software
• Community support and sustainability
• Discussions of data modeling and metadata mapping
Bridge2Hyku – Preliminary Work

- Digital repositories ecosystem development (UH)
- Metadata remediation and transformation (UH, IUPUI, UM)
- Cdm to Hyrax migration tool (UVic)
## Bridge2Hyku – Project Activities

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Conduct needs assessment (metadata and system requirements)</th>
<th>6 months</th>
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<tbody>
<tr>
<td>Phase 2</td>
<td>Develop and document B2H Toolkit and website</td>
<td>12 months</td>
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<tr>
<td>Phase 3</td>
<td>Assess, Improve, and Promote B2H Toolkit</td>
<td>6 months</td>
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Bridge2Hyku – Phase 1

- Gather information about project partners’ digital collections
- Gather information about Hyku requirements and limitations
- Hire Content Strategist
- *Phase 1 timeline: October 1, 2017 to March 31, 2018*
Bridge2Hyku – Phase 2

• Establish a B2H Github Organization to host a website and software repositories as Alpha B2H Toolkit
• Develop, adapt, and test the Alpha B2H software and documentation
• Release Beta B2H Toolkit
• Publish pilot partners’ migration stories
• *Phase 2 timeline: April 1, 2018 to March 31, 2019*
Bridge2Hyku – Phase 3

- Improve Beta B2H Toolkit Functionality
- Conduct conference presentations and training
- Release B2H Toolkit
- Implement B2H Toolkit sustainability
- *Phase 3 timeline: April 1, 2019 to September 30, 2019*
Bridge2Hyku - Communication

- Website
- Conference presentations
- Workshops and online training
- GitHub repository
- Open access publications
Bridge2Hyku - Sustainability

- B2H Github Organization (UH)
- Samvera Community
- Third party hosted support
# Bridge2Hyku – Getting Started

<table>
<thead>
<tr>
<th>Activities and Deliverables</th>
<th>2017</th>
<th>2018</th>
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<tbody>
<tr>
<td></td>
<td>Oct</td>
<td>Nov</td>
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<td>Digital collections environment data collection survey</td>
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<tr>
<td>Gather digital collections environment data</td>
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<td>Report on digital collections environment</td>
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<tr>
<td>Gather Hyku requirements and limitations</td>
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<tr>
<td>Hyku requirements and limitations report</td>
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<td>Project website landing Page</td>
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Cedar (background) - “Dictionary” Freeimages.com/B Boy
ILMS Logo: [https://www.imls.gov/grants/manage-your-award/grantee-communications-kit/imls-logos](https://www.imls.gov/grants/manage-your-award/grantee-communications-kit/imls-logos)


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