avalon
MEDIA SYSTEM

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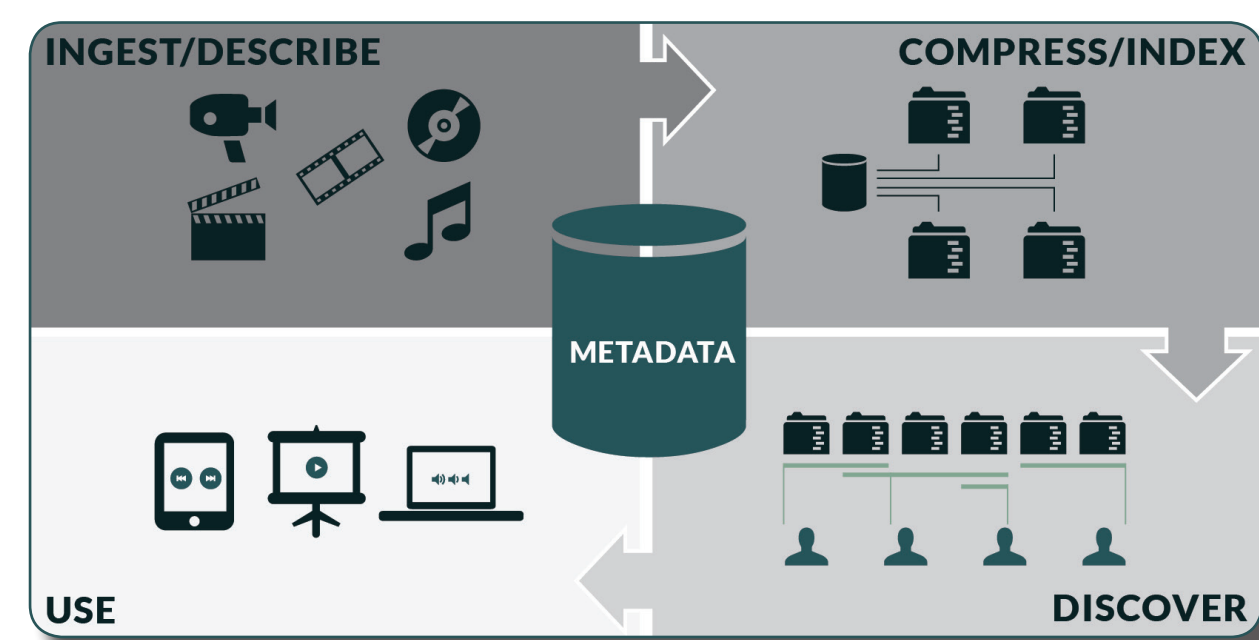Indiana University Libraries
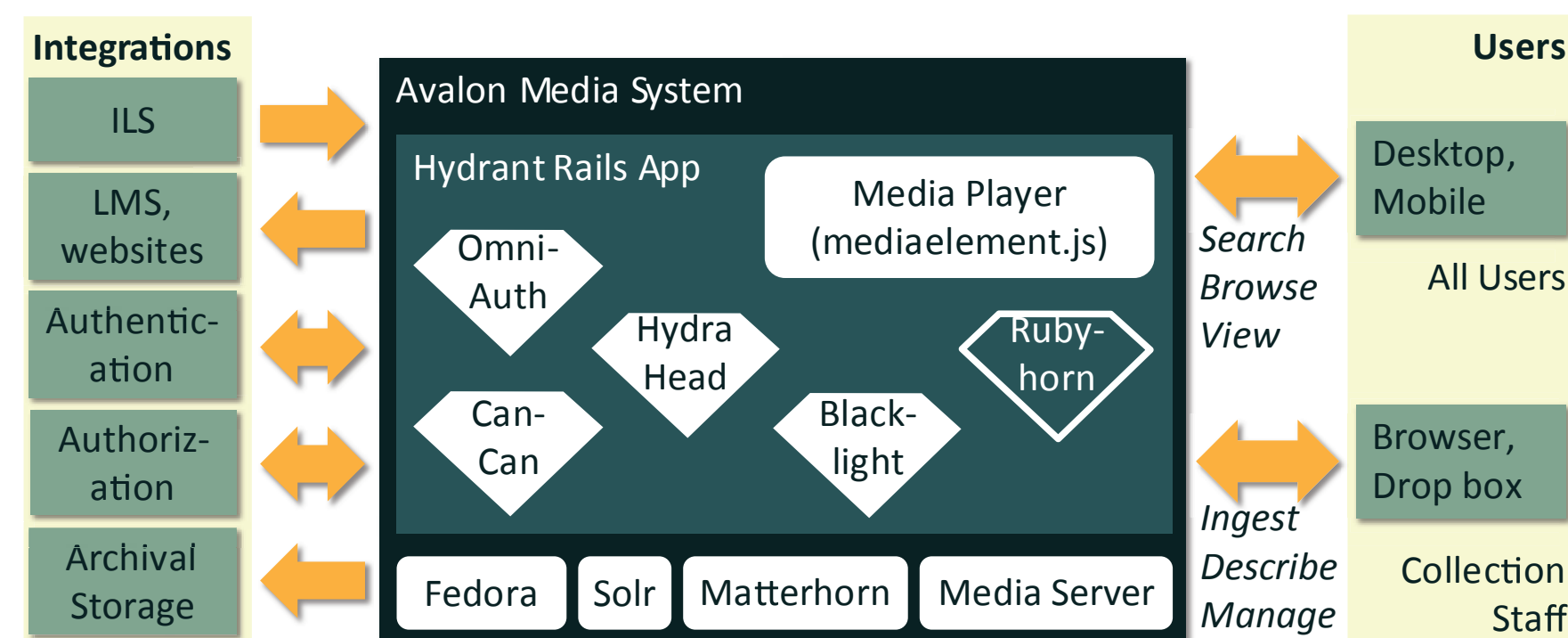jwd@iu.edu

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.
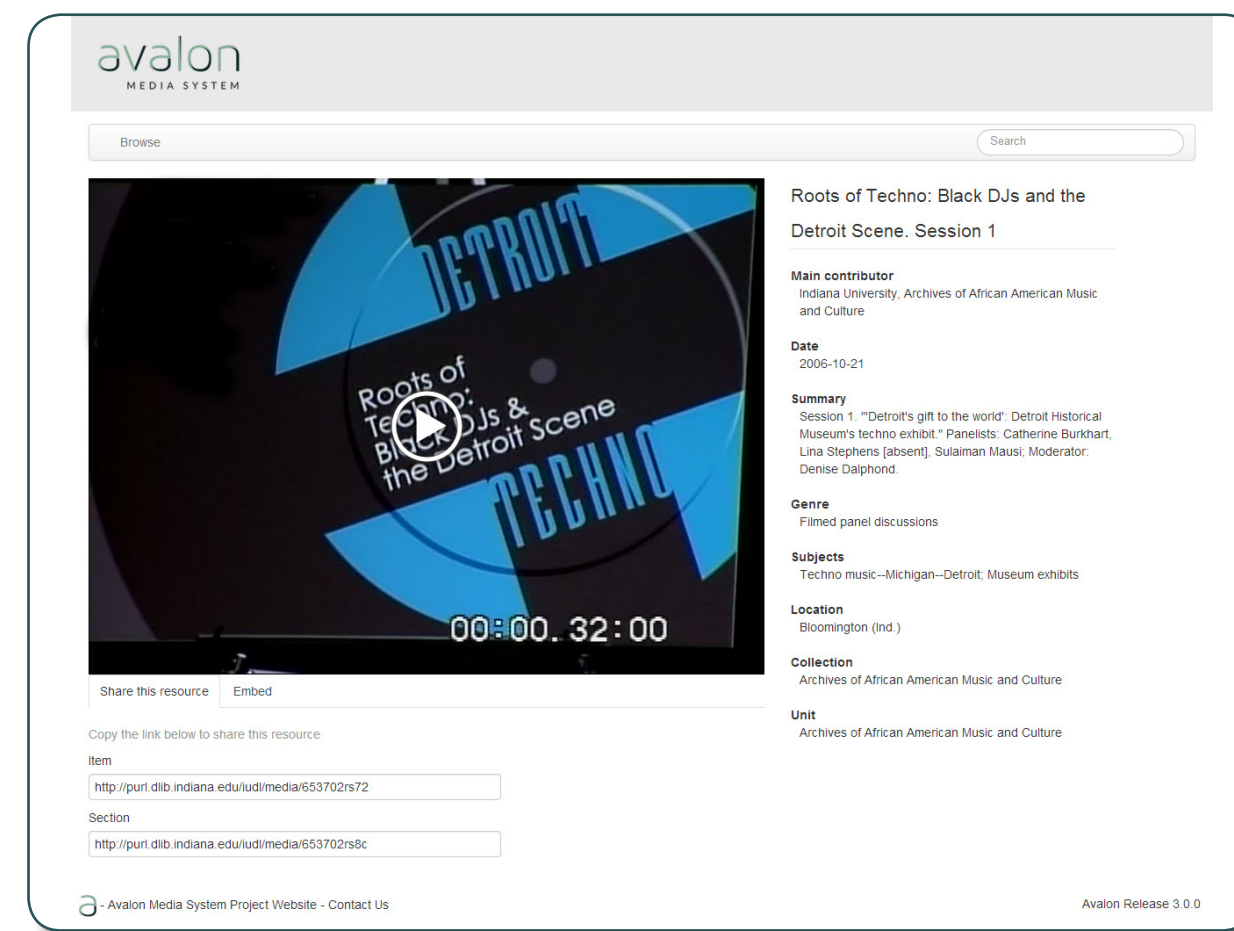

The system leverages a number of other open source tools. In addition to the Hydra framework and Blacklight discovery interface, audio and video processing are based on technology from the Opencast Matterhorn project, metadata persistence is provided by the Fedora digital repository system, and metadata indexing is provided by Apache Solr.

The architecture of Avalon is designed to be modular and extensible in order to support integration into and with other academic systems, including integrated library systems, learning management systems, and eventually, scholarly annotation and research tools.
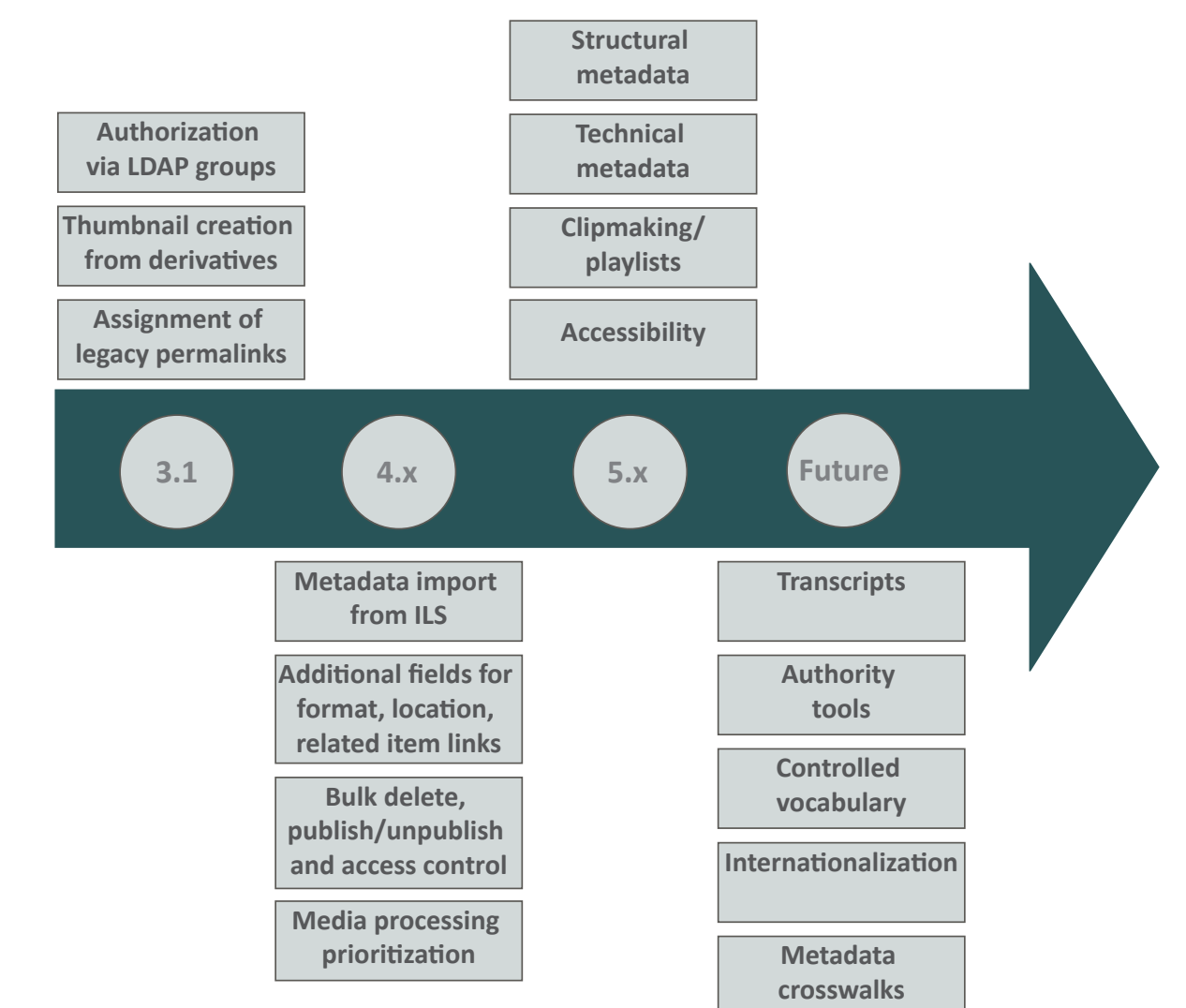

Avalon Features
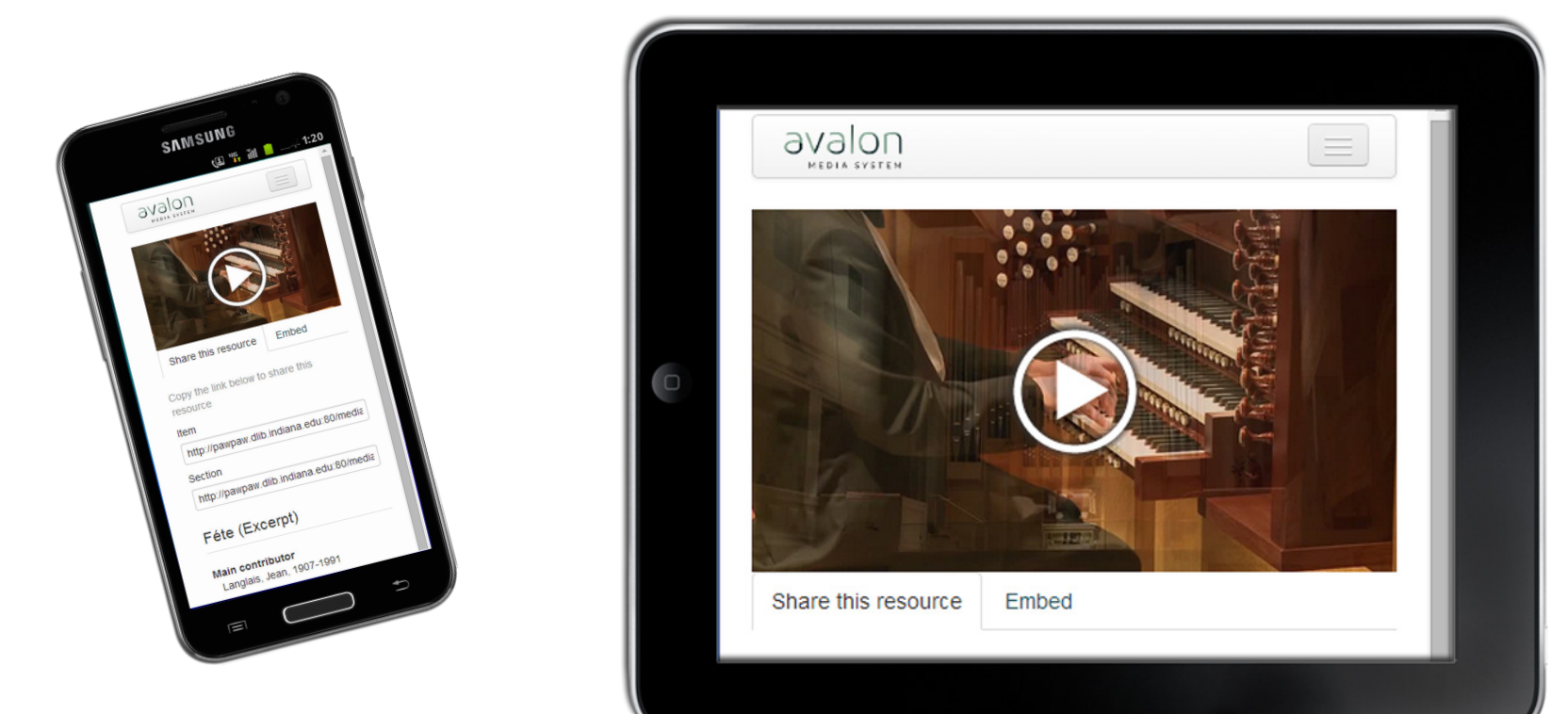

With the Avalon 3.0 release in May 2014:
- Faceted discovery for search and browse via Blacklight
- Video and audio playback in desktop browsers or on mobile devices, with stream-level security
- Ability to embed a media player in other web sites
- Support for persistent URLs
- Ingest and management of media files based on the Ruby on Rails-based Hydra framework
- Interactive or batch uploading of media files and MODS metadata, with support for private collection dropboxes
- Integration with other enterprise systems:
    ◊ Red5 and Adobe media servers
    ◊ Local authentication services (LDAP, CAS, and others)
    ◊ Learning management systems, via the Learning Tools Interoperability (LTI) standard
- A hierarchical model for permissions that supports a flexible approach to collections-based content management
- Customized thumbnails by taking a "snapshot" or specifying a timepoint
- Quick import of previously transcoded derivatives
- Easy installation and configuration via a virtual machine image and other methods

For More Information

a **avalonmediasystem.org**
f **facebook.com/AvalonMediaSys**
  @AvalonMediaSys

For more information on conducting a pilot at your institution or to access the demo server please visit our web site:
http://www.avalonmediasystem.org/try-out-avalon.

What's Next for Avalon?

Avalon software releases are becoming more frequent, with a goal of putting out at least a minor release every two months. This schedule of features is subject to change as the community helps to shape Avalon priorities.

Responsive Design

Project Information

This project was made possible in part by the Institute of Museum and Library Services.

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