

# “Contentless” Digital Collections



# “Contentless” Digital Collections

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Digital Library Brown Bag, October 14, 2015

#dlbb



**LIBRARIES**  

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**INDIANA UNIVERSITY**  
Bloomington

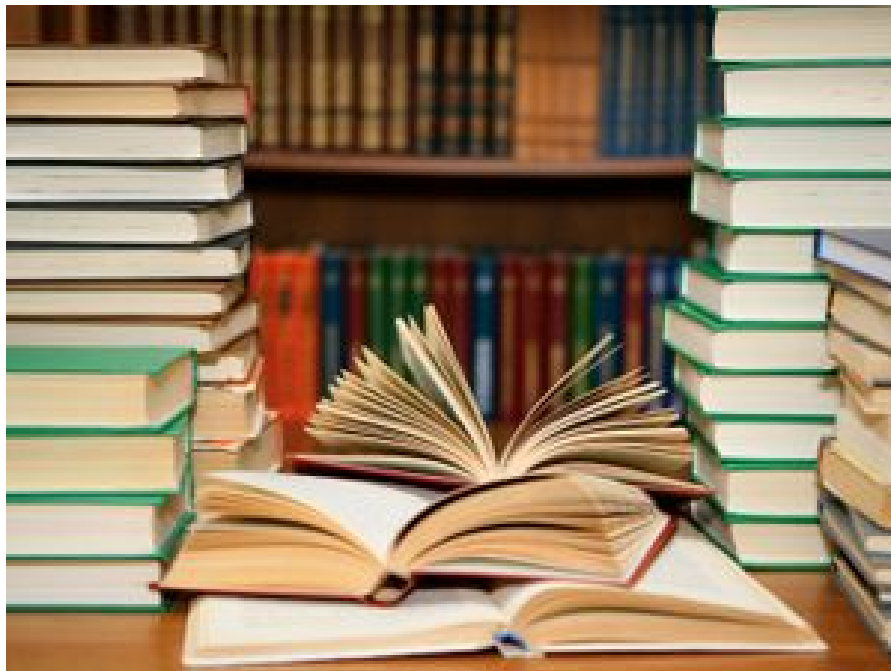
# “Contentless”?

Curated lists

Bibliographies

Representative  
images

Televised Opera  
and Musical  
Comedy Database



# Hydra Community

Started as a joint development project between Stanford University, the University of Virginia and the University of Hull in 2008 (with Fedora Commons)



# Hydra Community

- [University of Notre Dame](#)
- [Northwestern University](#)
- [Columbia University](#)
- [Penn State University](#)
- [Indiana University](#)
- [London School of Economics and Political Science](#)
- [Rock and Roll Hall of Fame](#)
- [The Royal Library of Denmark](#)
- [WGBH](#)
- [Boston Public Library](#)
- [Duke University](#)
- [Yale University](#)
- [Virginia Tech](#)
- [University of Cincinnati](#)
- [Princeton University Library](#)
- [Cornell University](#)
- [University of Oregon \(as \[Oregon Digital\]\(#\)\)](#)
- [Oregon State University \(as \[Oregon Digital\]\(#\)\)](#)
- [Case Western Reserve University](#)
- [Tufts University](#)
- [Duoc UC](#)
- [University of Alberta](#)
- [Digital Public Library of America \(DPLA\)](#)
- [University of Michigan](#)

# Hydra Projects

- [Hydra-in-a-Box](#)
- Hydra and the Portland Common Data Model (PCDM)
- Hydra Solution Bundles
  - Avalon
  - Sufia
- [Spotlight](#) for Exhibits

# Hydra, Sufia . . .

- Hydra Community Developed
  - Penn State
    - ScholarSphere
  - Notre Dame
    - CurateND
  - University of Cincinnati
    - Scholar@UC



## ... and Worthwhile

- Data Curation Experts
  - Worthwhile
  - Based on Sufia
- Why is this important?
  - Hydra and Fedora 4





# BiblioCat

- Simple cataloging interface to manage “contentless” curated resources
- Based on Worthwhile
- What we’ve done with Worthwhile to make it even more useful



# Two concepts emerged in CurateND and again in Worthwhile

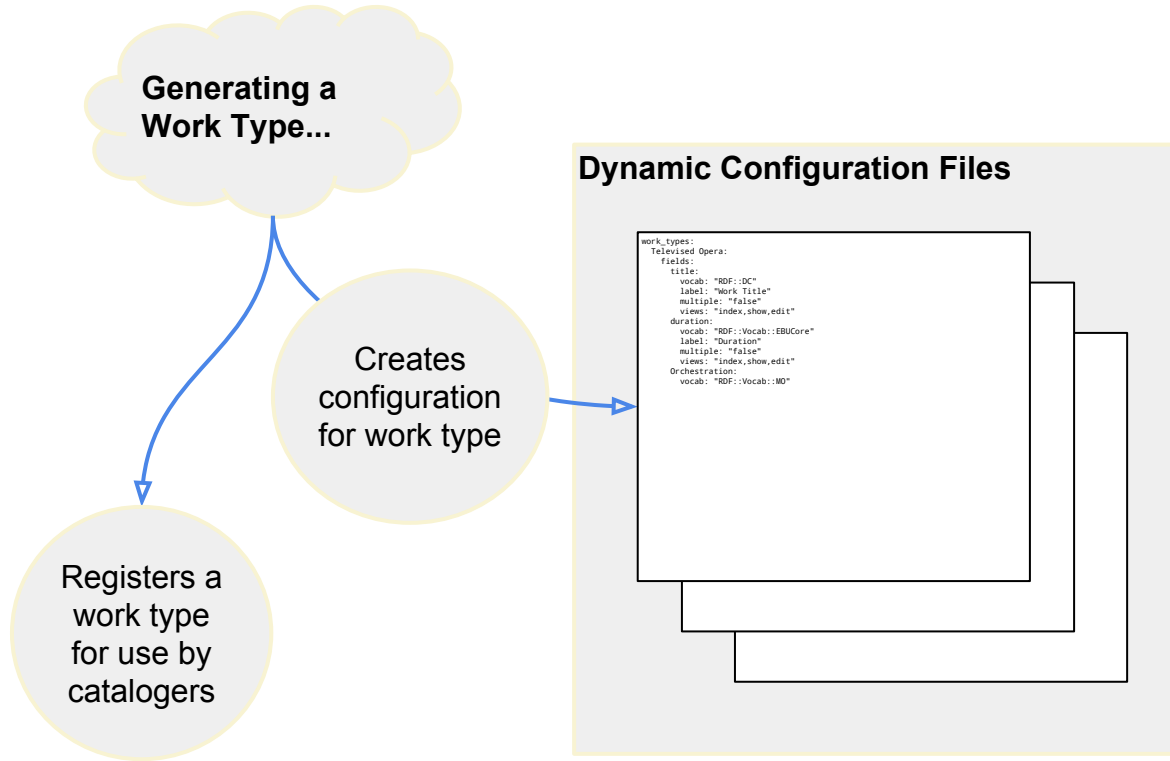
- Curation Concerns
  - Adds simple IR-like self submission abilities to a Hydra-based application
  - Adds the ability to manage related objects as "Work Types"
- Work Types
  - Custom content type definitions that items can derive their attributes and behaviors from
  - Are added as needed by running a "generator"

## By default in Worthwhile:

- Registers the Work Type for use in the system
- Generates code for that Work Type that can be used to customize its metadata, behaviors, etc.
  - A developer would then customize that generated code to make that Work Type different from the others

## But we want:

- To register the Work Type for use in the system
- To make its metadata and behaviors configurable by a non-developer
- To not be editing code to accommodate the special needs of each Work Type



## Configuration File

```
work_types:  
  Televised Opera:  
    fields:  
      title:  
        vocab: "RDF:DC"  
        label: "Work Title"  
        multiple: "false"  
        views: "index,show,edit"  
      duration:  
        vocab: "RDF::Vocab::EduCore"  
        label: "Duration"  
        multiple: "false"  
        views: "index,show,edit"  
    Orchestration:  
      vocab: "RDF::Vocab::MO"
```

Changes to these should be effective in the system immediately

Configuration determines metadata and behaviors

## Bibliocat

The screenshot shows the Bibliocat search results page for 'The abduction of Figaro'. The page header includes the Indiana University Bloomington logo and name. Below the header is a search bar with the text 'Type keywords in field' and a search button. The main content area displays the title 'The abduction of Figaro' followed by '(Televised Opera)'. Below the title is a section titled 'Attributes' which contains a table of metadata.

Attribute Name	Values
Work Title	The abduction of Figaro
Program/Series Title	The abduction of Figaro
Company	Minnesota Ballet
Composer	P.D.G. Bach (Schickele, Peter)
Text Author	P.D.G. Bach (Schickele, Peter)
Orchestra	Minnesota Opera
Choir	Minnesota Opera
Soloist	Lefty Lehr (Al Donofson/Pasha Shaboom/Papa Geno) Dana Krueger (Susanna Susannadanna/Mana Geno) Bruce Edwin Ford (Pecadillo)

# And to take it one step further:

Records are immediately available to add to exhibits in Biblio when created/updated in Bibliocat.

**Bibliocat**

INDIANA UNIVERSITY BLOOMINGTON

Type keywords in here   **Bibliocat**

**The abduction of Figaro (Televised Opera)**

**Attributes**

Attribute Name	Values
Work Title	The abduction of Figaro
Program/Series Title	The abduction of Figaro
Company	Minnesota Ballet
Composer	P.D.G. Bach (Schickele, Peter)
Text Author	P.D.G. Bach (Schickele, Peter)
Orchestra	Minnesota Opera
Choir	Minnesota Opera
Soloist	Leroy Lehr (Al Dorfman/Padma Shaboom/Papa Genoy) Dana Krueger (Cristina Susimabam/Anna Genoy) Bruce Edwin Ford (Pecadillo)

**Biblio**

INDIANA UNIVERSITY BLOOMINGTON

Televised Opera Exhibit **Biblio**

Home - Dashboard

Dashboard

Administration

Settings

Appearance

Users

Import/Export

Curator

Items

Metadata

Tags

Search facets

Browse

Feature pages

About pages

**Curator Dashboard**

**Recent Site Building Activity**

**Title**

Exhibit Home

View - Edit

**Recently Updated Items**

Title
1. The abduction of Figaro

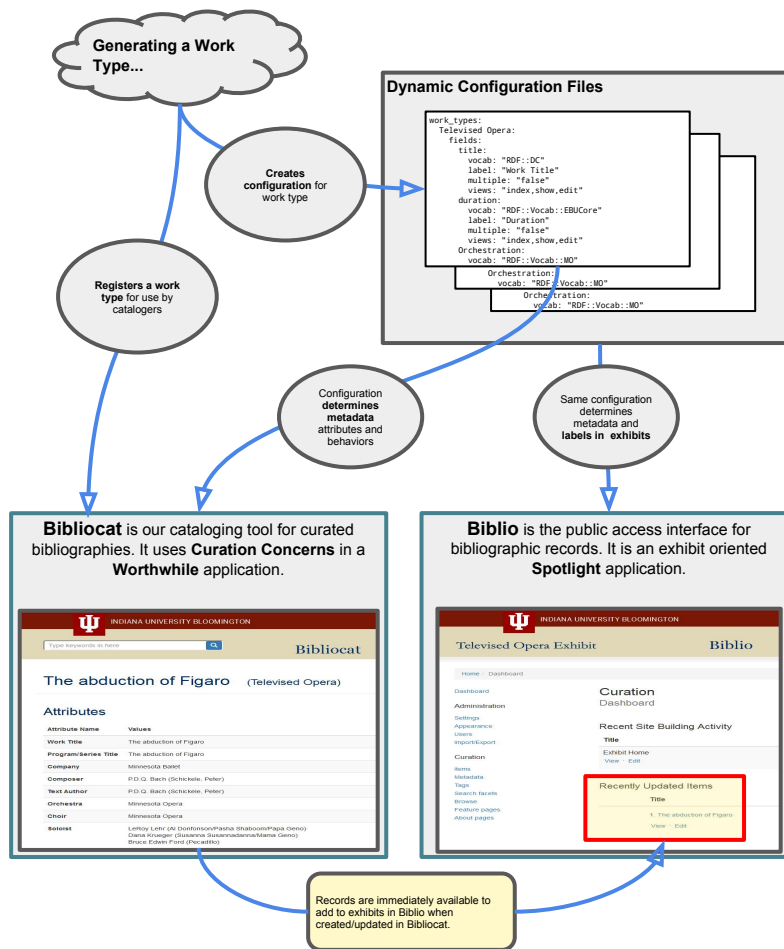
View - Edit

## Configuration File

```
work_types:  
  Televised Opera:  
    fields:  
      title:  
        vocab: "RDF::DC"  
        label: "Work Title"  
        multiple: "false"  
        views: "index_show_edit"  
    duration:  
        vocab: "RDF::Vocab::EBCore"  
        label: "Duration"  
        multiple: "false"  
        views: "index_show_edit"  
    orchestration:  
        vocab: "RDF::Vocab::MO"
```

Same configuration determines metadata and labels in exhibits

# Flexible dynamic Work Types without touching code!





# Biblio

What about user access?

Spotlight



# Spotlight Building Exhibits

- Access through Solr to Fedora objects
- Widget based site development
- Faceted Search
- Blacklight based



Hydra Project @  
Stanford University

# Why not Omeka?

- An open source web publishing platform
- A tool for creating digital content
- An exhibit builder for digital objects

# Spotlight and Omeka

## Spotlight

Access to Fedora Objects  
Widgets based (limited)  
Theme based (limited)  
Close to Production



## Omeka

No direct access to Fedora  
Plugin based (hundreds)  
Theme based (many)  
Since 2008



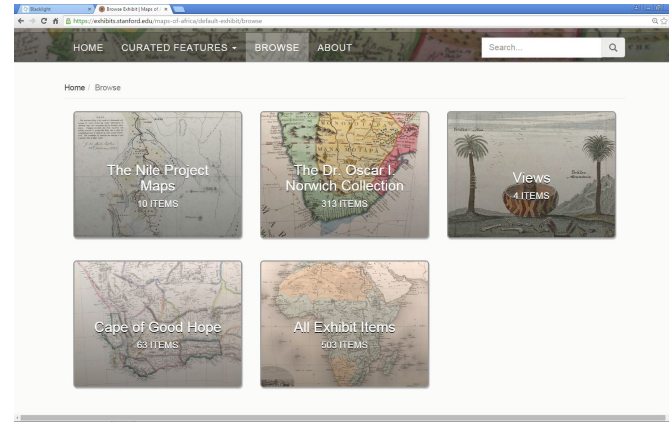
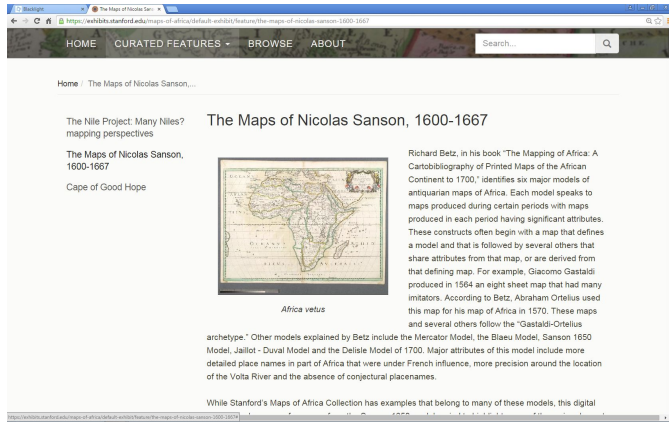
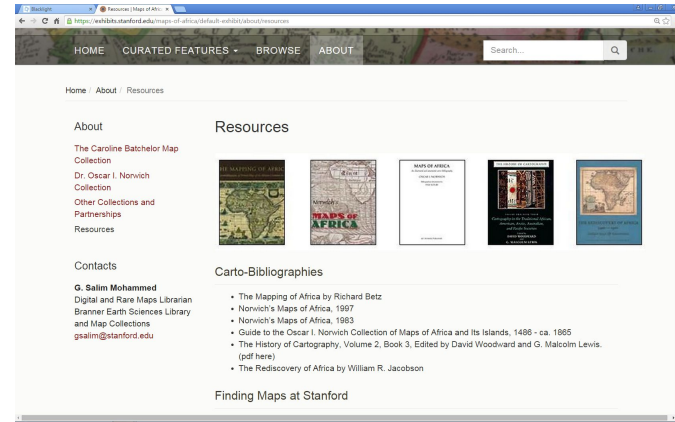
Illuminating repositories  
using

# Spotlight



# Spotlight Exhibits

## Adds formatted pages on top of Blacklight faceted search results



# Blacklight vs Spotlight

The screenshot shows the Blacklight search interface. The search results are filtered to 'Book' format, showing 9,737 results. The first result is for 'Maine' by Margaret Dornfeld, published in 2011. The interface includes a search bar, filters on the left, and a list of search results with metadata.

blacklight

Bookmarks (0) History Login

All Fields Search... Search Q

Limit your search

You searched for: Format > Book X Start Over

« Previous | 1 - 10 of 9,737 | Next » Sort by relevance 10 per page

1. **Maine**  Bookmark

Title: Maine  
Author: Dornfeld, Margaret  
Format: Book  
Language: English  
Published: New York  
Call number: F19.3 .D67 2011

2. **Nebraska**  Bookmark

Title: Nebraska  
Author: Bjorklund, Ruth  
Format: Book  
Language: English  
Published: New York

The screenshot shows the Stanford University Libraries website for the 'Maps of Africa: An Online Exhibit'. The page features a header with the library name and a search bar. Below the header is a navigation menu and a list of search filters. The main content area displays three historical maps of Africa with their respective authors and dates.

STANFORD UNIVERSITY LIBRARIES Sign in

Maps of Africa: An Online Exhibit  
A digital collection of African Maps at the Stanford University Libraries

HOME CURATED FEATURES BROWSE ABOUT Search...

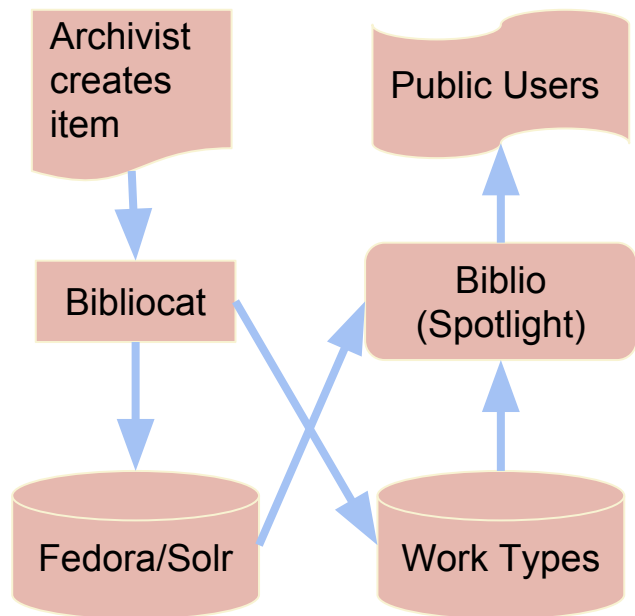
Limit your search

Resource type >  
Date >  
Language >  
Author >  
Topic >  
Region >  
Era >  
Organization (as author) >

Munster, Sebastian, 1489-1552 1542  
Munster, Sebastian, 1489-1552. Kandel, David, -1587 1550  
Blau, Willem Janszoon, 1571-1638 1663

Maps of Africa 1 image

# Information Flow



Apache Solr index populated by Bibliocat

Customized to read Work Type configurations from Bibliocat

Labels will match what is seen in the cataloging interface



# Demo

BiblioCat



Biblio



Old Opera TV

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# Futures

# Things to do

Update to Fedora 4

Align to the New Curation Concerns

Next Collection

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*Questions?*

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## Attributions

Simon Yeo [Spotlight on Michael Buble's second stage at Rod Laver arena](#). CC BY 2.0