ESS Images

Improving Management of Flexible Digital Collections Using Hyrax

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Indiana University Bloomington
Samvera Connect 2019
October 24, 2019
Agenda

1. Project History
2. Completed work
3. Work in progress
1. Project History
Legacy Services

- Variations Scores
- CONTENTdm
PLUM → Pages Online
ESS: Enterprise Scholarly Systems

Enterprise Scholarly Systems

Benefits
- Developers spend more time on development and less time on infrastructure
- Better policy compliance
- Disaster Recovery and Business Continuity
- Improved Monitoring and Security
- Central Funding of Storage
- Easier integration with other enterprise IT services
- Leverage consistent infrastructure across campuses

Potential Services
- Shared services across multiple campuses
- Virtual services using Docker to replicate applications
- Spotlight supported exhibits

IU developers working on general InUniverse code and Modified Deposit

Hydra-in-a-Box

CBRC Center for Biological Research Collections

HydraDAM2 with WGBH Boston

Digital Preservation Repository including Asynchronous Storage

Avalon

Audio-Video Media Presentation

IUB Indiana University Bloomington

IUPUI Indiana University-Purdue University Indianapolis

Other Campuses

Contributing resources to development teams
NEW CHARGE

November 2018

Expand Paged Media Project to include image collections features
HYRA X

A really great re-starting point!
2. Completed Work
ESSI File Manager

Apply labels, ordering, and pagination
ESSI Structural Editor

Add hierarchical structure
ESSI Search Within

Based on community work around IIIF
3.

Work in Progress
By default, Hyrax assumes uniform metadata across all items.

Adding new fields requires changes in code. Lots of changes!
Flexible Metadata in Hyrax – A Short History

Dog Biscuits and Scooby Snacks

- Dog Biscuits and Scooby Snacks are two related attempts to implement flexible metadata.
- Put metadata field descriptions into configuration files rather than code.
- Changing fields required application restarts.
Flexible Metadata in Hyrax – A Short History

M3 Specification

- The Machine-Readable Metadata Modeling Specification (M3) Group has been working on a standardized way to specify metadata profiles
- Based on Dog Biscuits and Scooby Snacks
- Will provide an easy way to share metadata across repositories or institutions
- See https://github.com/samvera-labs/houndstooth
A Big Problem

Many Collections + Multiple Legacy Software Platforms + Each with their own Metadata Application Profile = WE NEED HELP WITH METADATA!

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A Big Problem

• Existing solutions still require editing configuration files and/or generating code
• We need a truly flexible approach that allows service managers to create collections for a variety of users

NOTCH 8 to the rescue!
Flexible Metadata Modeling

M3 Profiles

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<th>Name</th>
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Flexible Metadata Modeling

WORKING WITH WORKS

Dynamic Schema

Dynamic Schema Service

The Dynamic Schema Service will be central to getting the right information to the right places, replacing static code

Work

Model

Indexer

Form

Presenter

Catalog Controller

Views

Locales
Workflow Integration

- Out of the box, Hyrax assumes individual upload of items via the web
- We have very stable mechanisms for bulk upload, storage (SDA) and derivative creation
- We are working to integrate these to allow flexibility for item ingestion
Branding and Collections

- Collection Administrators will be able to customize collections without developer assistance
Image collections
Newspaper collections
Thanks:

• Indiana University Purdue University Indianapolis
• Notch8
• Newspaper Works (Boston Public Library, University of Utah via IMLS)