

Digital Repository Development at Yale University Library

Michael Dula

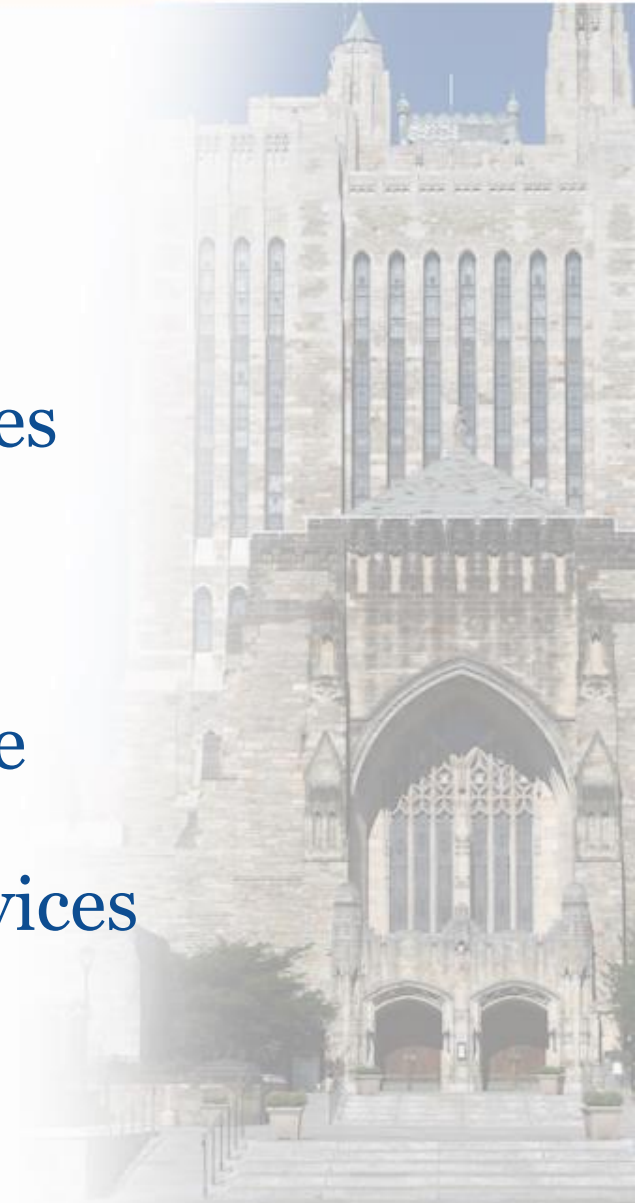
CTO, Yale University Library

December 8, 2014



Four groups comprise Library IT:

- Workstation and Technology Services
- User Experience
- Enterprise Systems and Architecture
- Digital Library & Programming Services



- Metadata standards
- Discoverability
- Managing access and permissions
- Preservation



- Metadata standards: **inconsistent**



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- Discoverability: **spotty**

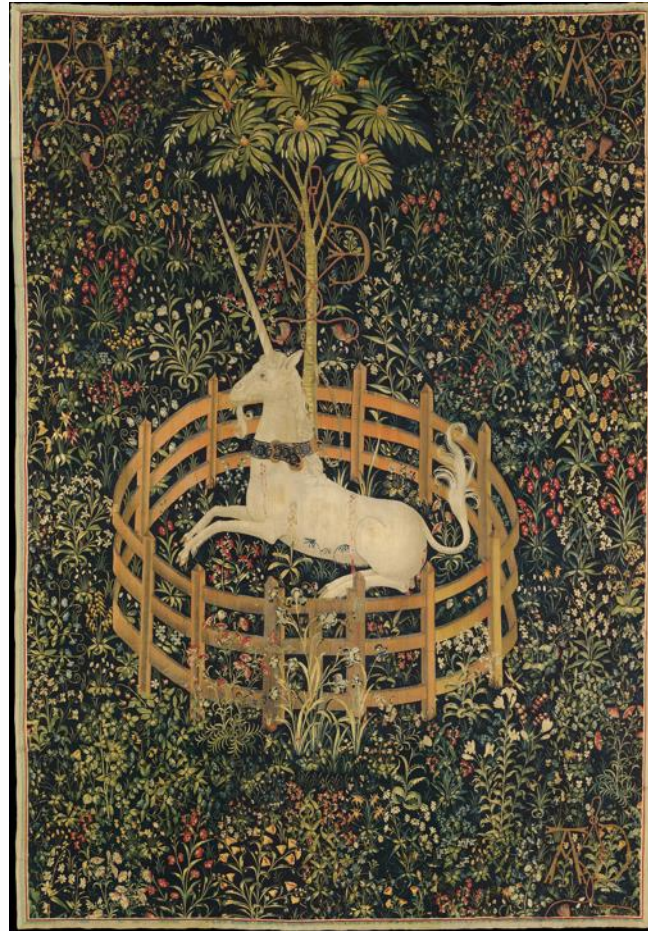


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- Discoverability: **spotty**
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- Metadata standards: **inconsistent**
- Discoverability: **spotty**
- Managing access and permissions: **several methods, none very granular**
- Preservation: **we have duplicate copies—somewhere—that's enough, right?**

Walled gardens: with unicorns in them



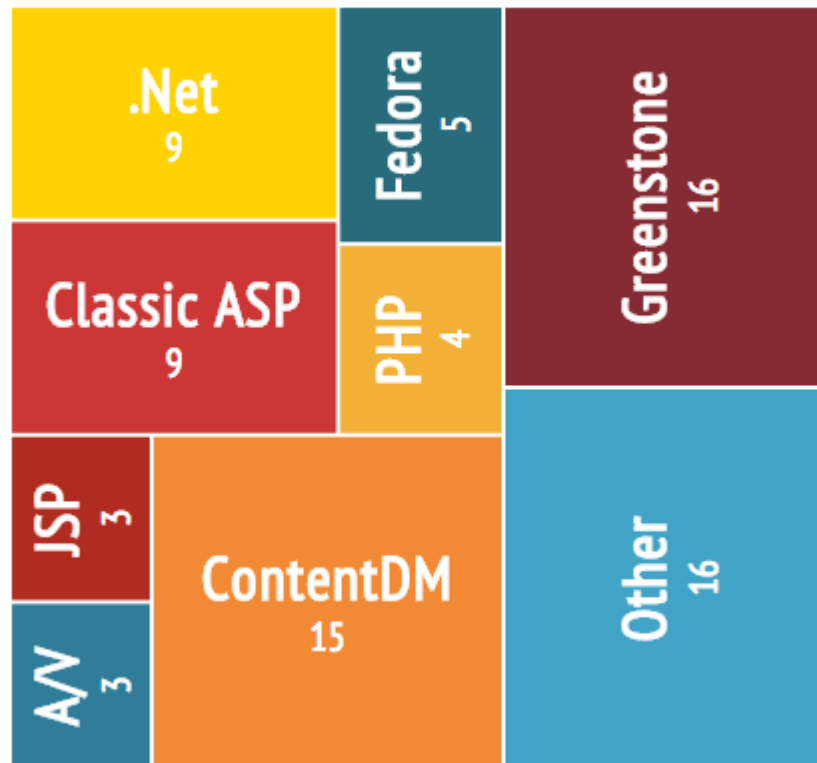
How did we get into this fix?

Yale

LOTS of gardens, and rooms, and attics...



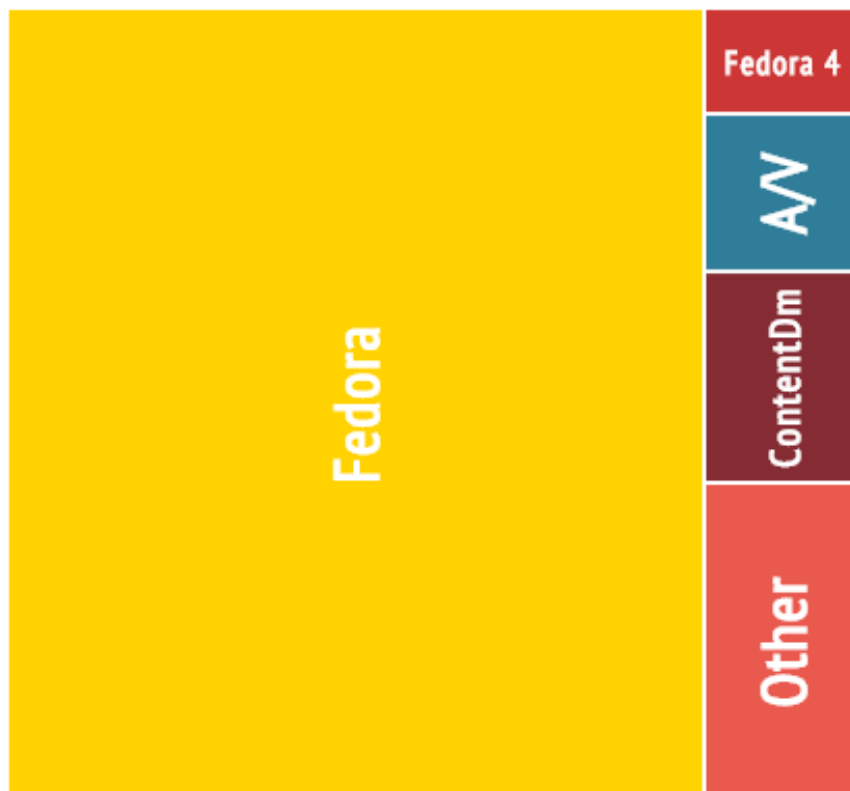
Legacy Collection Technologies



Create infographics infogr.am



Collection Technologies 2015

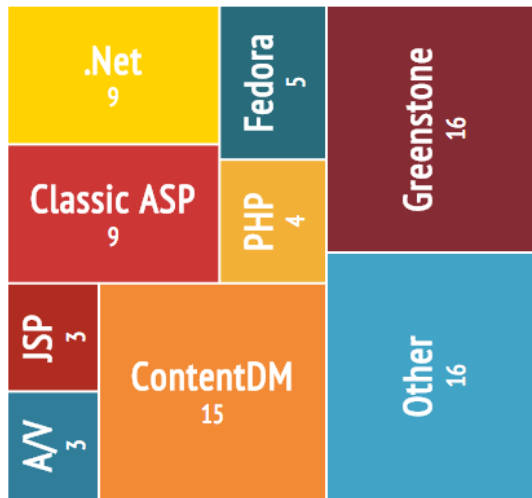


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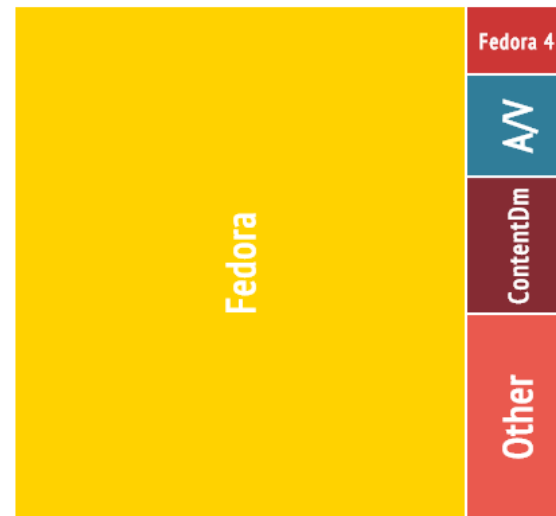
How do we get from here to there?

Yale

Legacy Collection Technologies



Collection Technologies 2015



Share

Create infographics infoqr.am



Share

Create infographics infoqr.am

Metadata often turns out to be:

- **Imperfect. Strategy: If there is an easy bulk transformation, do it, but other fixes can be post-migration.**



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- **Not meeting minimum standards for display.**
Strategy: Fix or retire collection.



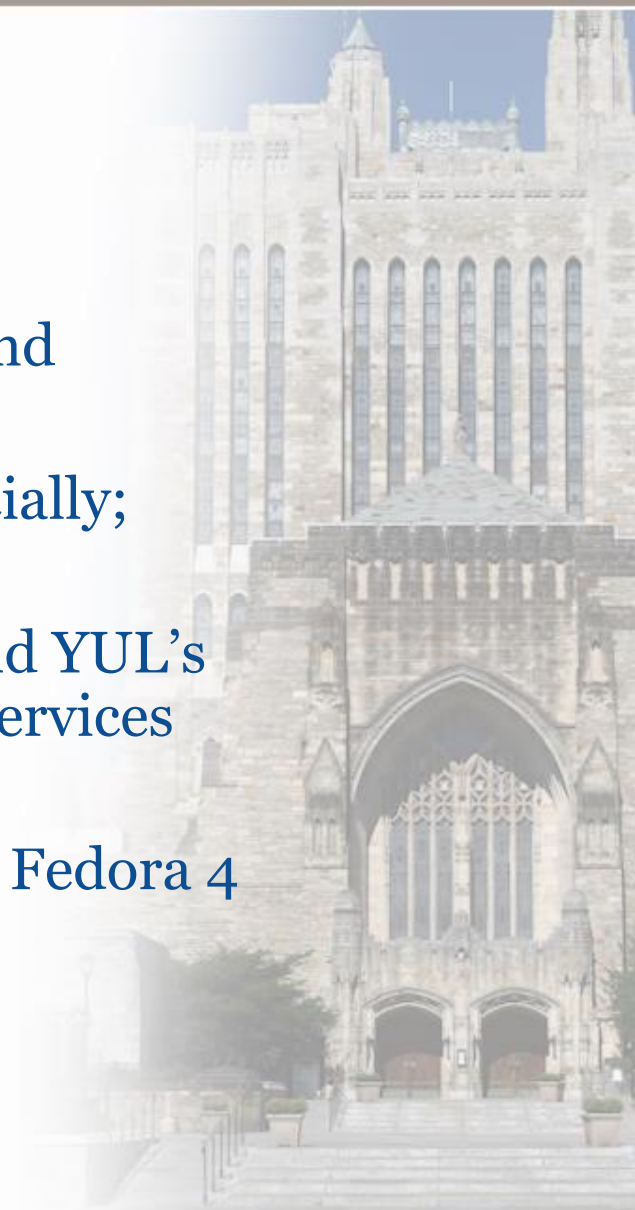
Metadata often turns out to be:

- Imperfect. Strategy: If there is an easy bulk transformation, do it, but other fixes can be post-migration.
- Not meeting minimum standards for display. Strategy: Fix or retire collection.
- **Highly custom. Strategy: Migrate the data, but may not have a use for it immediately.**





- Open-source project
- Provides a platform for digital preservation and presentation
- Over 50 Fedora Members contributing financially; Yale is one of these
- Yale is also a Fedora development partner, and YUL's Manager of Digital Library & Programming Services serves on the Fedora Leadership Committee
- Currently actively engaged in development of Fedora 4



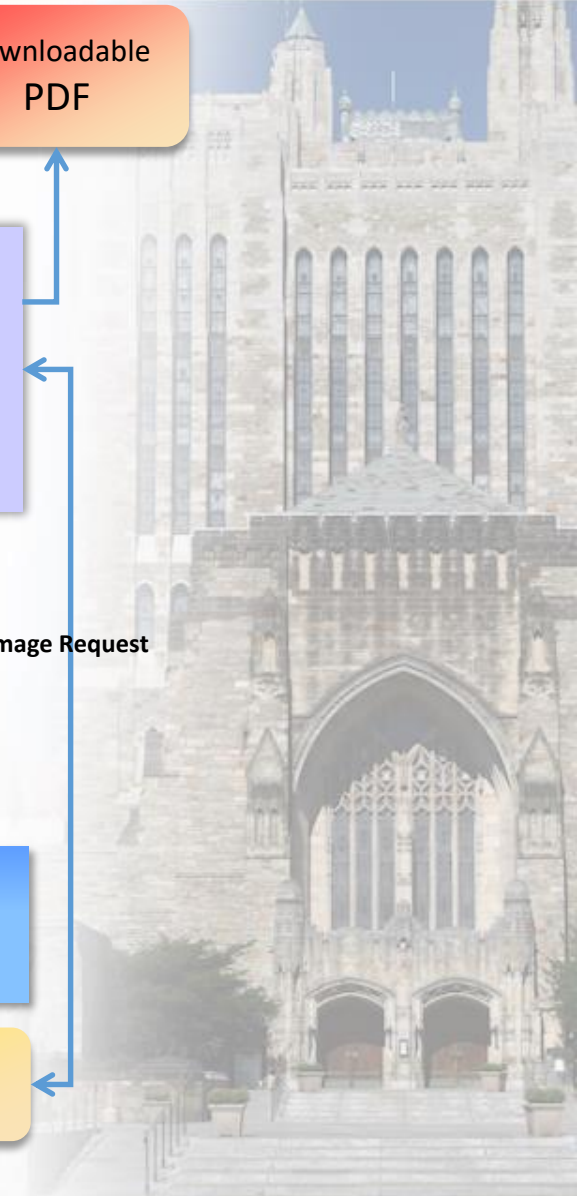
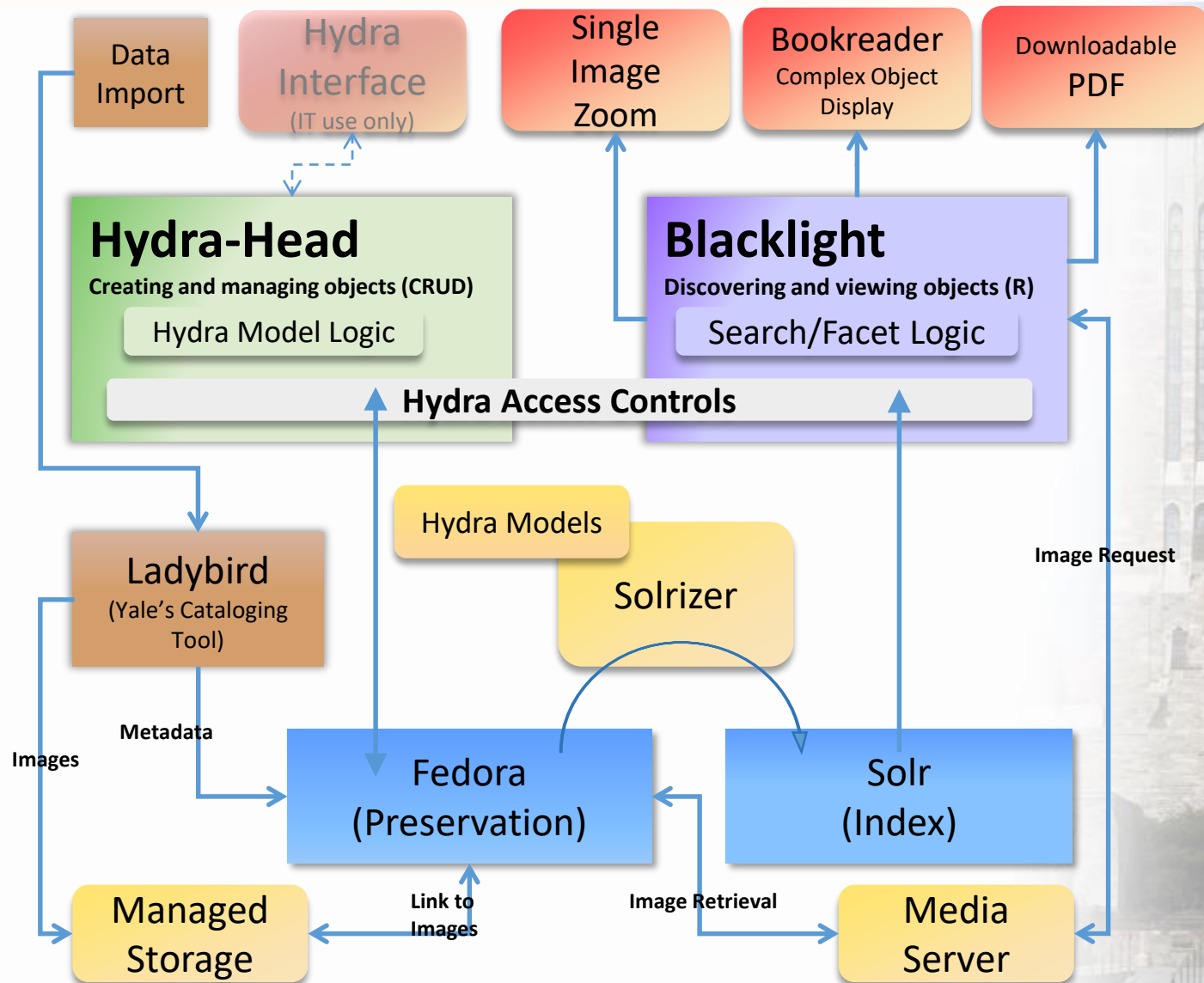


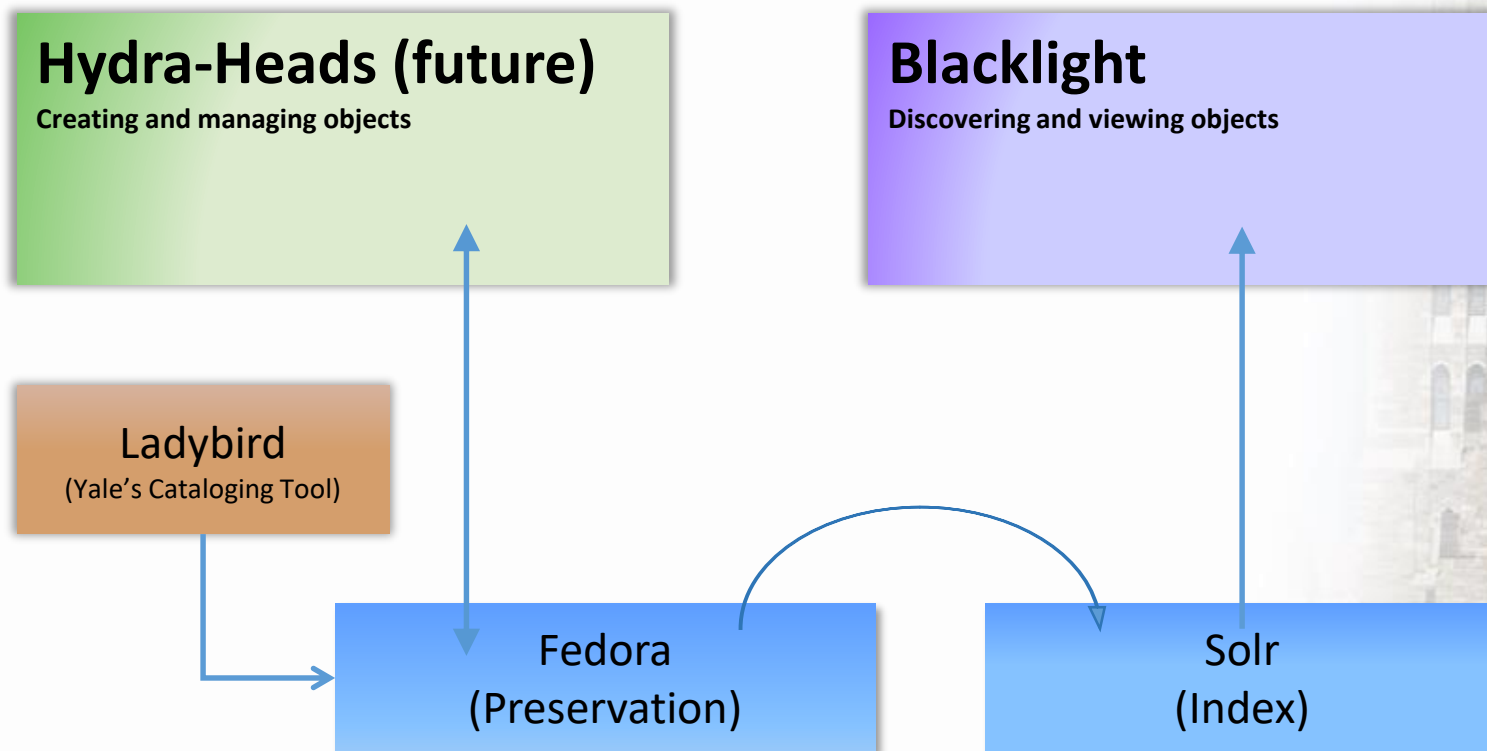
- Began in 2008 as collaboration between Stanford, UVA, Univ. of Hull, and Fedora Commons
- YUL joined in 2013 as 18th member. Membership now up to around 25—recent additions include Princeton, Cornell, Case Western
- “If you want to go fast, go alone. If you want to go far, go together.”



Yale's Technology Stack

Yale





- 9 pilot collections: <http://findit.library.yale.edu>
- Henry Kissinger Papers
- Migrations of about 80 legacy collections
- Research Data pilot with the Institution for Social and Policy Studies



The Findit Blacklight interface

Yale

Yale UNIVERSITY LIBRARY

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Lewis Walpole Library 5035

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10 per page ▾

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1. [The bruiser triumphant \[graphic\] : a farce.](#)

☐ Bookmark

Creator: O'Neale, Jefferyes Hamett, -1801, artist
Sumpter, Edward, fl. 1763-1787, publisher

Published/Created: [London] :
[Edward Sumpter],
[ca. 1763]

Digital Collection: Lewis Walpole Library



2. [Drawings faithfully copied from nature at Naples : and with permission dedicated to the Right Honourable Sir William Hamilton, His Britannic Majesty's Envoy Extraordinary and Plenipotentiary at the court of Naples / by his most humble servant Frederick Rehberg, historical painter in His Prussian Majesty's service at Rome, MDCCXCIV.](#)

☐ Bookmark

Creator: Piroli, Tommaso, ca. 1752-1824, associated name
Rehberg, Friedrich, 1758-1835

Published/Created: [London] :
Publish'd October 12th, 1797, by S.W. Fores, No. 50 Piccadilly, corner of Sackville Street. Prints & drawings
lent out on the plan of a circulating library,
[October 12th, 1797]

Digital Collection: Lewis Walpole Library



Yale University Library

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Quicksearch

Catalogs

Articles

New Arrivals

Catalogs

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The cooperative apartment house: a reference guide

Author Brett, Wyckoff, Potter, Hamilton
Published New York, [1957]
Location Law Library >> SS +8a no.13
Format Books

New York, New York: how the apartment house transformed the life of the city (1869-1930)

Author Hawes, Elizabeth, 1940-
Published New York : A.A. Knopf, 1993.
Location Law Library >> NA786o .H34 1993
Format Books

Apartment 3A

Author Daniels, Jeff
Published New York : Dramatists Play Service, Inc., c2000.
Location HAAS ARTS LIBRARY, Drama Collection (61 Day Circ) >> PS3554 A5634 A63 2000 (LC)
Format Books

The apartment

Published Culver City, CA : Metro-Goldwyn-Mayer ; Beverly Hills, CA : Distributed by Twentieth Century Fox Home Entertainment, c2007.
Location Bass Library, Yale College Council DVD Collection >> Shelved by title
Format Video

Articles

see 607,153 results

Apartments

Author Gonzalez, Evelyn Diaz
Citation The Bronx, 2004, p. 83
Format Reference: Available Online

Apartments

Citation New York Times (1857-1922), 9/6/1914, ISSN: 0362-4331, p. RD1
Format Newspaper Article: Full Text Available

Apartments

Citation New York Times (1857-1922), 7/19/1914, ISSN: 0362-4331, p. RD1
Format Newspaper Article: Full Text Available

Apartments

Citation New York Times (1857-1922), 7/26/1914, ISSN: 0362-4331, p. RD1
Format Newspaper Article: Full Text Available

Apartments

Author Beth Austin
Citation Chicago Tribune (1963-Current file), 10/28/1983, ISSN: 1085-6706, p. F22
Format Newspaper Article: Full Text Available

PLANS PROVIDE AIRY APARTMENTS



- We have to get large—1 PB already queued up for ingest and/or migration
- We have to provide multiple levels of security, from Open Access to highly mediated



What's next?




- Curated Research Data
- Self-Archiving by Yale community
- Streaming A/V Support
- Online exhibitions
- Active Preservation tools
- Advanced Interfaces: GIS, Digital Humanities, Data Visualization



- Pilot project underway with ISPS
 - Learn how to ingest research studies as complex objects
 - Preserve them and provide permanent links
 - How do they display in our standard Blacklight interface?
- Develop custom interfaces around this content type
- Integration with other systems

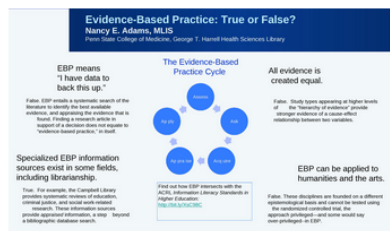




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Collections

This file is not currently in any collections.

Evidence-Based Practice: True or False? [poster for ACRL 2013 Conference]

[Open Access](#)

Descriptions

| | |
|---------------|--|
| Resource type | Poster |
| Title | Evidence-Based Practice: True or False? [poster for ACRL 2013 Conference] |
| Creator | Nancy E. Adams |
| Contributor | |
| Description | Briefly describes foundational concepts in evidence-based practice (EBP) and addresses epistemological assumptions of EBP. |
| Keyword | evidence-based practice information literacy Association for College and Research Libraries (ACRL) academic libraries |
| Rights | Attribution-NonCommercial-NoDerivs 3.0 United States |
| Publisher | |
| Date Created | March 2013 |
| Subject | |
| Language | English |



<http://www.avalonmediasystem.org/project>



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Sound Recording (9)

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Genres >

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Unit >

Featured Film



The Masters of Disaster (1985)

Featured Film Collection



Indiana University Libraries Moving Image Archive

Media Collections Online houses audio and video collections.

- Use the search box, or browse using the terms on the left side to discover content.
- Some content is only available when you sign in with your ID and passphrase.
- Login to Oncourse or Canvas to access course materials.

- <https://exhibits.stanford.edu/maps-of-africa/spotlight/default-exhibit>

Maps of Africa: An Online Exhibit


A digital collection of African Maps at the Stanford University Libraries

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Search...

Limit your search


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- Geographic ▾
- Era ▾
- Language ▾
- Type of Resource ▾
- Exhibit Tags ▾




Insulae et Arx Mozambique.
Berlius, Petrus, 1565-1629

Stanford's Maps of Africa Collection became a major research resource in August of 2001 with the acquisition of the Oscar I. Norwich Collection of Maps of Africa and its islands, 1486 – ca. 1900. This acquisition added 316 maps to Stanford's existing holdings of Maps of Africa. The collection was once again augmented in 2010 with the purchase of 294 maps from Caroline Batchelor, and then again in 2011 with a small set of maps from Rodney Shirley. The Norwich, Batchelor collections, as well as the maps from Shirley represent some of the most important maps collected by these well-known collectors. In addition, Stanford currently has, in digital-only form, 771 maps from the Barry Lawrence Rudeman Collection and the David Rumsey Map Collection; also slated for scanning are other maps of Africa from Stanford's Special Collections.


Maps Portraying the Continent



Nigritarum regio
Ogilby, John, Ogilby, John

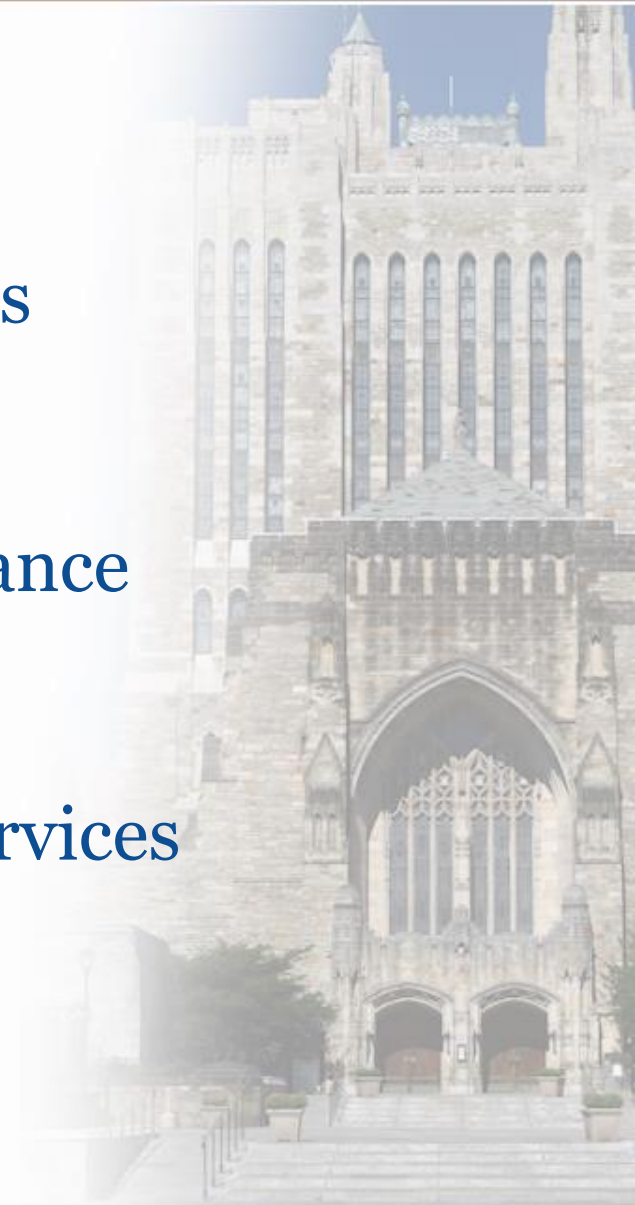


A New Map of Libya or old Africk Showing
its general Divisions, most remarkable
Countries or People, Cities, Townes,
Rivers, Mountains
Wells, Edward, 1667-1727



A New map of Africa from the latest
Observations.
Senex, John, -1740

- Bit Preservation
- Secure Storage with Managed Access
- Obsolescence Monitoring
- Provenance and Authenticity Assurance
- Standards Compliance
- Format migration and emulation services



- GIS
- Data manipulation and visualization
- Digital Humanities



How can we do all this at speed and at scale?

It took 300 years for the Yale Library catalogs to grow to around 10 million items. Just ONE large digital collection that we are currently working on will contain about 10 million items.



Questions?

Michael Dula

