Hydra-in-a-Box Project Update

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Need
Network
Reducing Friction
New Technology
Project Goals

1. Develop turnkey, Hydra-based application that leverages and improves on core code components
2. Develop metadata aggregation & enrichment tools
3. Work toward a hosted service
4. Connect components with DPLA hubs, current Hydra partners & prospective Hydra adopters
Work Accomplished

Repository Product Design
(June 2015 - June 2016)

- Discovery Research
  - Community Survey & User Interviews
  - Competitive Analysis & Environmental Scan

- Information Architecture
  - User Personas
  - Prioritized Requirements
Design Research, Survey Data Online

Hydra-in-a-Box Design Documents

Stanford Digital Repository

The Hydra-in-a-Box Survey

CloudML

Repository Manager Persona

Motivation

Scenario

Specific Goals

Hydra-in-a-Box Library

Hydra-in-a-Box User Survey.pdf

Survey data report and summary

L 111 MB

Hydra-in-a-Box Community Survey Results.xlsx

Survey data

L 1.01 MB

Access conditions

USE AND REPRODUCTION

User agrees that, where applicable, content will not be used or distributed by individuals or entities in a manner that conflicts with or violates the terms of use and any applicable laws or regulations.

Six user personas that we developed for the project.

All available on the project wiki:
More Work Accomplished

Two Development Work Cycles
(March 2016 - present)

• Infrastructure - build (for) it
• Configuration - make it easier
• Interoperability - it’s about the network
• Features, features, features
Community Contributions

California State University
Chemical Heritage Foundation
Columbia University
Cornell University
DuraSpace
Indiana University
Northwestern University

Oregon State University
Penn State University
Princeton University
University of Cincinnati
University of Michigan
University of Notre Dame
University of Virginia
University of York
• A (new) way to manage digital content
• Best of Hydra in an easy-to-install, easy-to-configure, feature-rich solution
• Reduce barriers to effective asset management & preservation
• For collections and content types of many kinds
• Next-generation web technologies
• Vibrant and ever-growing open source community
Hyku Administrator can:

• Easily deploy in the cloud or with Docker
• Customize repository appearance & static content
• Toggle on/off various configurable options
• Bulk import content via script
Let’s see it
Hyku Administrator can also:

- Create administrative set(s) and associate users and groups with roles
- Configure set(s)
  - Release and visibility settings
  - Deposit / review workflow
What does that look like?
Hyku Depositor can:

- Create work - generic or image work type
  - By batch or one at a time
- Upload files, enter description
  - Dublin Core fields are published as DPLA MAPv4
- Apply access settings
- Assign proxy depositor
- Transfer work ownership
One more look
Hyku Reviewer can:

- Mediate submission of deposited work(s)
  - Approve
  - Return to depositor for corrections or removal
Hyku Admin, Depositor, Reviewer can:

- View statistics about repository activity and contents
- Edit user profile
- Receive notifications
- Access task list
- Create collection to assemble various works
Hyku Public User can:

- Set language used in repository labels
- Access content through faceted search and browse
- Search and discover content via full-text indexing
- Enjoy responsive UI on mobile devices
- View content with the IIIF-compliant viewer
- Export citations (multiple formats)
Post Beta Release Roadmap

Continued user interface design

Prioritized features include:

- Bulk metadata review and edit interface
- More content types: dataset, thesis/dissertation, oral history, books, maps
- Integrated Google Analytics
- Authentication by Shibboleth
Introducing HykuDirect

- Potential new DuraSpace hosted service
- Pilot service project May - October
- Production service late 2017
HykuDirect Service Pilot Institutions

- Six institutions
  - Academic consortium
  - DPLA hub project
  - Small private university
  - Large private university
  - Large metropolitan public library
  - State Library & Archives
HykuDirect Pilot: May - October

- Test cloud deployment infrastructure
- Determine costs
- Ensure a strong hosted service
- Determine hosted customer needs & challenges
HykuDirect Production Service

- Start production service in late 2017
- Explore migration options
- Discuss partnerships
Stay informed

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Thank you