“Contentless” Digital Collections

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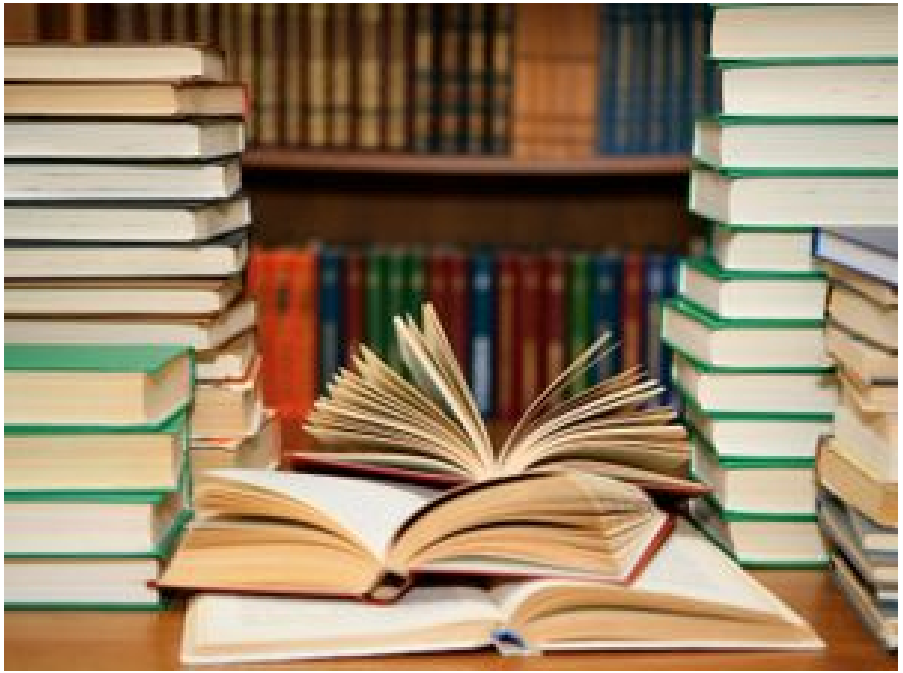
#dlbb

LIBRARIES
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”

Generating a Work Type...

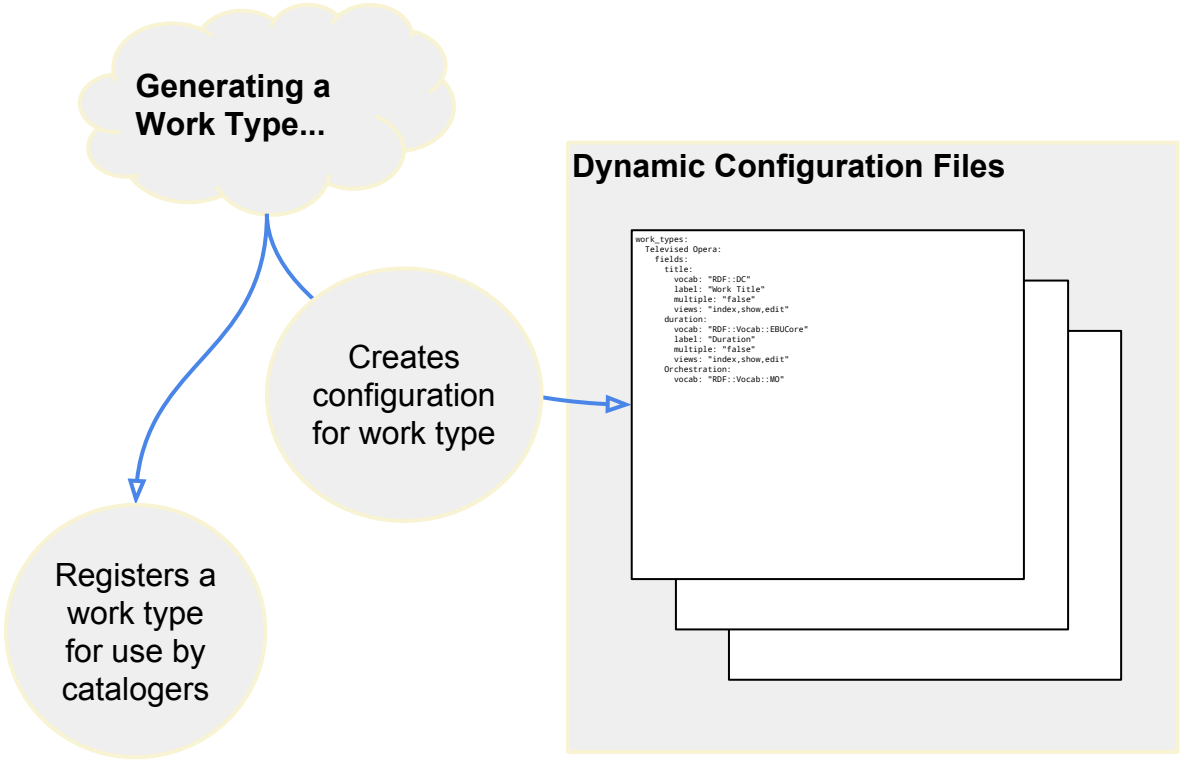
By default in Worthwhile:

- 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

Generating a Work Type...

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


Generating a Work Type...
Creates configuration for work type
Registers a work type for use by catalogers
Dynamic Configuration Files
work_types:
Televised Opera:
fields:
title:
vocab: "RDF::DC"
label: "Work Title"
multiple: "false"
views: "index,show,edit"
duration:
vocab: "RDF::Vocab::EBUCore"
label: "Duration"
multiple: "false"
views: "index,show,edit"
Orchestration:
vocab: "RDF::Vocab::MO"

Configuration File

```
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  Televised Opera:
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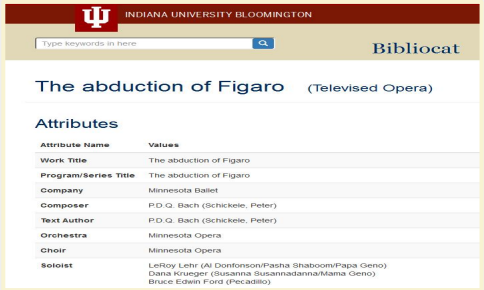
        vocab: "RDF::Vocab::MO"
```

Changes to these should be effective in the system immediately

Configuration determines metadata and behaviors

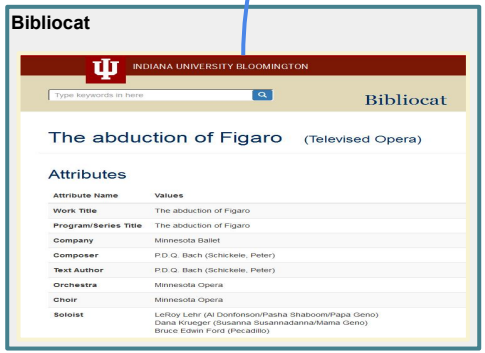
Bibliocat



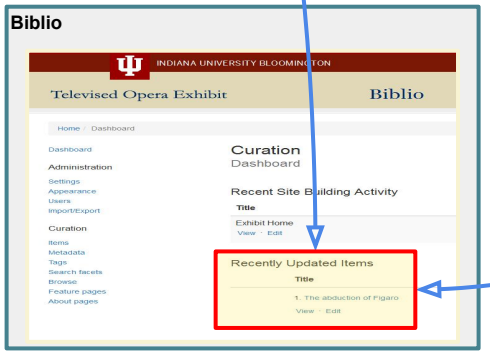
And to take it one step further:

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

Bibliocat



Biblio



Configuration File

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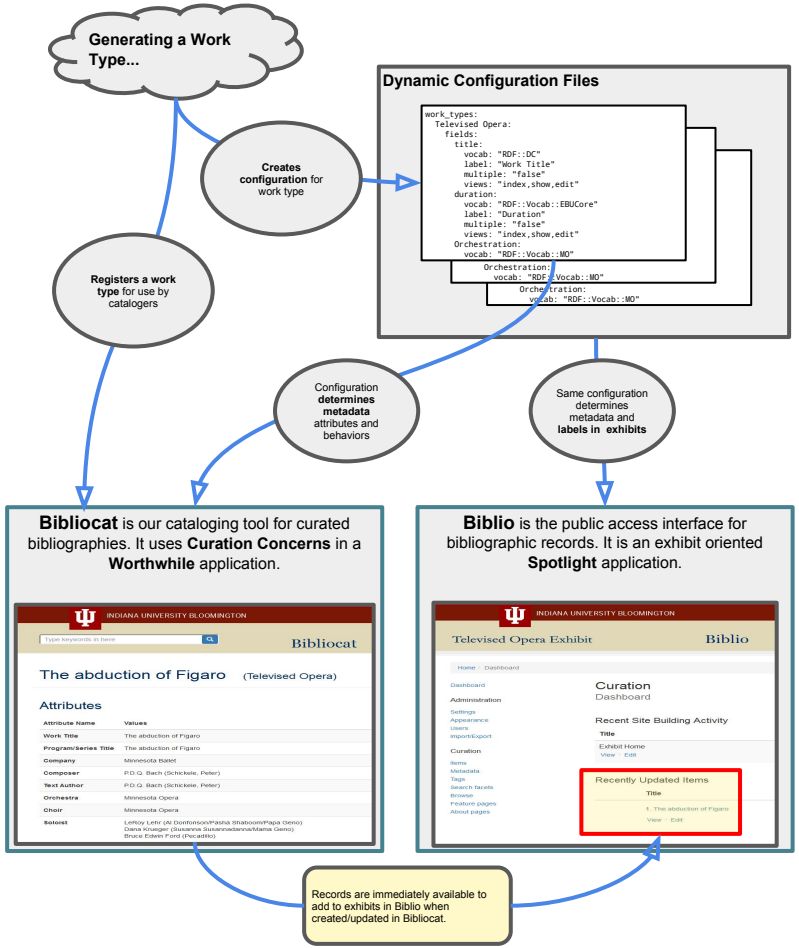
        vocab: "RDF::Vocab::EBUCore"
        label: "Duration"
        multiple: "false"
        views: "index,show,edit"
      Orchestration:
        vocab: "RDF::Vocab::MO"
```

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)

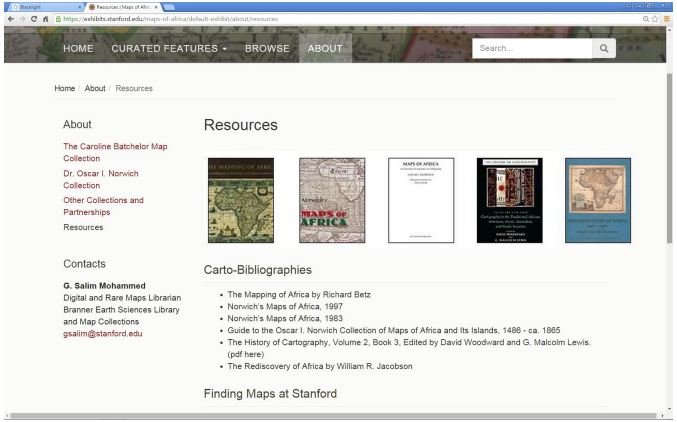
Since 2008

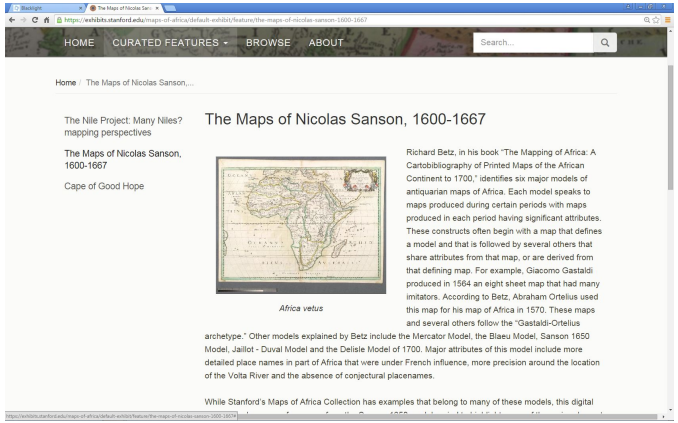
Illuminating repositories using

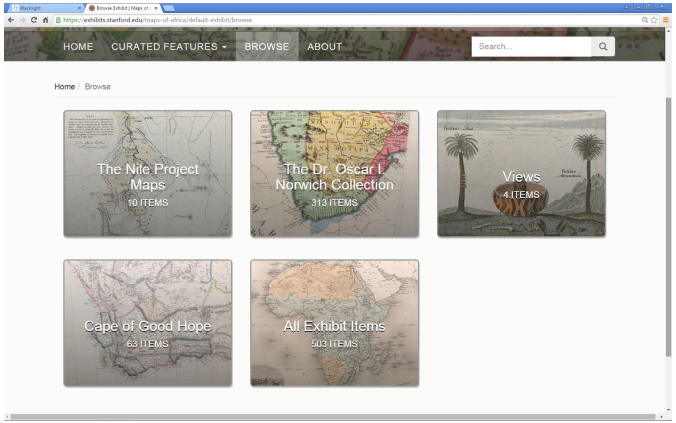
Spotlight

Spotlight Exhibits

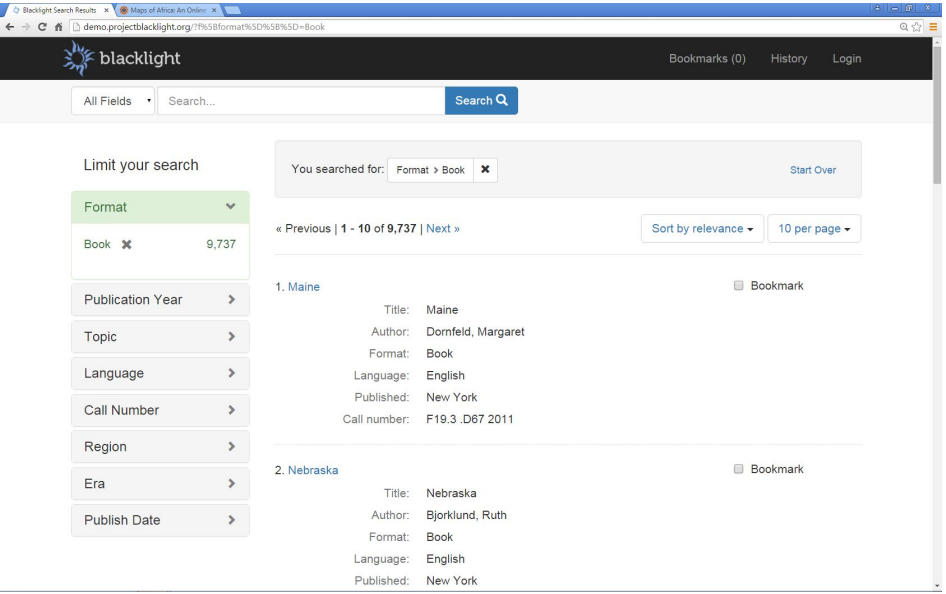
Adds formatted pages on top of Blacklight faceted search results

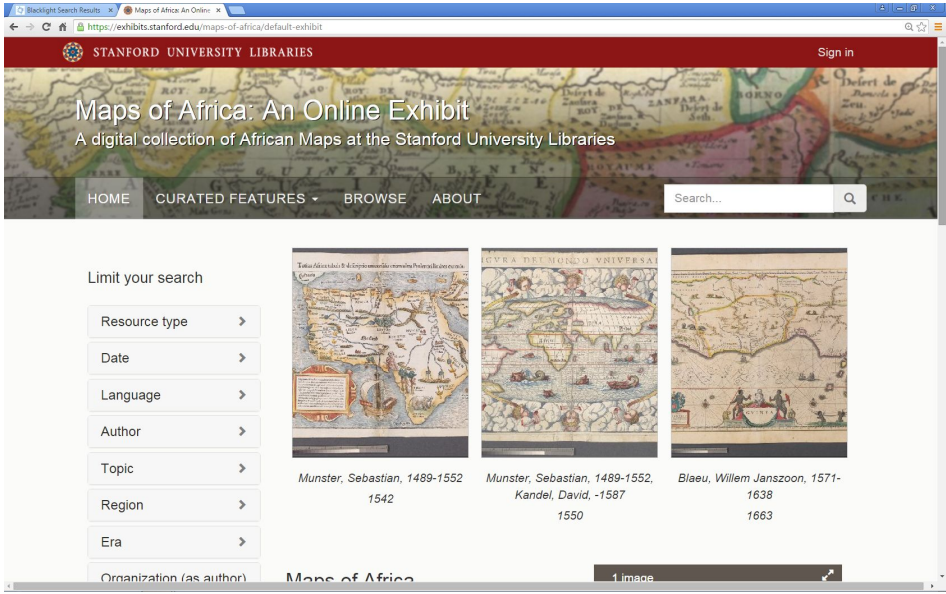




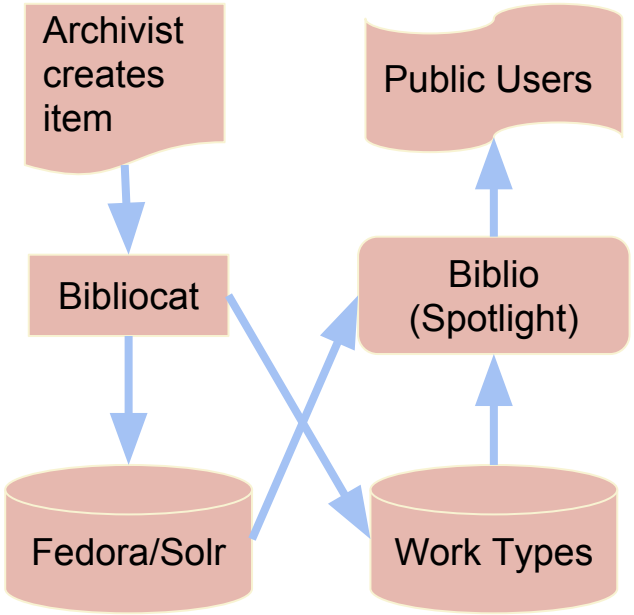


Blacklight vs Spotlight





Information Flow

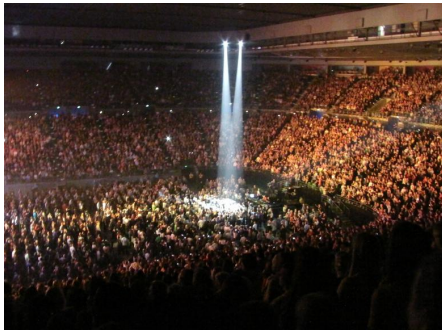


- Apache Solr index populated by Bibliocat
- Customized to read Work Type configurations from Bibliocat
- Labels will match what is seen in the cataloging interface

Demo

BiblioCat

Biblio



Old Opera TV

Futures

Things to do

Update to Fedora 4

Align to the New Curation Concerns

Next Collection

Questions?

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Attributions

Simon Yeo Spotlight on Michael Buble's second stage at Rod Laver arena. CC BY 2.0