Avalon Media System: Community Implementation and Sustainability

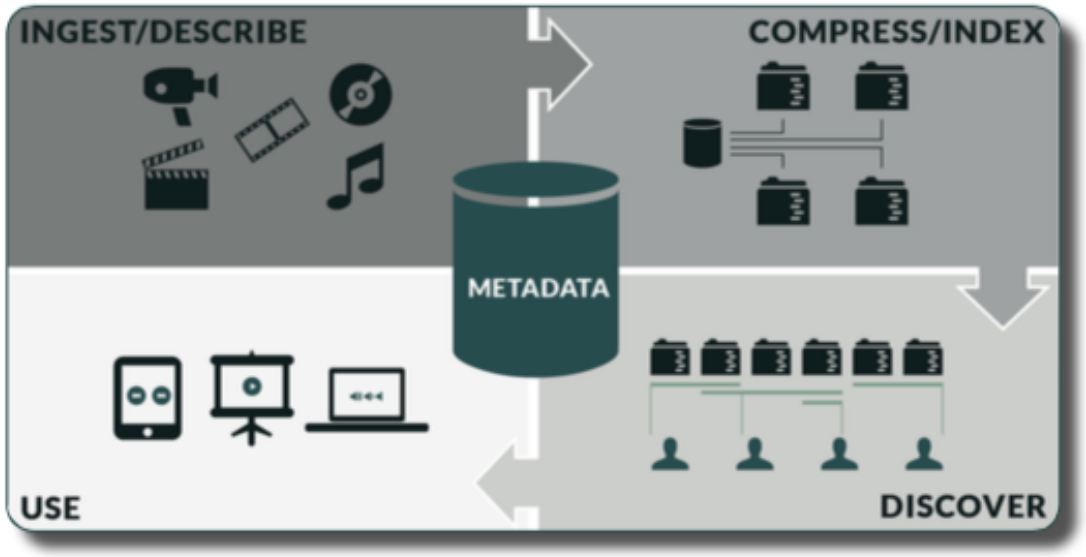
Open Repositories 2015
10 June 2015

Jon Dunn, Indiana University
Julie Rudder, Northwestern University
Debs Cane, Northwestern University
Mike Durbin, University of Virginia
Hannah Frost, Stanford University

avalon
MEDIA SYSTEM

What is the Avalon Media System?

The Avalon Media System is a robust, fully open source solution for curating and providing online access to digital audio and video collections in libraries and archives. The system is being developed collaboratively by the libraries at Indiana University and Northwestern University in partnership with ten additional institutions that have committed resources for testing, evaluation and feedback.



Open Source Technologies

With Avalon You CAN:

Browse

Search

Browse By

Format

Moving Image	39
Sound Recording	31

Main contributor

Date

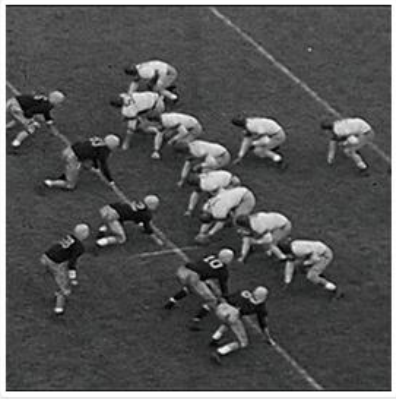
Genres

Collection

Unit

Language

Robert Marcellus Master Class Audio Archives



Northwestern University Football Films

Using the System

The Audio+Video Repository 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 NetID and password.
- Login to **Blackboard** or **Canvas** to access course materials via the Library Media link.

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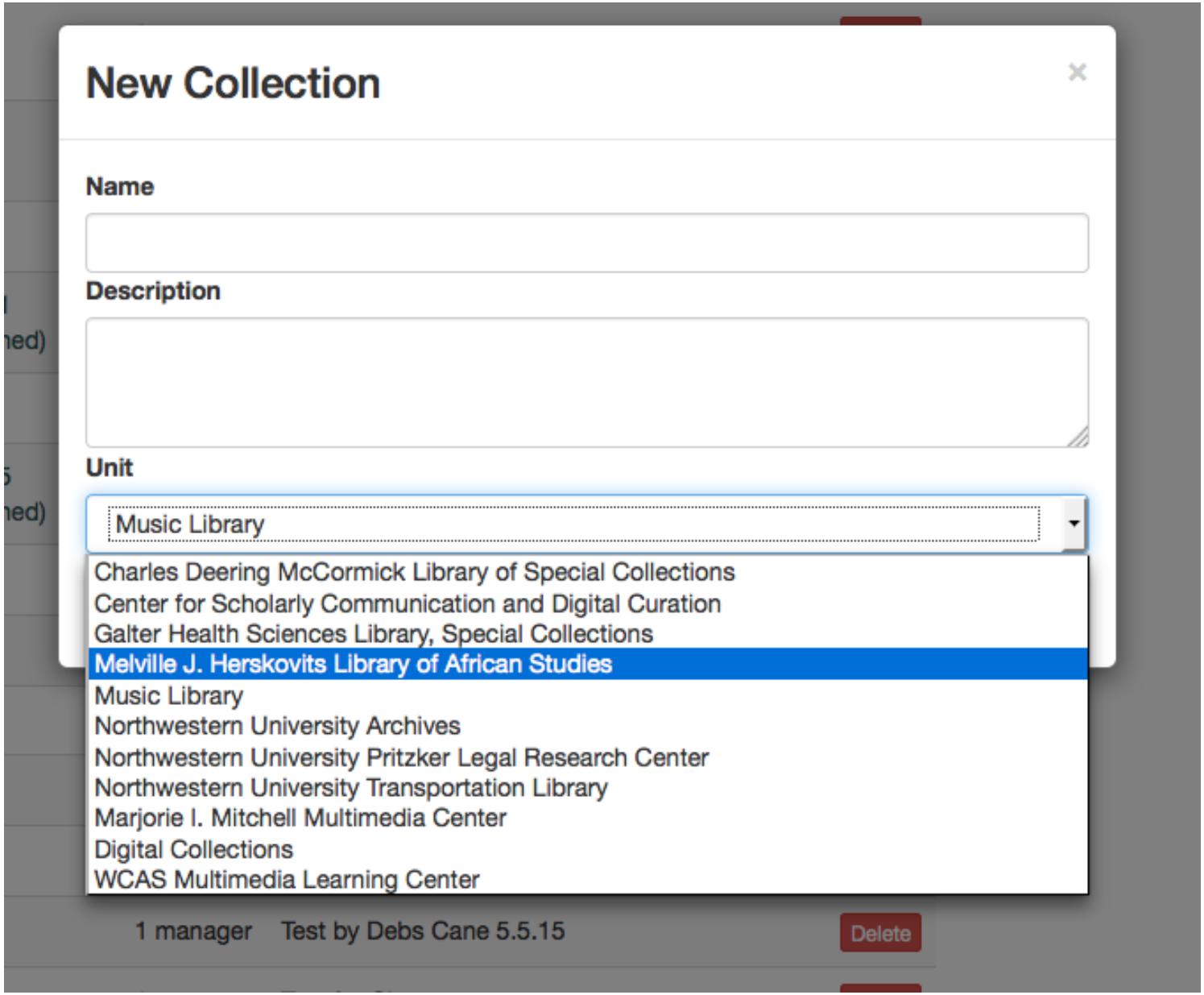
Browse | Manage Content | Manage Groups | Manage Selected Items (0)

Search

My Collections

Northwestern University Football Films	23 items (1 unpublished)	0 managers	Delete
Robert Marcellus Master Class Audio Archives	22 items	0 managers	Delete
Course Video	37 items (2 unpublished)	2 managers	Delete
Streaming Testing	18 items (11 unpublished)	1 manager	Delete
Course Audio	25 items (1 unpublished)	2 managers	Delete

Create Collection


New Collection
Name
Description
Unit
Music Library
Charles Deering McCormick Library of Special Collections
Center for Scholarly Communication and Digital Curation
Galter Health Sciences Library, Special Collections
Melville J. Herskovits Library of African Studies
Music Library
Northwestern University Archives
Northwestern University Pritzker Legal Research Center
Northwestern University Transportation Library
Marjorie I. Mitchell Multimedia Center
Digital Collections
WCAS Multimedia Learning Center
1 manager
Test by Debs Cane 5.5.15
Delete

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Browse | Manage Content | Manage Groups | Manage Selected Items (2)

- Manage file(s)
- Associated bitstreams
- Resource description
- Metadata about the item
- Structure
- Organization of resources
- Access Control
- Who can access the item
- Preview
- How end users see the item

Delete this item

Public Demonstration Collection > Untitled item

Manage file(s)

Upload through the web

Uploaded files must not exceed 250 MB

Select file

Import from a dropbox

Use the dropbox to import large files. Attach selected files after uploading. Files will be begin processing when you click Save and continue.

Open Dropbox

Dropbox location: *sftp://localhost/srv/avalon/dropbox/Public_Demo_Collection*
Contact your system administrator for more information.

Save | Save and continue

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deborah.cane@northwestern.edu Sign out>>

Browse | Manage Content | Manage Groups | Manage Selected Items (2)

Search

Selected Items

1 - 2 of 2

Update access control | Move | Publish | Unpublish | Delete

1. 245 A : B F G K N P S (20:46)

Main contributors: 110 A B B C D F G K L N P
Date: 1999 (Creation date: 1990)
Summary: 520 A

2. Bowl of Goldfish (00:12)

Main contributors: Unknown
Date: 2014
Summary: Testing item for demonstration

- Avalon Media System Project Website - Contact Us

Avalon Media System Release 3.3

Manage Access Control Settings

Discovery

- (•) Show these items in search results
- ( ) Hide these items from search results

Item Access

- ( ) Available to the general public
- ( ) Logged in users only
- ( ) Collection staff only

Special Access

Avalon User [?]
[ ] Add Remove

Avalon Group [?]
[ ] Add Remove

External Group [?]
[ ] Add Remove

Save

Unpublish | Edit | Delete

Panza Monologues, The

Main contributor
Mayorga, Irma

Date
2008

Collection
Course Media

Unit
Digital Collections

View Raw Metadata | View Fedora Objects

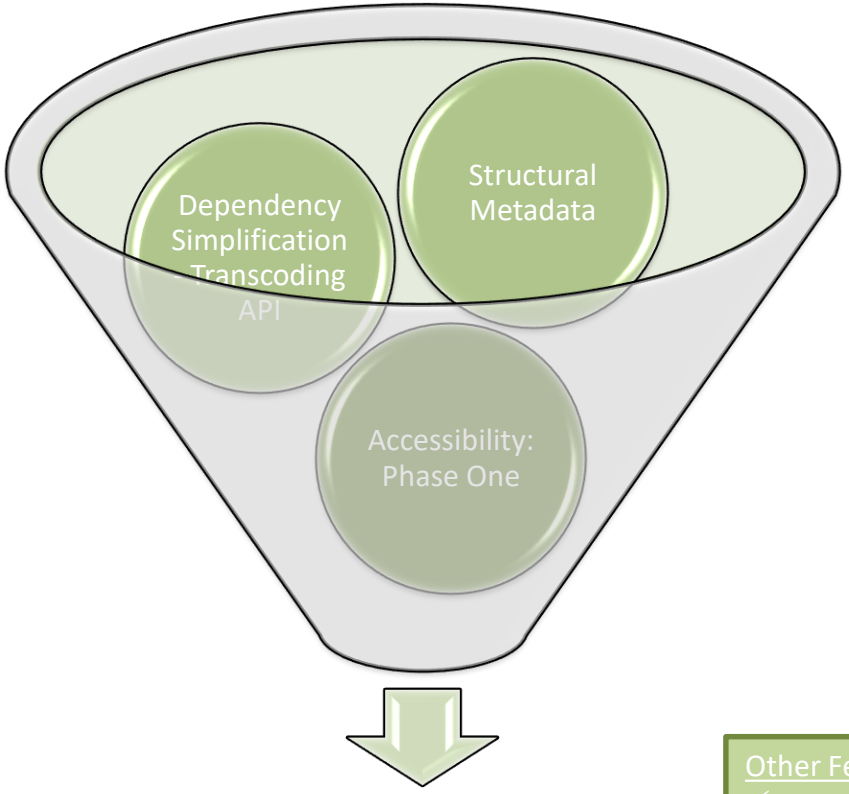
Share this resource | Embed

Copy the link below to share this resource

Item
http://hdl.handle.net/2166.MEDIA/j82k22rq52

Section
http://hdl.handle.net/2166.MEDIA/j82k22rq6c

Release 4: Summer 2015



Release 4

Other Features:

- ✓ Wowza integration
- ✓ Hydra 8
- ✓ Canvas LTI integration improvements (linking directly to item/section)
- ✓ oEmbed support

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Mellon Grant Overview

- Continuing software development and integration
- Assessment of Scholarly Needs
- Business and Sustainability Model Development
- Hosted Service Offering

THE ANDREW W. MELLON FOUNDATION

avalon MEDIA SYSTEM

Release Functionality

The team approaches release plans in an agile manner, allowing for a solid path forward but also leaving room to respond to community and user feedback in a timely manner.

Release 5
December 2015

- Technical environment for pilot SAAS
- Captioning
- Robust API development

Release 6
June 2016

- Bookmarking, Clip making, Playlists
- Annotation
- Synchronized Transcripts
- Spotlight Integration

Release 7
December 2016

- Publishing Out to External Media Sites
- Dynamic Adaptive Streaming
- Access control enhancements

Mellon Grant Overview

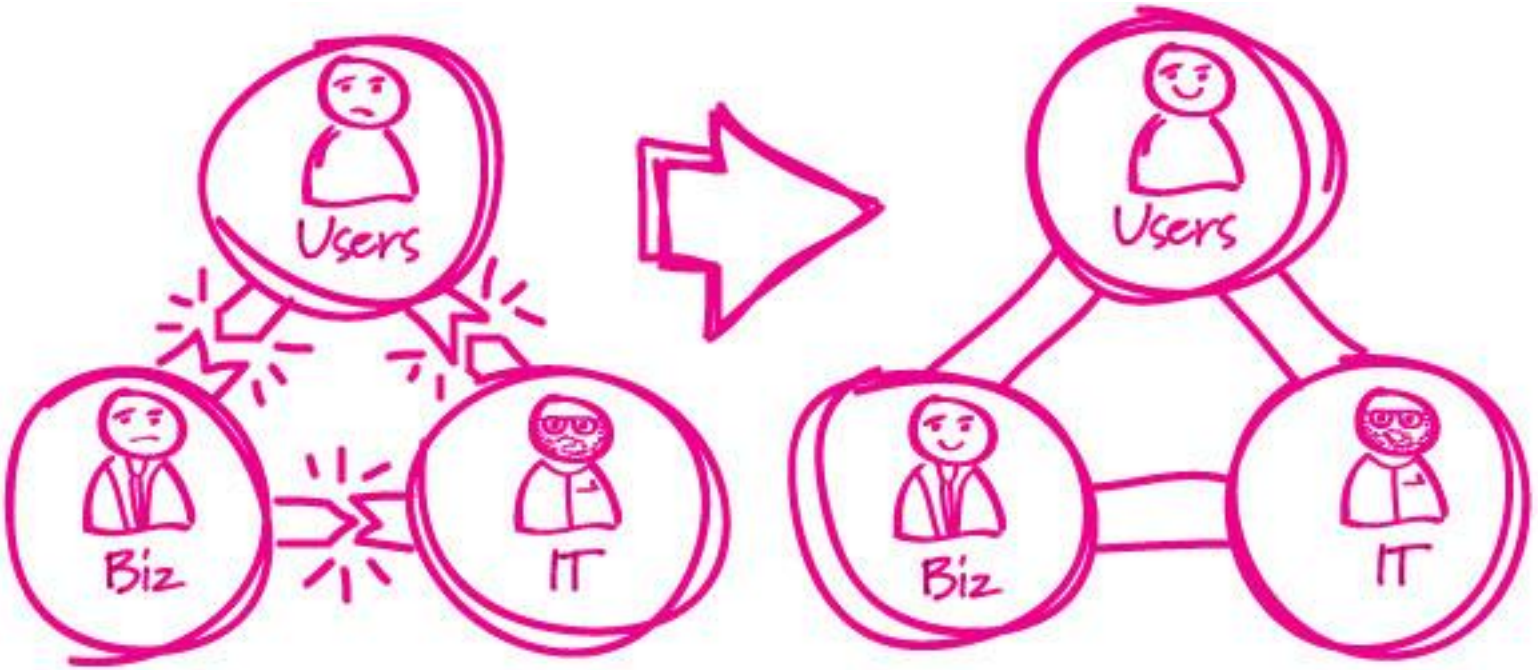
Assessment of Scholarly Needs

One important goal of this project is to fill out the Avalon requirements and implementation such that the system offers robust support for humanities scholarship.

Mellon Grant Overview

Business and Sustainability Model Development

The community of Avalon users and developers needs to become a robust, self-funded entity attracting continued investment so it can keep pace with technology changes and emerging use cases.



Mellon Grant Overview

Hosted Service Offering

Even some larger institutions have indicated an interest in being able to subscribe to a cloud-hosted instance of Avalon without having to devote their own system administrator and developer resources to its installation, maintenance, customization, and technical support.

avalon
MEDIA SYSTEM

Development Team

INDIANA UNIVERSITY

NORTHWESTERN UNIVERSITY

Jon Dunn
Project director

Julie Hardesty
Scrum master, metadata analyst

Cynthia Ramlo
Lead User Experience Designer

Chris Colvard
Lead developer

Brian Keese
Developer

Leah Lee
Developer

Julie Rudder
Project owner

Stefan Elnabli
Audiovisual Media Specialist

Karen Miller
Metadata analyst

Michael B. Klein
Lead developer

Paul Clough
Developer

Debs Cane
Repository Community Manager

INSTITUTE of Museum and Library SERVICES

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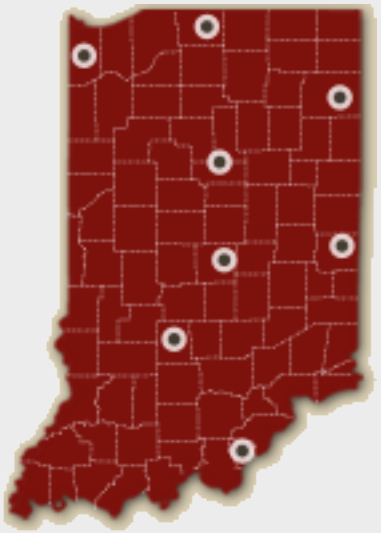
Avalon at Indiana University

IU Context

- History of audio/video digitization
- Legacy systems for delivery
- Eight campuses
- New demands
- Media Digitization and Preservation Initiative



Legacy Systems

Variations

The Indiana University Digital Music Library

EVIA Digital Archive

Ethnomusicological Video for Instruction and Analysis

Ethnomusicology Multimedia

INDIANA UNIVERSITY

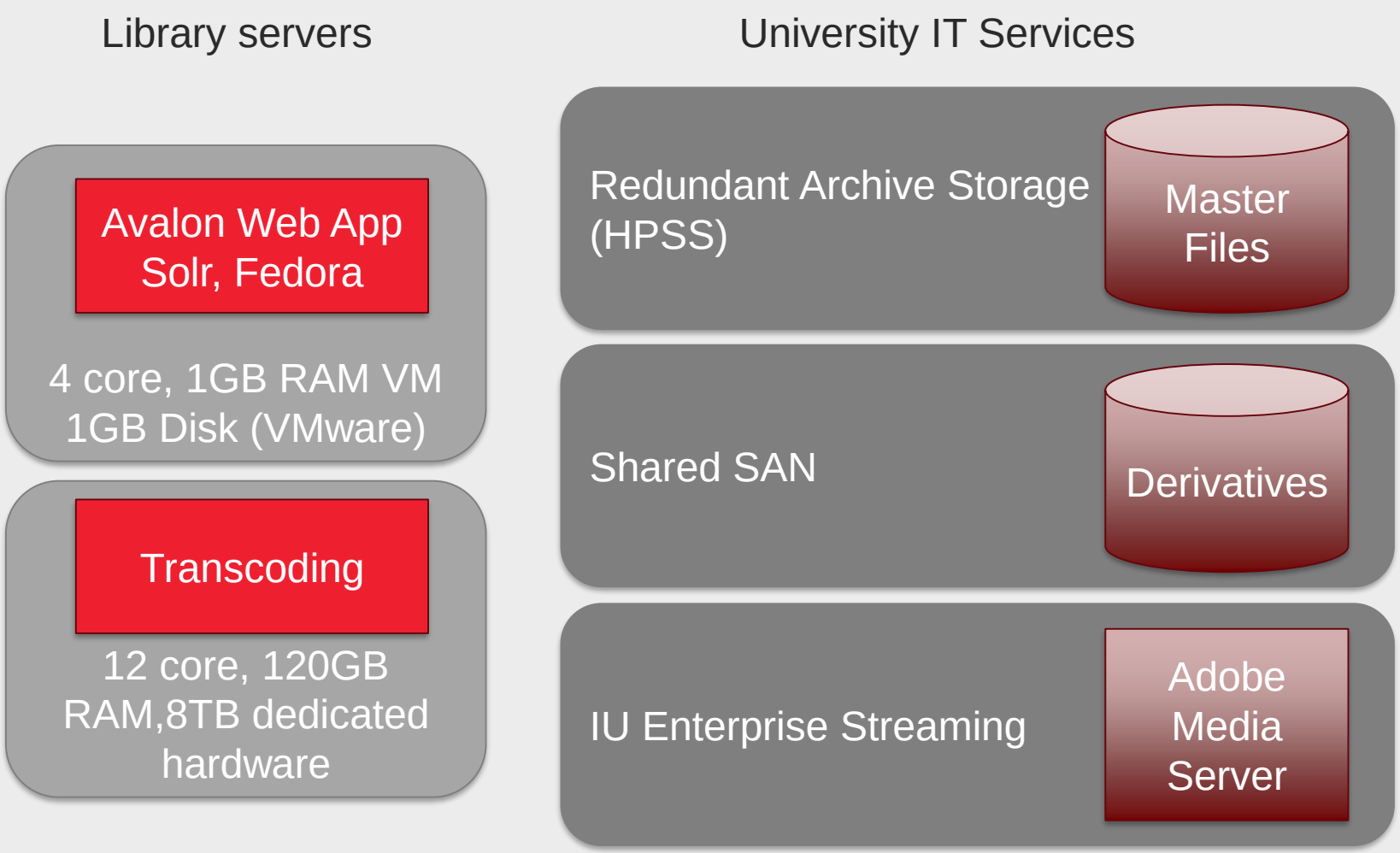
Libraries Video Streaming Service

Darwin Streaming Server

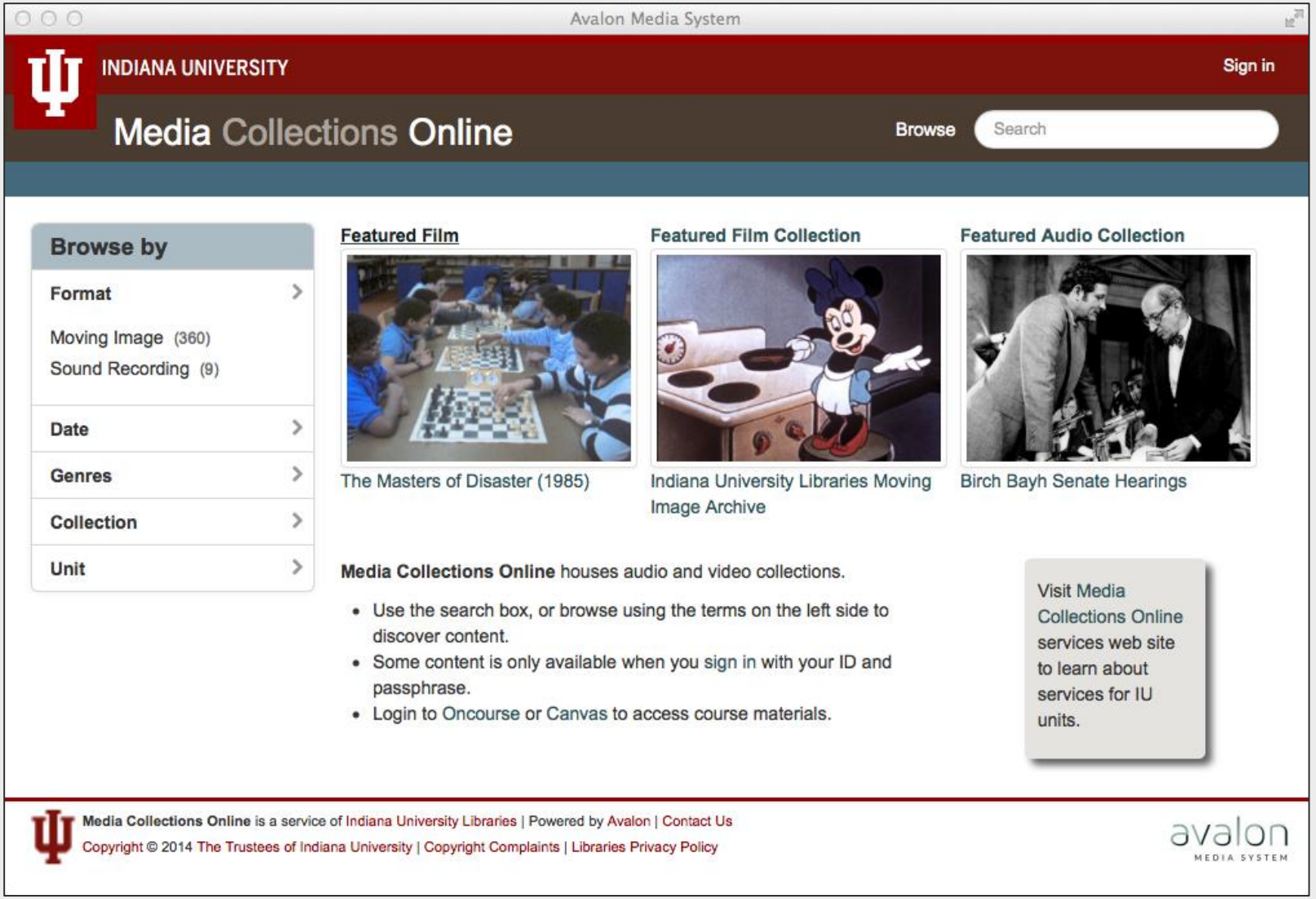
INDIANA UNIVERSITY

IU ScholarWORKS repository

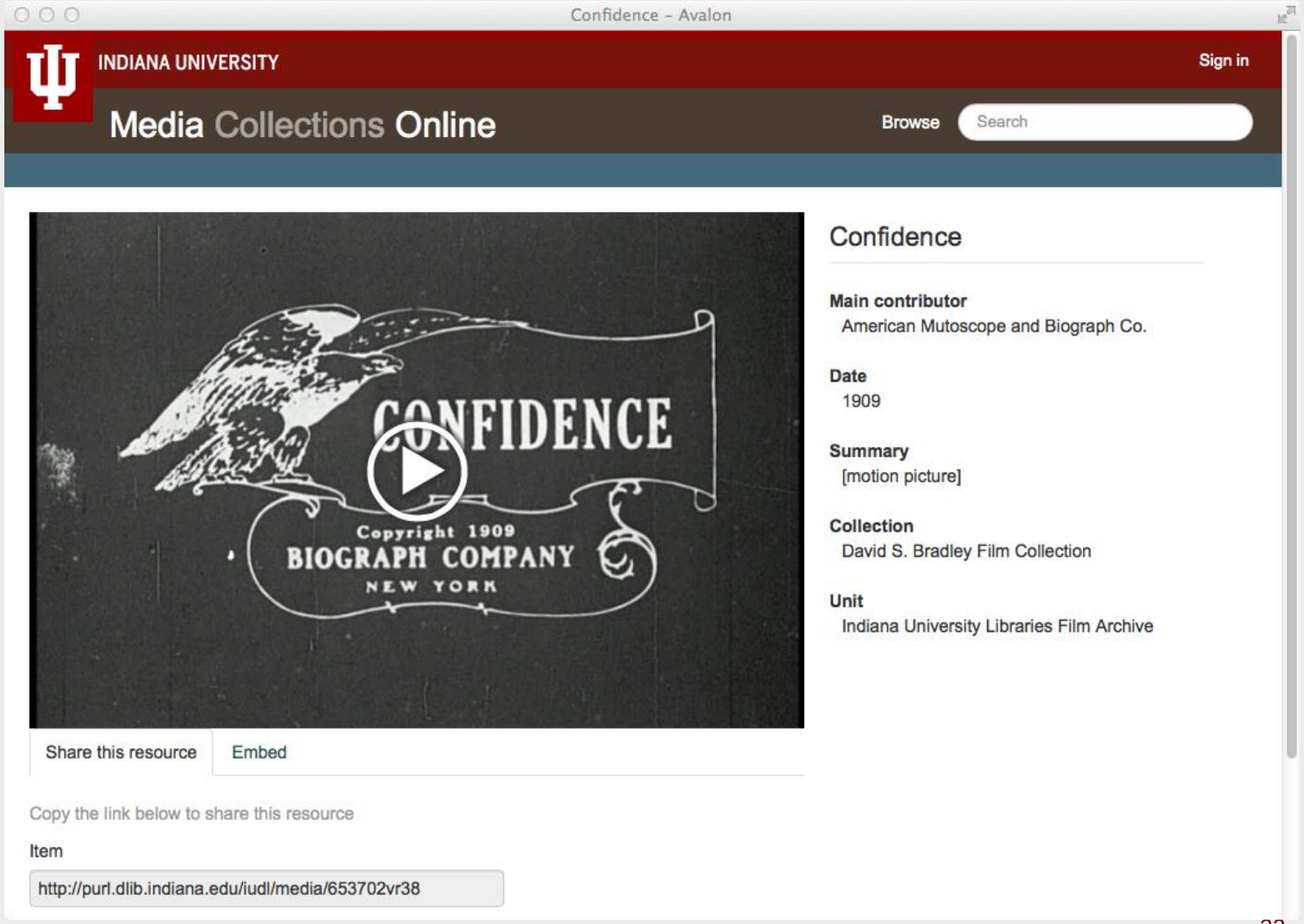
IU Deployment Environment



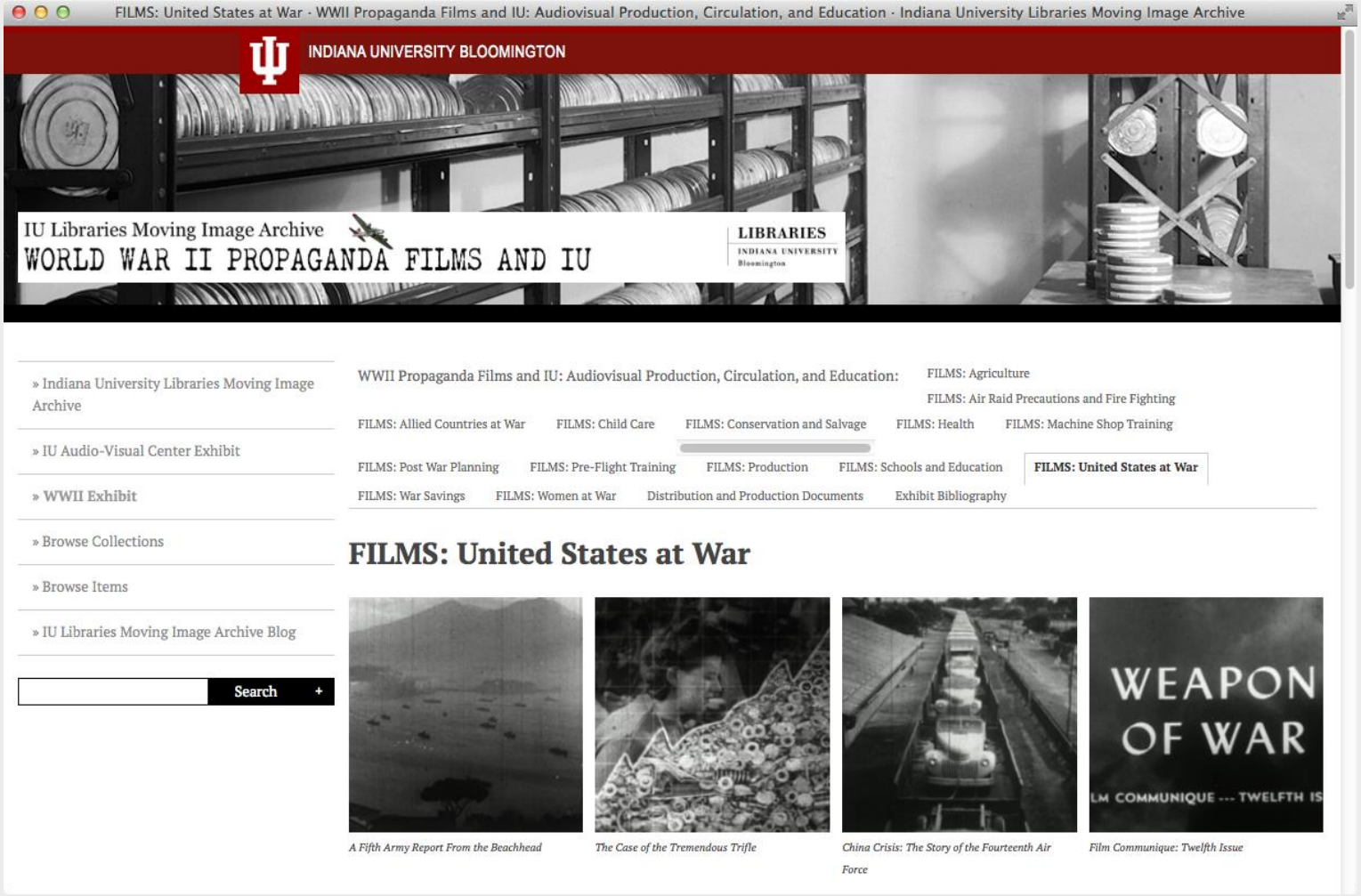
IU Production Instance
media.dlib.indiana.edu



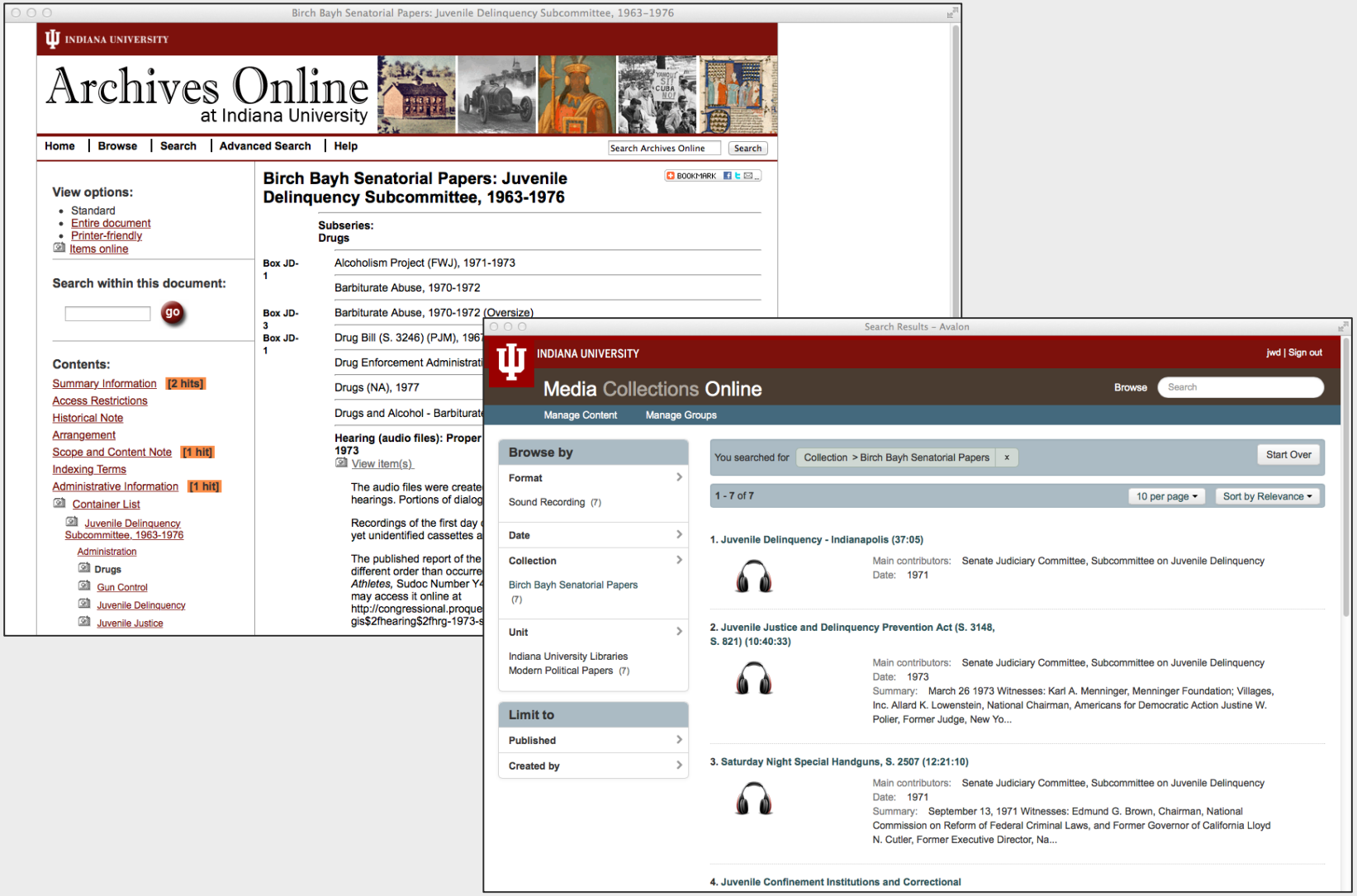
Archival Film



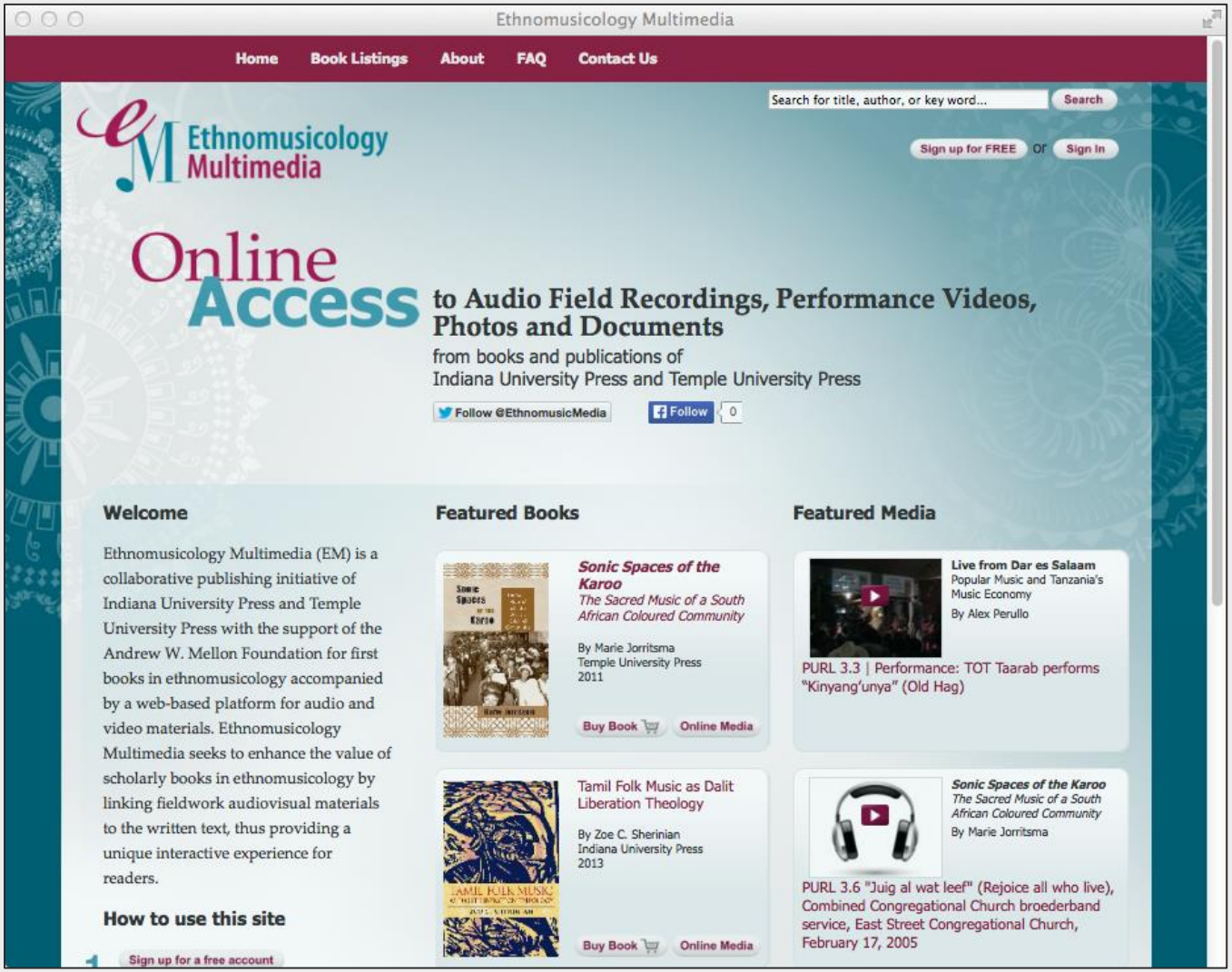
Omeka Online Exhibit: World War II Propaganda Frilms



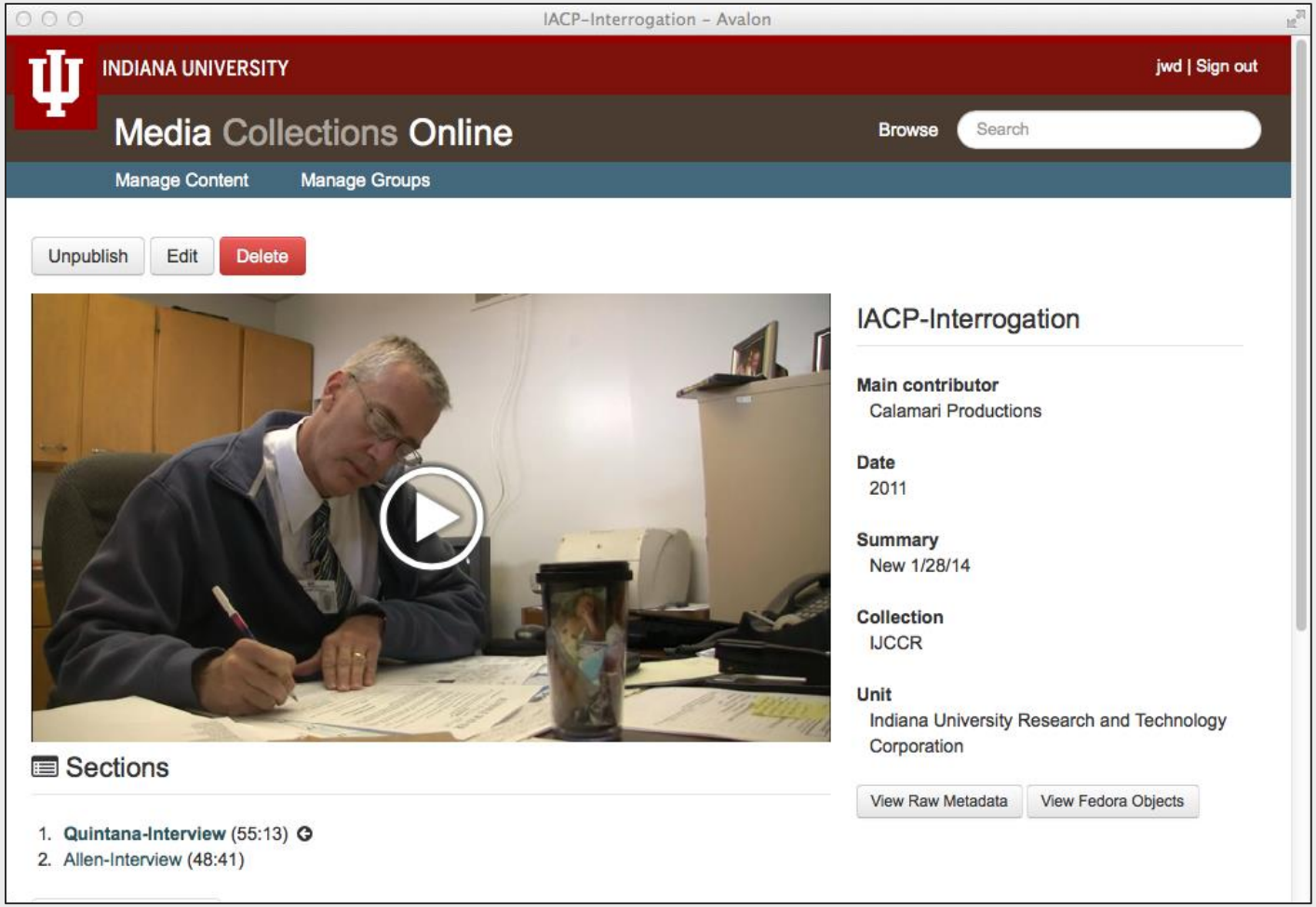
Media Within Archival Collections



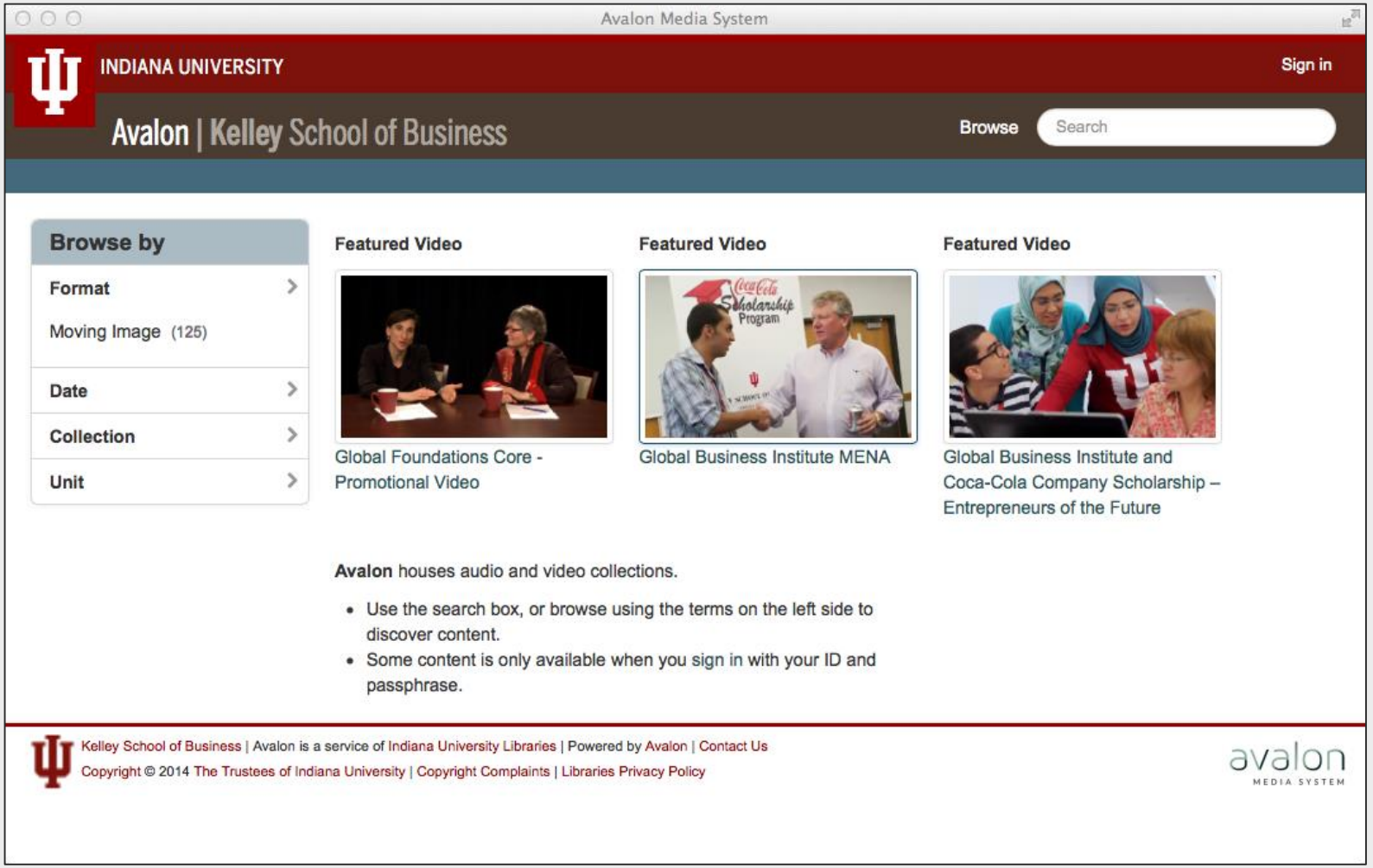
Online Publishing: Ethnomusicology Multimedia



Institute for Juvenile Court and Corrections Research



Specialized Avalon Instance: Kelley School of Business



Future Migrations

- Video e-reserves
  - LTI integration with Sakai, Canvas
- Licensed educational video
  - LDAP for campus restriction
- Variations: music audio
  - Pedagogical, annotation tools
- Media Digitization and Preservation Initiative

IU Media Digitization and Preservation Initiative

mdpi.iu.edu

Julie Rudder j-rudder@northwestern.edu
Digital Initiatives Project Manager
OR2015

+

and

How we managed 30k assets

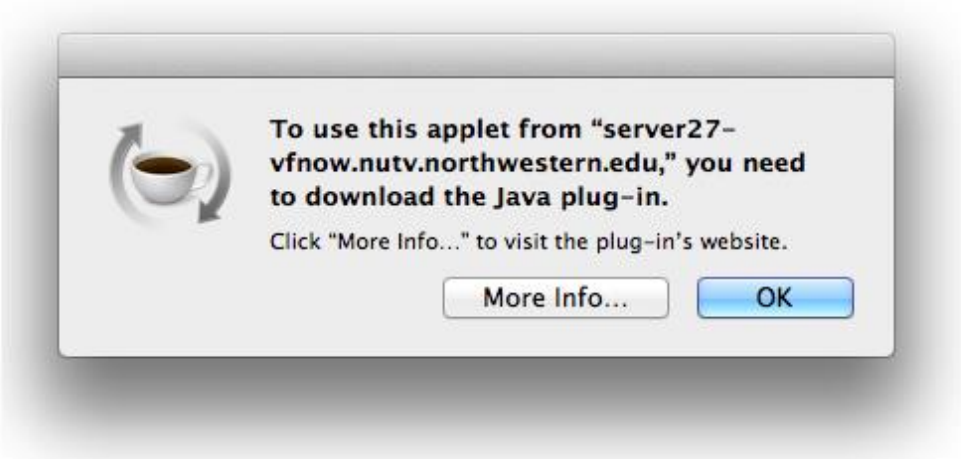
- Spreadsheets
- Emailing links
- Limited access control
- Lots of support, help pages, phone calls, email
- Minimal metadata

Add | Edit | Clone | Delete | Sort asc | Sort desc

DMS project #	Date created	Title handle	Additional title
33495	09/29/2014	http://hdl.handle.net/2166.MEDIA/4227059	
33495	09/29/2014	http://hdl.handle.net/2166.MEDIA/4227059	
30293	07/08/2014	http://hdl.handle.net/2166.MEDIA/6305264	
30293	07/08/2014	http://hdl.handle.net/2166.MEDIA/6305264	
29928	07/02/2014	http://hdl.handle.net/2166.MEDIA/1099398	
29928	07/02/2014	http://hdl.handle.net/2166.MEDIA/1099398	
[illegible]	[illegible]	[illegible]	[illegible] no.
29872	06/25/2014	http://hdl.handle.net/2166.MEDIA/5787433	Symphony no. 5
29876	06/24/2014	http://hdl.handle.net/2166.MEDIA/5787852	
29876	06/24/2014	http://hdl.handle.net/2166.MEDIA/5787852	
29870	06/24/2014	http://hdl.handle.net/2166.MEDIA/5787430	part 2
29870	06/24/2014	http://hdl.handle.net/2166.MEDIA/5787430	part 2
29870	06/24/2014	http://hdl.handle.net/2166.MEDIA/5787430	part 1
29870	06/24/2014	http://hdl.handle.net/2166.MEDIA/5787430	part 1
29873	06/23/2014	http://hdl.handle.net/2166.MEDIA/4635154	
29873	06/23/2014	http://hdl.handle.net/2166.MEDIA/4635154	
29290	05/29/2014	http://hdl.handle.net/2166.MEDIA/6306086	
29290	05/29/2014	http://hdl.handle.net/2166.MEDIA/6306086	

Really long help pages

3. Click "More Info" to be directed to the Java install page.

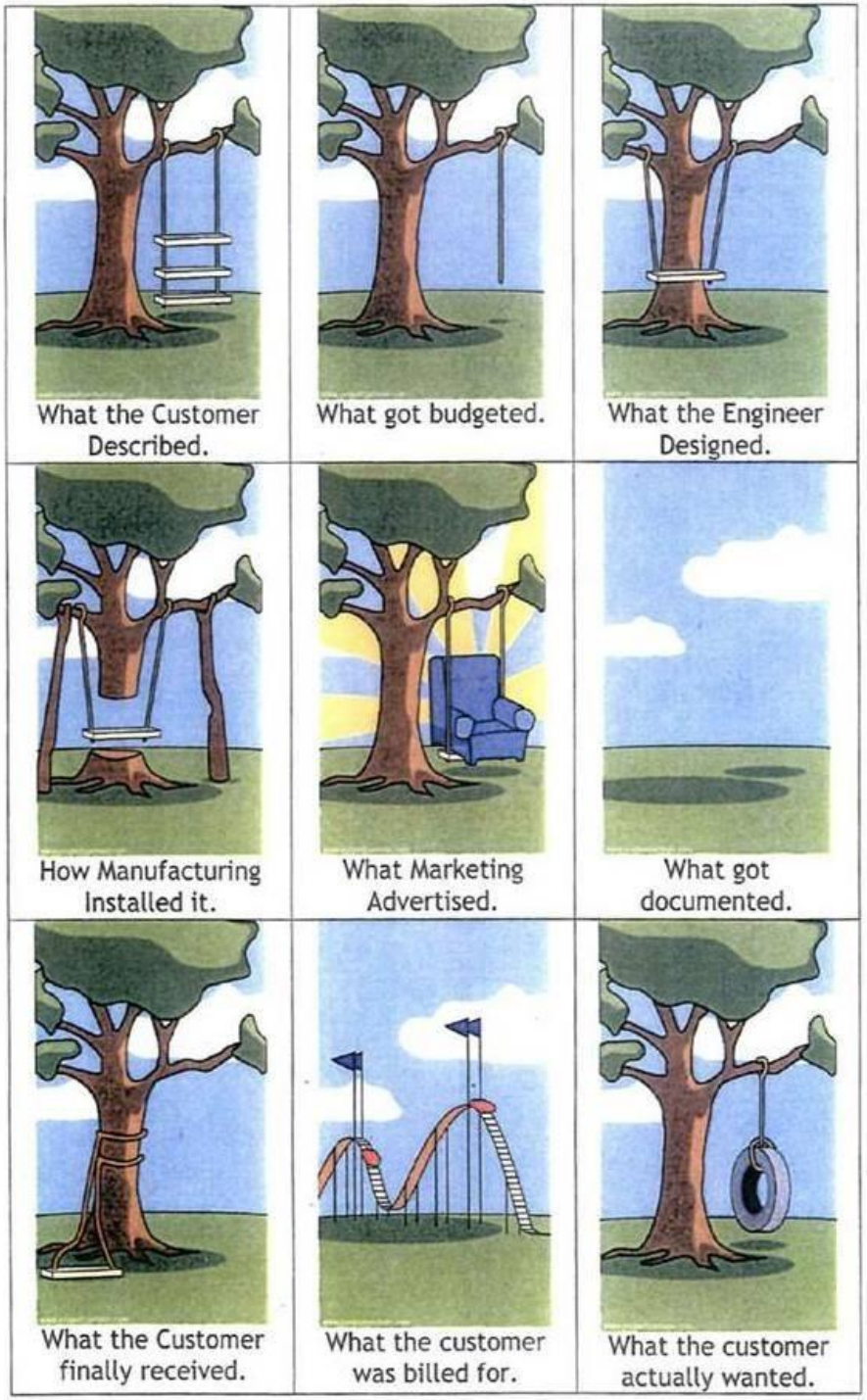


4. Click "Agree and Start Download".

5. Click "Save File" as shown below.

All new requests go into Avalon....
AVALON
Summer 2014
Summer 2015
Starting 2004 – 30,000+ streamed assets served
...Retire legacy systems

I'M HAVING CANDY FOR DINNER


What the Customer Described.
What got budgeted.
What the Engineer Designed.
How Manufacturing Installed it.
What Marketing Advertised.
What got documented.
What the Customer finally received.
What the customer was billed for.
What the customer actually wanted.

Repository | audio + video

Browse Manage Content Manage Groups

Browse by

Format

Moving Image (1352)
Sound Recording (202)

Date

Genres

Collection

Unit

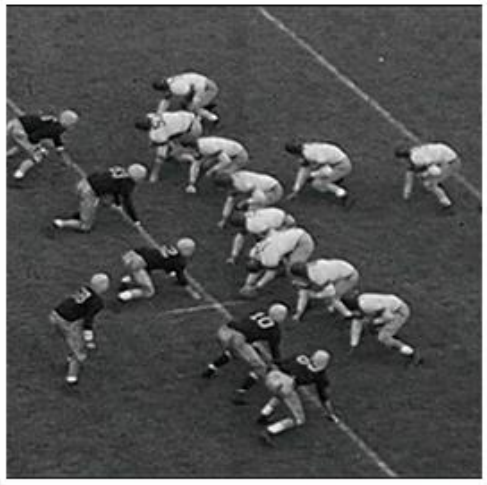
Limit to

Published

Created by

External Group

Robert Marcellus Master Class Audio Archives



Northwestern University Football Films

Using the System

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- Login to **Blackboard** or **Canvas** to access course materials via the Library Media link.

Contact Us

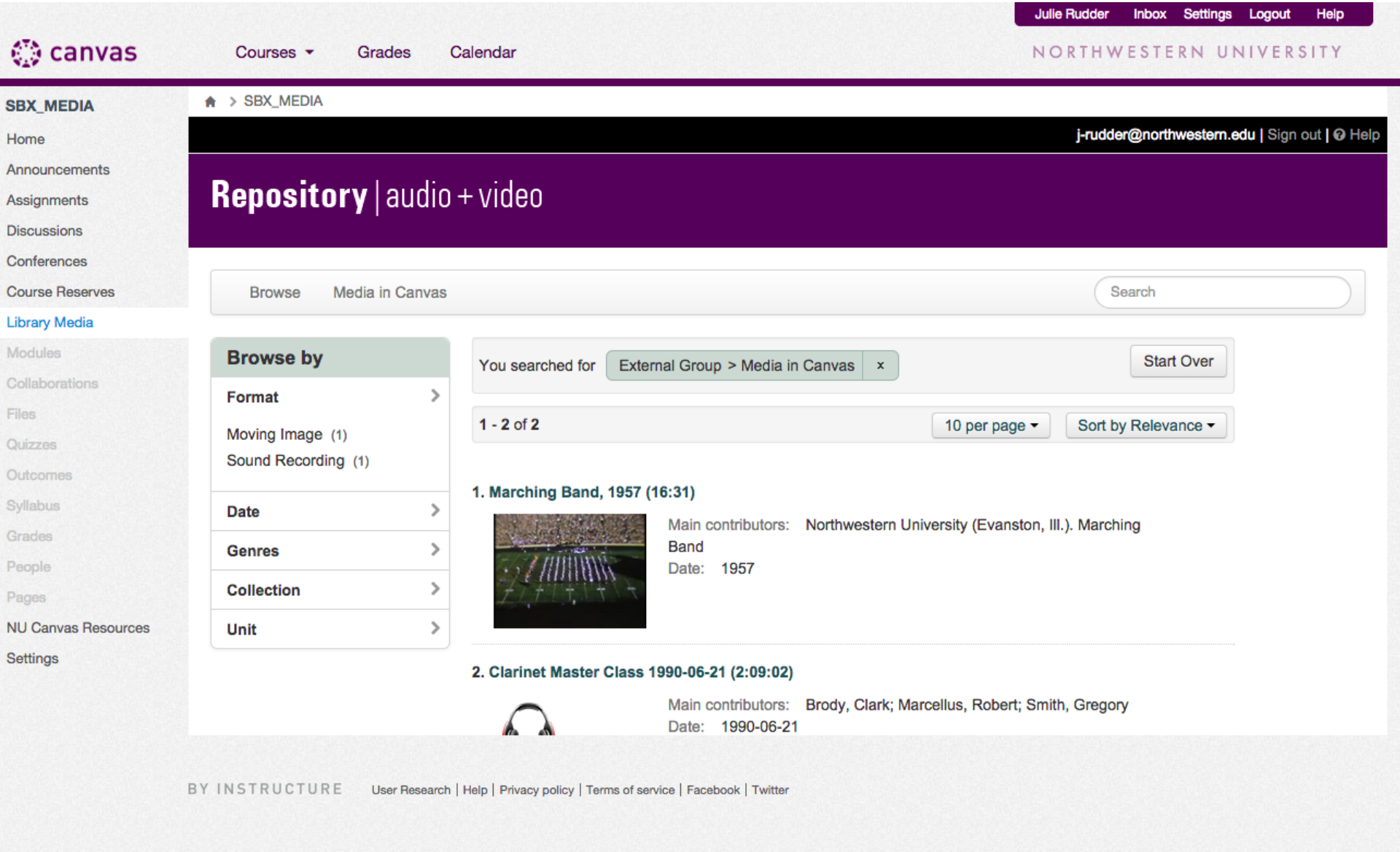
For more information contact Digital Collections

Northwestern University Library; **1970 Campus Drive; Evanston, IL 60208-2300**

NU Integrations

- LDAP
- Permanent URLs – Handle.net
- Private dropbox for collections (SMB mounts)
- AMS streaming
- Integration to existing Fedora
- Canvas LTI

Avalon LTI View



Manage file(s)
Associated bitstreams

Resource description
Metadata about the item

Structure
Organization of resources

Access Control
Who can access the item

Preview
How end users see the item

Delete this item

Public Demonstration Collection > Prelinger Archives. 1955 Chevrolet Screen Ads

Access Control

Item discovery

☐ Hide this item from search results

Item access

○ Available to the general public
○ Logged in users only
◉ Collection staff only

Assign special access

Avalon User Add

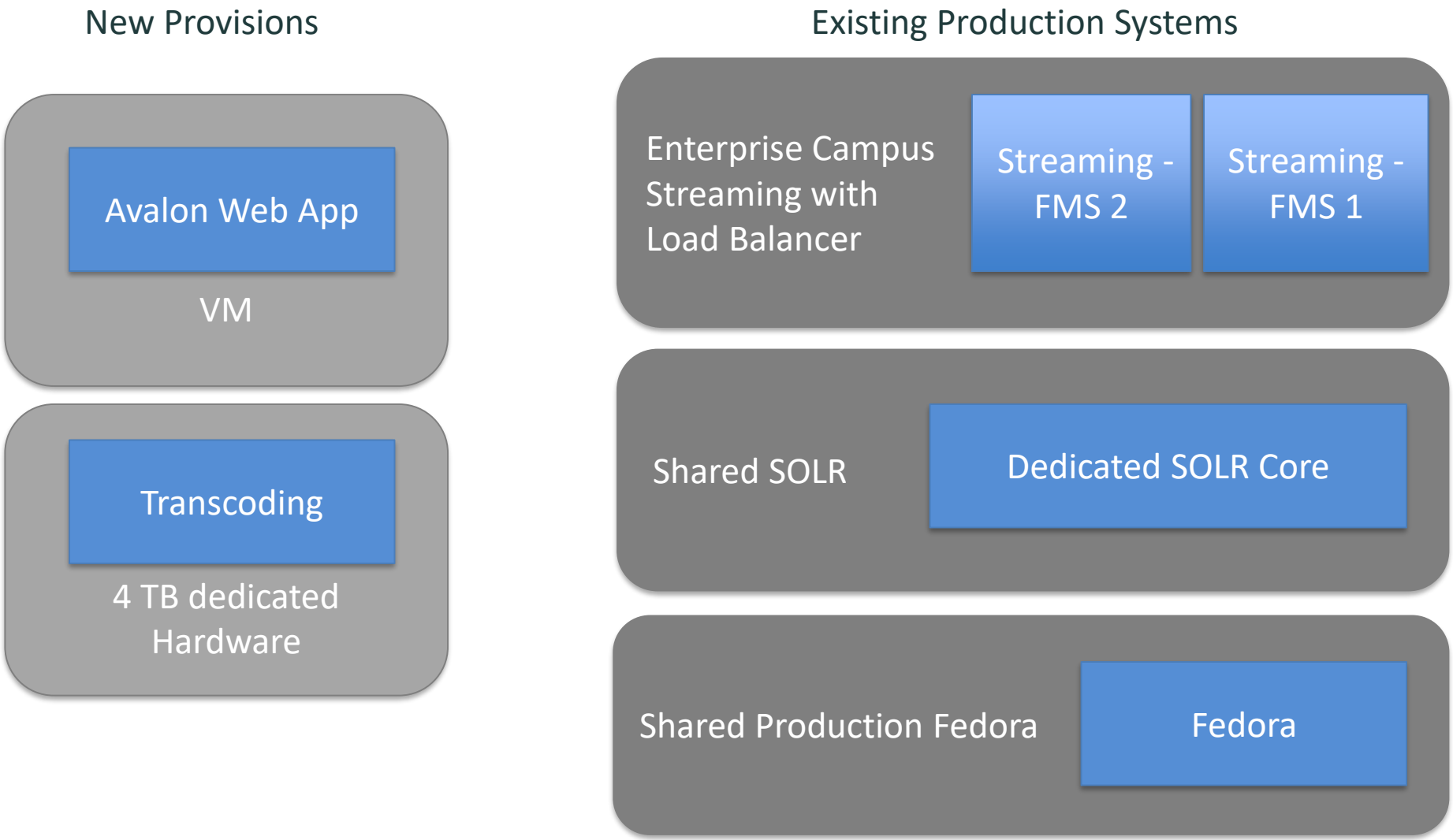
j-rudder@northwestern.edu ×

Avalon Group Add

External Group Add

PrimoTest ×

Save **Save and continue**



NU Production Environment

Staffing and Support

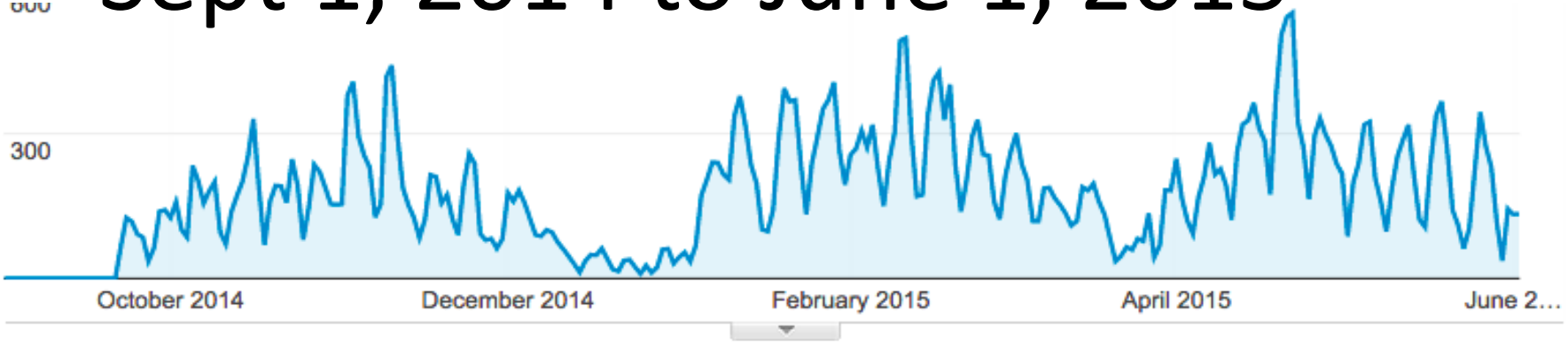
1 DevOps (install, configure, support)

1 Developer (app customization, support)

1 Project Manager (app oversight, integrations oversight)

1 Service Manager (liaise with units & users, workflow, support

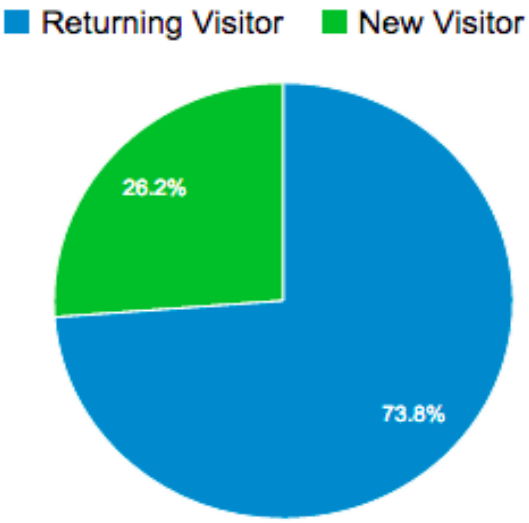
Google Analytics
Sept 1, 2014 to June 1, 2015



Sessions
48,049

Users
12,865

Pageviews
163,820



Avalon allows for new uses

- Collections that were not available before or were scattered around on Youtube
- Digital Humanities support
- Faculty research output
- Multimedia Learning Center

Unit -Multimedia Learning Center

Repository | audio + video

Browse

Search

Browse by

- **Format**
- **Date**
- **Genres**
- **Collection**
  - MMLC Student Work (5)
  - MMLC Produced Content (2)
- **Unit**
  - WCAS Multimedia Learning Center (7)

You searched for Unit > WCAS Multimedia Learning Center ×

Start Over

1 - 7 of 7

10 per page ▾ Sort by Relevance ▾

1. Jazib Farooqui Interview (1:10:01)

Main contributors: Prateek Singh; Jazib Farooqui; Ji-Yeon Yuh
Date: February 20, 2015
Summary: Prateek Singh (Born May 24 1996), a Northwestern student majoring in Religious Studies and participating in the Winter 2015 class "Oral Histories and Migration" interviews Jazib Farooqui (Born May ...

2. Josie Disterhoft Interview (1 of 2) (1:20:13)

Main contributors: Michaela Shapiro; Josie Disterhoft; Ji-Yeon Yuh
Date: January 20, 2015
Summary: Michaela Shapiro (Born October 8 1995), a freshman in the Weinberg College of Arts and Sciences at Northwestern University, participating in the Winter 2015 class "Oral Histories and Migration" int...

Unit -Multimedia Learning Center

Repository | audio + video

Browse

Search

Browse by

- **Format**
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Supporting faculty research

Ji-Yeon Yuh

Writer

Ji-Yeon Yuh is a reporter, writer, editor and professor in Asian American history and Asian diasporas at the Northwestern University. Since 2005, Yuh is the director of Program in Asian American Studies at Northwestern University. Wikipedia

Education: University of Pennsylvania, Stanford University

AVALON at the University Of Virginia

Open Repositories 2015

Background

Online Access before Avalon

- “Boutique” websites
  - QuickTime media embedded in static pages
  - occasional access controls
- Kaltura-hosted streaming media linked from MARC records
- Kaltura video embedded in OPAC view
- Shared Shelf

Description before Avalon

- MARC records in Sirsi Workflows
- Google Forms
- Spreadsheets
- Shared Shelf

Preservation before Avalon

Lots of copies with…

...info about where they were…

...spread across staff members for safe keeping.

LOTS OF COPIES *on my desk* KEEPS STUFF SAFE

Current State

Implementation Timeline

- 2014-July - 3.0 soft launch
- 2014-September - 3.1 upgrade
- 2015-January - 3.2.1 update
- 2015-February - OPAC integration
- 2015-May - 3.3 update
  - added MARC import feature for copy cataloging

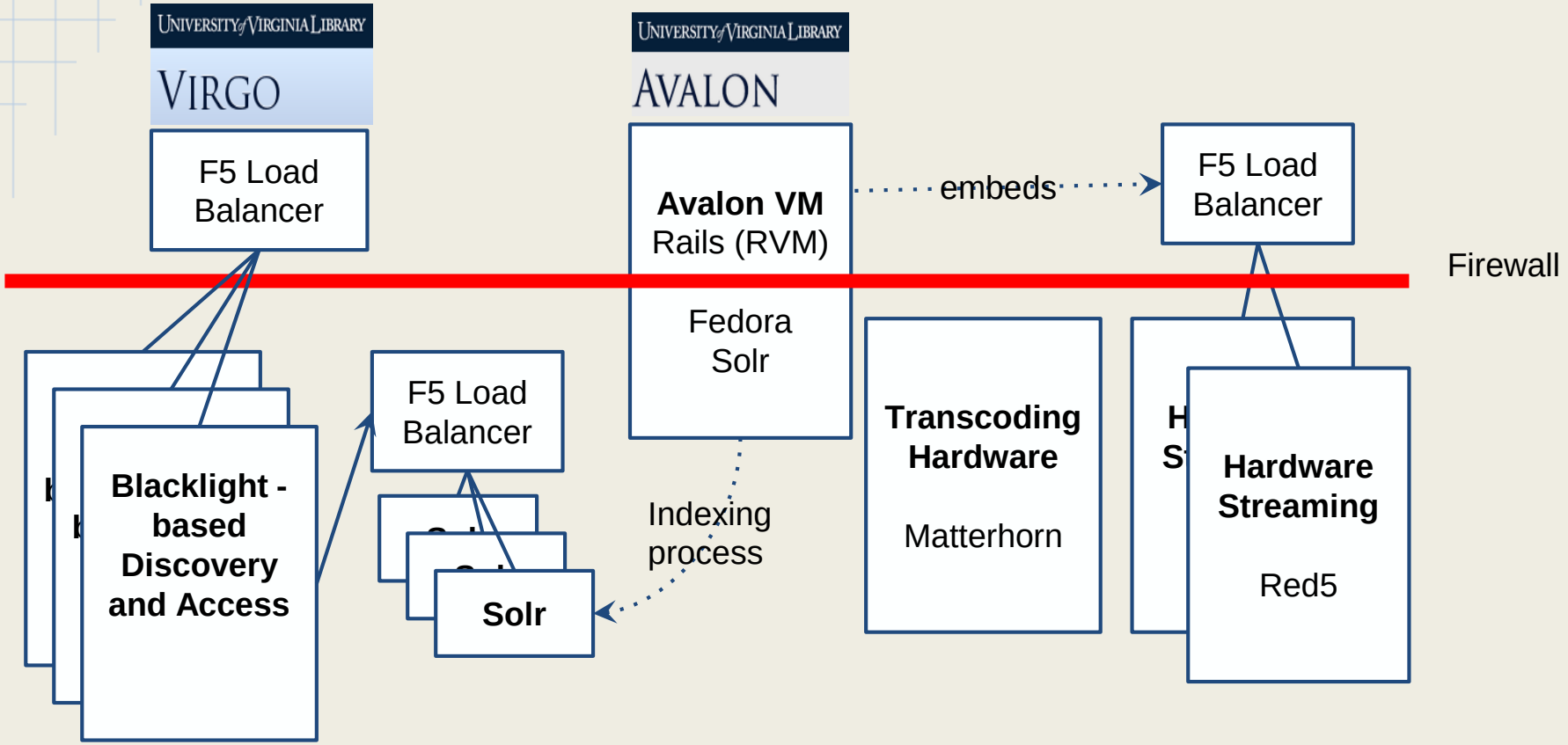
Content

- Licensed commercial content
- University-produced content
  - lectures
  - concert recordings
- Reformatted rare and unique A/V resources
  - films
  - newsreel footage
  - radio programs
  - oral history recordings
  - unpublished traditional music recordings

Access Scenarios

- Consortial access
- University access
- Collection Manager access
- Public access

Production Setup



Access Experience

- Consortial Users access the materials directly in Avalon through links at portal sites or within their catalog
- UVA users view content embedded within Virgo
- Privileged/Expert users may access or discover resources directly within Avalon

cathedrals of culture

Search

Catalog Advanced Search
Article Advanced Search

Limit results by:

You searched for: Keywords › cathedrals of culture x

650 results 1 2 3 4 5 Next › Last »

Sort by Relevancy Show 20 per page Starred Items

All

Library

Alderman (34)
Fine Arts (26)
Music (11)
See More →

Format

Online (563)
Document (376)
Book (107)
See More →

Publication Era

Last 50 years (144)
Last 10 years (104)
Last 3 years (42)
See More →

Author

Bibliographical Society of the University of Virginia (35)
Films Media Group (30)
Films for the Humanities &

1. Cathedrals of culture [videorecording]

Format Video; DVD
Publication Date 2014
Availability View Locations and Availability
Call Number VIDEO.DVD17539 pt.1, pt.2

2. Cathedrals of Culture

Author Wenders, Wim; Glawogger, Michael, 1959-2014; Madsen, Michael, 1971-; Redford, Robert; Olin, Margreth, 1970-; Aïnouz, Karim
Format Online; Online Video
Date 2014
Collection Robertson Media Center Streaming Content

Watch online

3. The new cathedrals : politics and media in the history of stadium construction

Author Trumpbour, Robert C.
Format Book
Publication Date 2007
Availability AVAILABLE Clemons (Stacks)

Item Details

Start over Add Star Item Actions

Authors

- Wenders, Wim
- Glawogger, Michael, 1959-2014
- Madsen, Michael, 1971-
- Redford, Robert
- Olin, Margreth, 1970-
- Aïnouz, Karim

Related Subjects

- Architecture and society
- Philharmonie (Berlin, Germany)
- Rossiĭskaia natsional'naia biblioteka
- Salk Institute for Biological Studies
- Operahuset (Oslo, Norway)
- Centre Georges Pompidou

Cathedrals of Culture

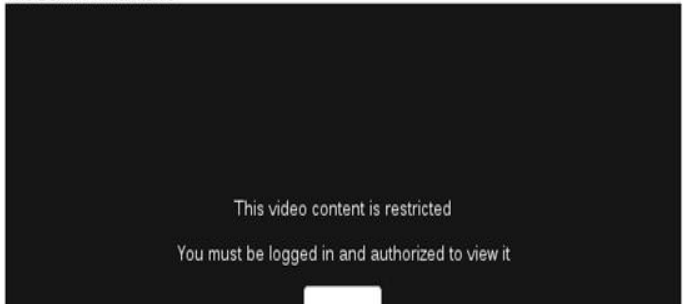
Format	Online; Online Video
Creator	Wenders, Wim; Glawogger, Michael, 1959-2014; Madsen, Michael, 1971-; Redford, Robert; Olin, Margreth, 1970-; Aïnouz, Karim
Date	2014
Summary	Six acclaimed filmmakers bring their own visual style and artistic approach to the exploration of six different landmark buildings, showing us how they reflect our culture and guard our collective memory. The buildings featured are the Berlin Philharmonic Hall, the National Library of Russia, Halden Prison, the Salk Institute, the Oslo Opera House, the Centre Pompidou. Six 26-minute episodes of a made-for-TV documentary series.
Duration	2:40:15
Publisher	Neue Road Movies (Firm)
Collection	Robertson Media Center Streaming Content

See less Always show full record

Watch Online

Part 1 | Part 2 | Part 3 | Part 4 | Part 5 | Part 6

The Berlin Philharmonic



Cathedrals of Culture

Authors

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Watch Online

Part 1 | Part 2 | Part 3 | **Part 4** | Part 5 | Part 6

The Salk Institute

Description Workflows

- Spreadsheet import
  - legacy collection, migration
- Avalon form entry
  - customized descriptions and guidelines from Metadata team
  - Training and documentation for catalogers

Preservation

- Avalon is now the system of record for item-level descriptive metadata
- Master files are passed along to mirrored storage
- External processes can perform fixity checks
- Content can be packaged for submission into AP Trust

Conclusions

Customization/Integration

- Authentication
- Branding
- Publication pipeline
- Preservation pipeline

Results

- A service and a brand
- Replaced old functionality
- Addresses many needs as “low-hanging fruit”
- Frees up time, clarifies needs for more robust preservation planning

Thanks

Michael Durbin
md5wz @ virginia.edu

Avalon

at Stanford

Hannah Frost
Services Manager
Stanford Digital Repository
Stanford Media Preservation Lab

OR 2015 ❖ Indianapolis ❖ June 10, 2015

Imperfect World

Adobe Experience Manager

brightcove

ensemble

MEDIACORE

Stanford Media Group

API DEVELOPERS
APPLICATION SUPPORT AT STANFORD
CLOUD COMPUTING
COMMUNITIES OF PRACTICE
CONTENT STRATEGY
CREATIVES
DESKTOP ADVISORY GROUP
DEVELOPMENT PRACTICES
DRUPALLERS
EMAIL CAMPAIGN

Stanford Media Group

The SMG is a vibrant community of individuals from across the campus involved in video and audio media. We come together to share and foster best practices, expose and address common needs, and propose and implement solutions -- all in the interest of supporting teaching, learning, and research at Stanford University. All are welcome to join.

Upcoming SMG meetings

Date: May 29, 2015

Time: 3-4:30 PM

Location: Turing Auditorium

Topic: Asset Management

Kathleen Cameron (and others) will present on the current requirements and vendor evaluation around Digital Asset Management (DAM) products. Come hear the latest on this exciting front!

AV Media Assets to Manage

- Collections acquired by the library
- Works produced by faculty, students, campus units
- Content selected for course reserves

Our Special Concerns

- Metadata standards
- Preservation
- Rights management
- Controlled access
- Persistent online location
- Accessibility

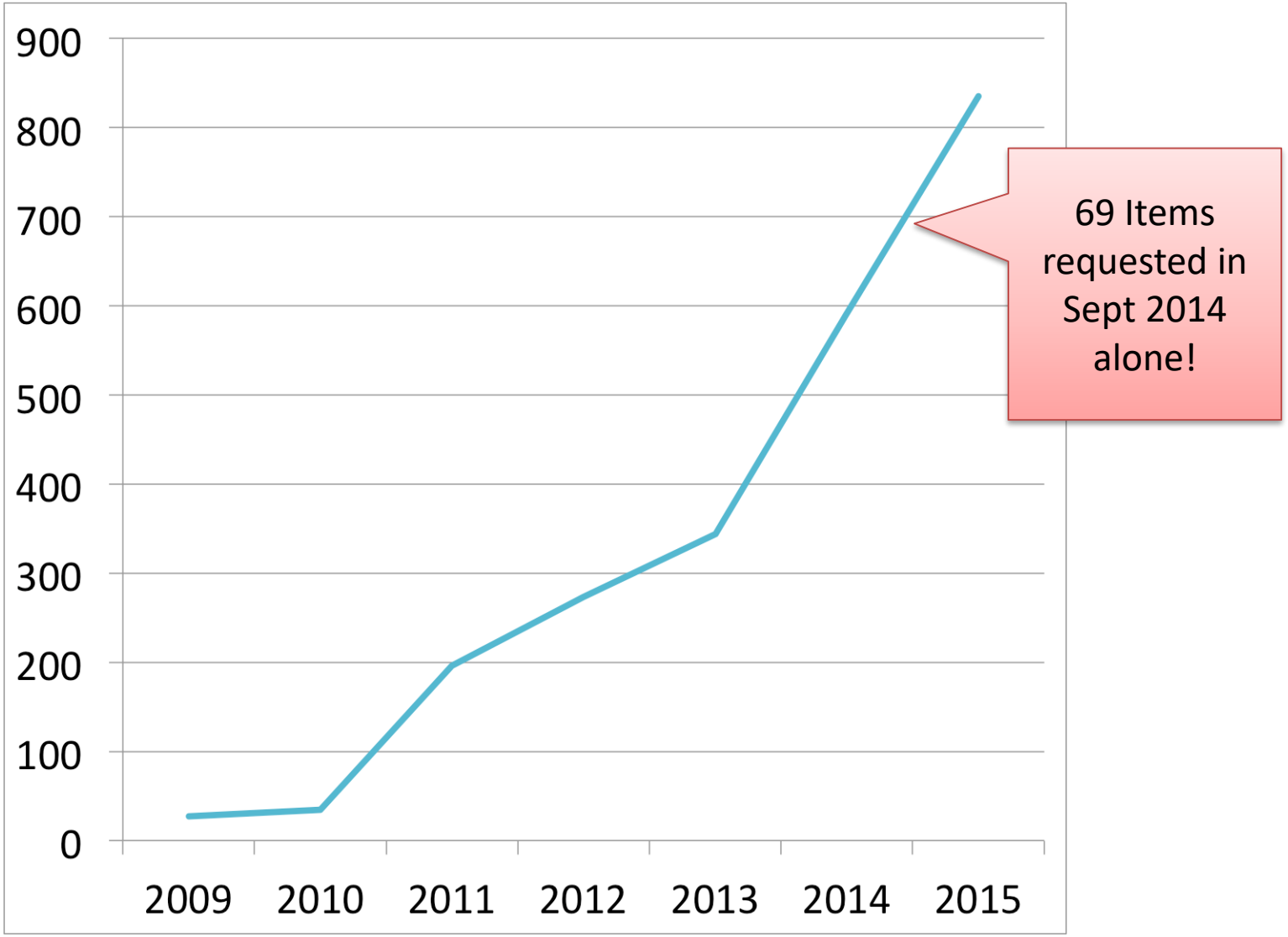
Need 1: Library collections

Media Preservation Program Goals

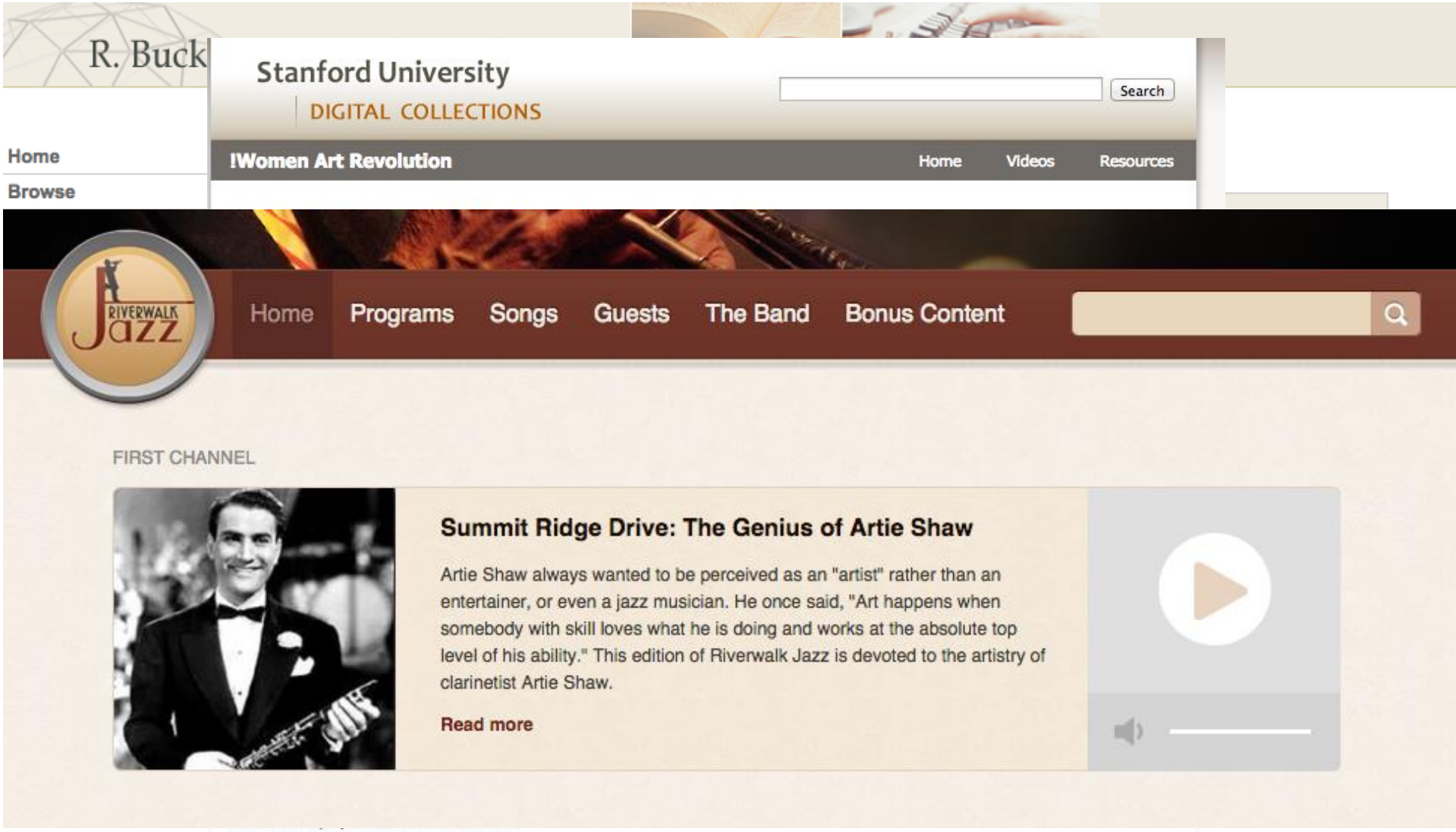
- Maintain **long-term access** to at-risk materials through high-quality reformatting
- Support **collection development**
- Promote use of media in **teaching and research**
- Integrate with **digital library**
  - Services
  - Technology
- Develop expertise, best practices, **community**

Michael in Video Lab

Rising Patron Digitization Requests



Top Collection Websites: Media



Program Goals – Checking In

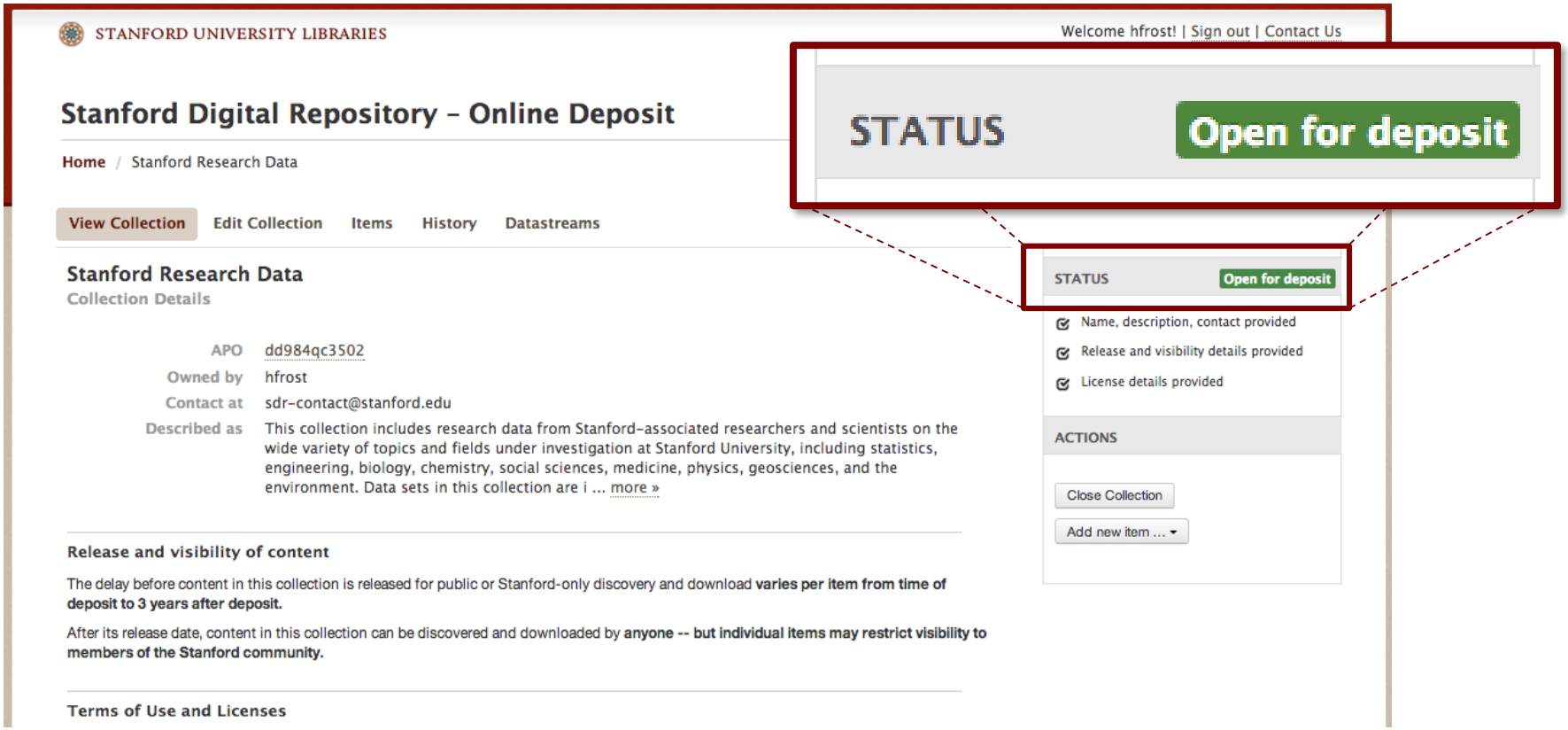
- ✔ Maintain **long-term access** to at-risk materials through high-quality reformatting
- ✔ Support **collection development**
- ☐ Promote use of media in **teaching and research**
- ☐ Integrate with **digital library**
  - ✔ Services
  - ☐ Technology: *discovery and delivery*
- ✔ Develop expertise, best practices, **community**

Media Access Working Group (2013)

Recommendations include:

- Augment systems and tools that
  - Reduce ingest backlog
  - Promote discovery and use
- Confront the rights barriers by
  - Developing reasonable access policies
  - Implementing technologies to control access

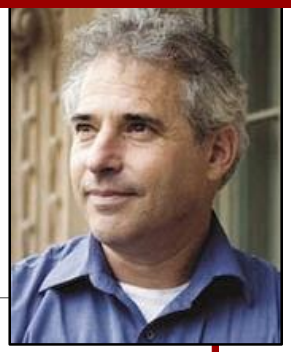
Need 2: Stanford media makers



Launched 2013 * 562 collections * 358 depositors

Jonathan Berger, Professor & Composer

Department of Music



Stanford Digital Repository – Online Deposit

Home / Visitations

View Collection | Edit Collection | Items | History | Datastreams

Visitations

Collection Details

APO	bb466fn7951
Owned by	brg
Contact at	brg@ccrma.stanford.edu
Described as	audio, video, score, libretto and performance materials for Visitations, chamber operas by Jonathan Berger

Links to related information

» Visitations – opera website – Stanford performance
» Composer website

Release and visibility of content

There is **no delay** before content in this collection is released for public or Stanford-only discovery and download.

Upon release content in this collection can be discovered and downloaded by **anyone -- all items will be visible to everybody, including non-Stanford users.**

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STATUS Open for deposit

- Name, description, contact provided
- Release and visibility details provided
- License details provided

ACTIONS

Close Collection

Add new item ...

- archival mixed material
- article
- audio – music
- audio – spoken
- class project
- computer game
- conference paper / presentation
- data set
- image
- software
- other
- technical report
- textbook
- thesis
- video

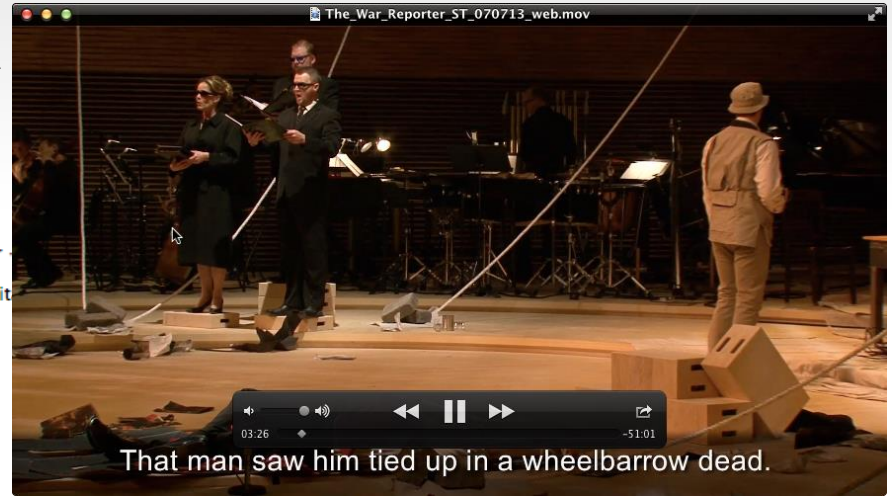
The War Reporter – Stanfo ×

purl.stanford.edu/ss383wm3905

Stanford Digital Repository

The War Reporter

Author/Creator:	Berger, Jonathan (Creator) O'Brien, Dan (Creator)
Date created:	April 01, 2013
Type of resource:	Moving image
Genre:	Motion picture
Abstract:	The War Reporter is a chamber opera by Jonathan Berger
Preferred Citation:	Jonathan Berger. (2014). The War Reporter. Stanford Digit
Contact:	brg@ccrma.stanford.edu
Collection:	Visitations
Subject:	hallucination music opera computer music ambisonic chamber music



File (Download)	Description
The_War_Reporter_ST_070713_web.mov (2 GB)	
war-reporter-SCORE-8x14.pdf (6 MB)	

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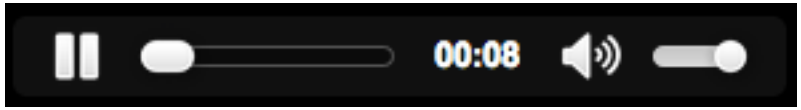
Michael Osborne & Miles Traer, PhD Students

purl.stanford.edu/hg687tp1365

Stanford Digital Repository

Generation Anthropocene: Stop Saving the Planet!

Contributor:	Jenny Price – Guest (Contributing author) Aaron Strong – Interviewer (Contributing author) Michael Osborne – Interviewer/Producer (Contributing author) Miles Traer – Producer (Contributing author) Leslie Chang – Producer (Contributing author) Maxine Luckett – Transcriber (Contributing author)
Abstract:	Historian, author, and urban park ranger Jenny Price makes her case for throwing out the well- approach stemming from social justice, a re-contextualization of nature, and even satire. In pa of the concrete Los Angeles river. As she wraps up, Jenny discusses how her satirical approach
Preferred Citation:	Price, J, Osborne, M, Strong, A (2013). Stop Saving the Planet! Stanford Digital Repository. Avai
Contact:	genanthropocene@gmail.com
Collection:	Generation Anthropocene
Related item:	Generation Anthropocene Website: Stop Saving the Planet!
Subject:	Jenny Price generation anthropocene stanford urban park ranger LA river stop saving the planet environmental history



File (Download)	Description
Price-Jenny-Aaron.mp3 (40 MB)	Generation Anthropocene, Episode #54: Stop Saving the Planet!, March 26, 2013 audio
Jenny Price Final Tanscript.txt (40 KB)	Transcript of this episode, in .txt format
Jenny Price Final Tanscript.pdf (100 KB)	Transcript of this episode, in .pdf format

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Anna Schultz, Assistant Professor

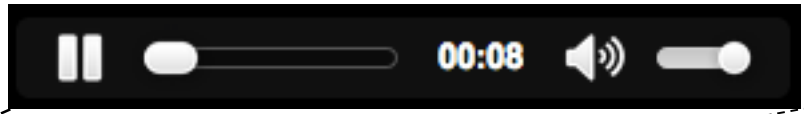
Department of Music

purl.stanford.edu/kj227vz0177

Stanford Digital Repository

Capoeira in the San Francisco Bay Area

Contributor:	Mattar, Daniel (Contributing author) Sebastian, Esther (Contributing author) Barbosa, Jomar (Contributing author) de Sa, Ronaldo "Mestre Beiçola" (Contributing author) Boxley, Rahan (Contributing author)
Author/Creator:	Makam, Megha (Author)
Date created:	June 2014
Type of resource:	Sound recording-nonmusical
Genre:	Sound
Abstract:	The files here contain interviews with practitioners of capoeira that live in the San Francisco Bay Area. The interviews include the following people: Daniel Mattar is an instructor at FICA Oakland, teaching the Capoeira Angola style. Esther Sebastian and Jomar Barbosa are students of Capoeira Angola style and attend Daniel's training sessions in Sunnyvale, CA. They are visiting from Brazil and have a group that they train with in Sao Paulo (Grupo Nzinga). Mestre Beiçola (actual name Ronaldo de Sa) is a capoeira mestre from Rio d ... more »
Contact:	meghasmakam@gmail.com
Collection:	Music Ethnography of the Bay Area Collection - ARS.0152
Subject:	ethnomusicology capoeira ethnography Brazil Bay Area martial arts culture movement music dance



File (Download)	Description
Interview_DanielMattar.wav (2 GB) S	Interview with Daniel Mattar, May 6, 2014
Interview-Esther_Jomar.WAV (400 MB) S	Interview with Esther Sebastian and Jomar Barbosa, May 8, 2014

Chris Gerdes, Director

Revs Program, Dynamic Design Lab

STANFORD UNIVERSITY LIBRARIES

Stanford Digital Repository – Online Depos

Home / Dynamic Design Lab / Autonomous Vehicle Control ... (draft)

View Draft | Edit Draft | History | Datastreams

Autonomous Vehicle Control Up to the Handling Limits
Supplemental Material
Item Details

Will be online at	http://purl.stanford.edu/jf481sc6894
In collection	Dynamic Design Lab (view items)
Deposited by	jfunke
Contact at	jfunke@stanford.edu
Version Details	v1.0.0 – Initial Version
Item created	2015-04-21 4:16 pm
Version started	2015-04-21 4:17 pm
Last saved	2015-04-21 4:23 pm

Authors and Contributors

Author	Funke, Joseph
Author	Brown, Matthew
Author	Erlien, Stephen
Author	Gerdes, J. Christian

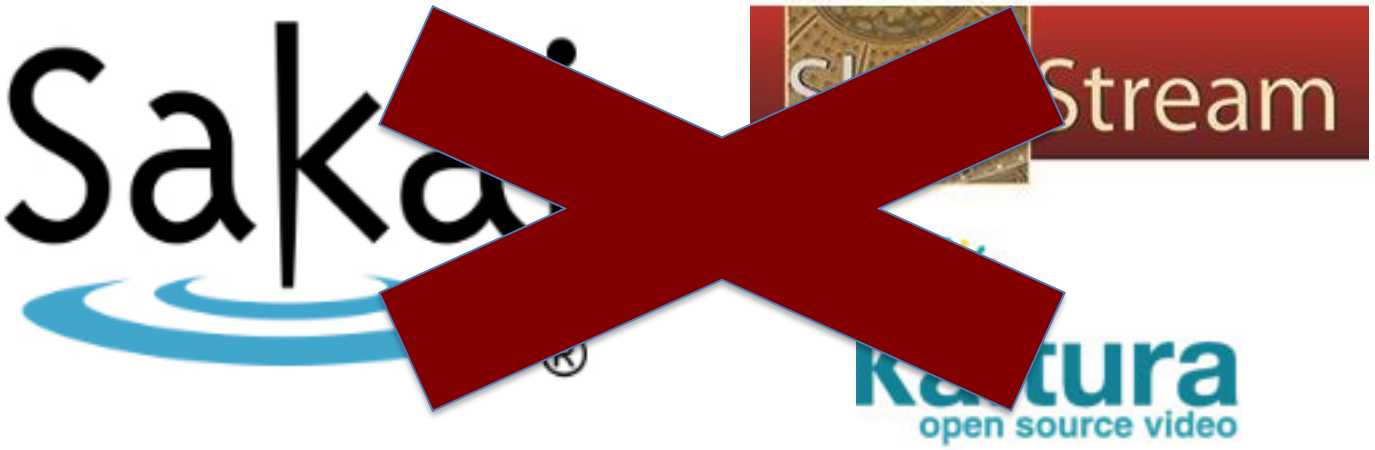
Item can be published

ACTIONS

Publish

View Terms of Deposit
Share link to this item
Discard this item

Need 3: Content for access by LMS



canvas + ?

Looking for a Solution

- Technology
  - Open source
  - Open-minded and flexible

Fedora™

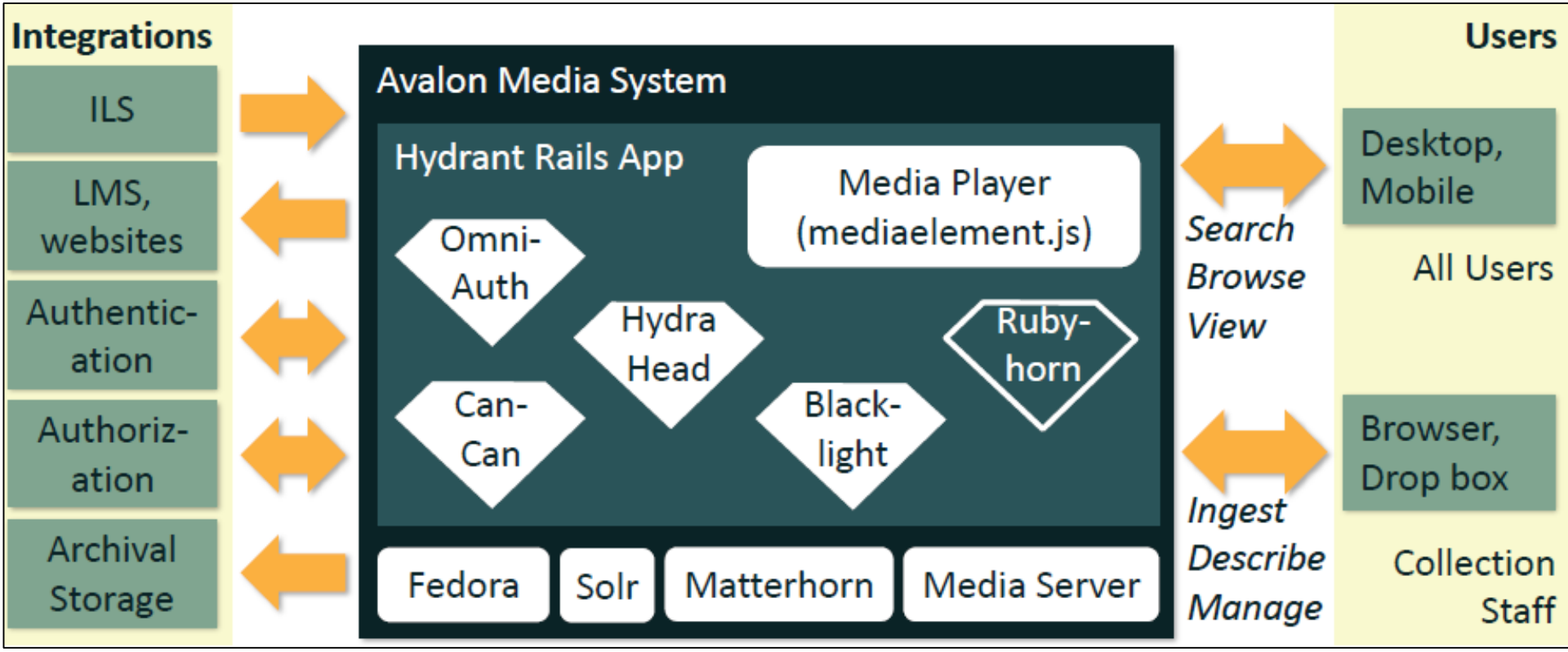
- Community
  - Vibrant, smart
  - Digital library-centric

Avalon at Stanford

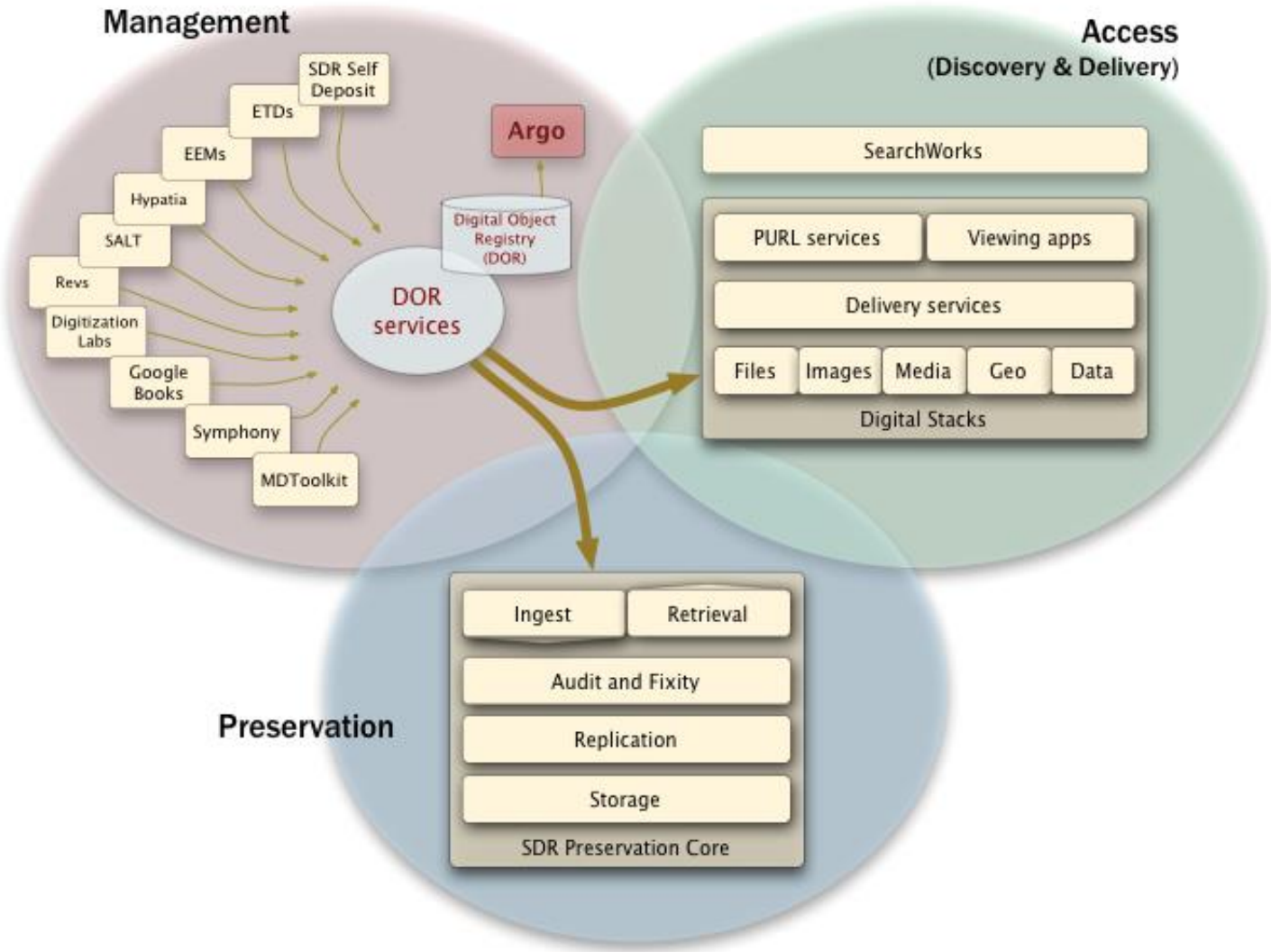
- Shares common concerns
  - Standards, preservation, access control, persistence, etc.
- Meets our core needs
  - Functional, technical, philosophical
  - Tested by Media Access Working Group
  - Supported by SUL Management

Adoption has been obvious, but …

Avalon is self-contained

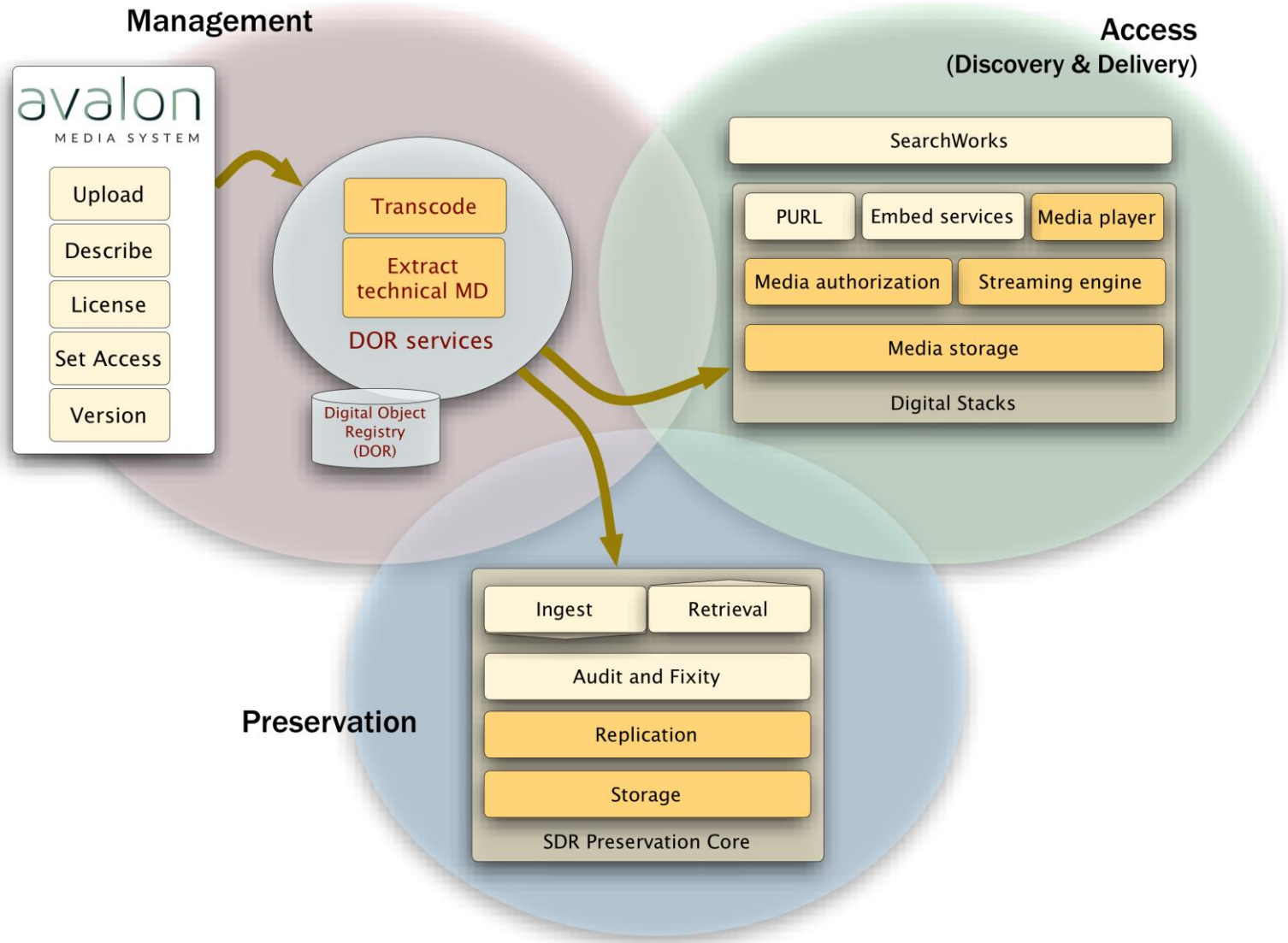


Our digital library is not self-contained



Then comes
Avalon Release 4

Avalon on Stanford's digital library



Special Areas of Interest

- Wowza Streaming Engine
- Pluggable transcoding engine
- Open Annotation
- Transcripts/captions
- Capturing special license terms
- Integration with Fedora 4
- Making Avalon more modular

Thank you!

Hannah Frost
hfrost@stanford.edu

Questions?

www.avalonmediasystem.org