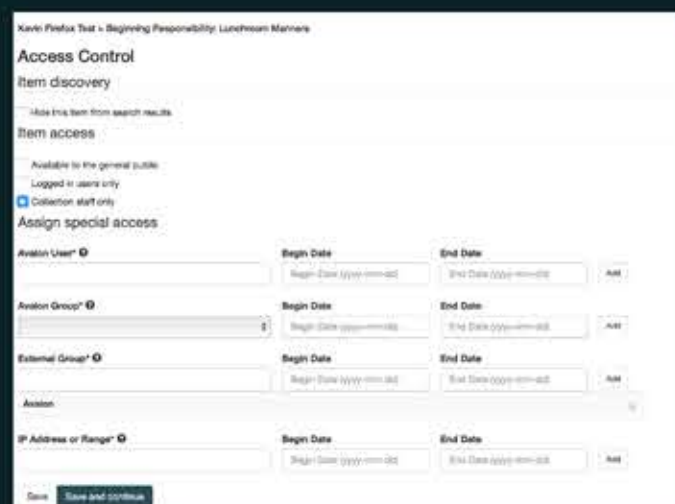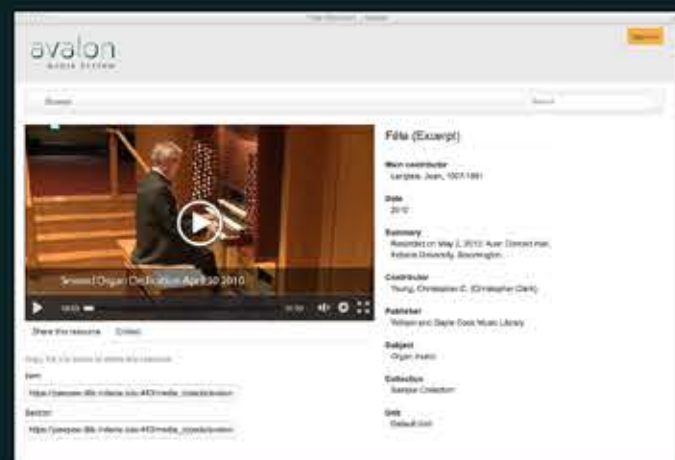# WHAT is AVALON?

A robust, fully open source solution for curating and providing online access to digital audio and video collections.

Avalon provides the open source community with unique features such as collection management tools, easy installation & configuration, integration with various streaming servers.

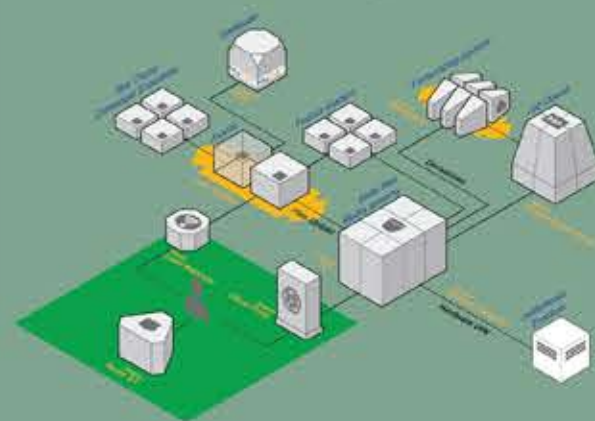Avalon is developed for use by libraries and archives, with functionality to fit their unique needs.

Based on the Hydra framework, Fedora repository, Blacklight search, and Solr indexing, Avalon fits well within existing and emerging open repository solutions for long-term digital object management.

AVALON 4 - RELEASED OCTOBER 2015
New Metadata and Structural Metadata fields
Streaming Server Support for Wowza
Accessibility Features for Keyboard Navigation
Active Encoding
oEmbed Support
Time Offset URLS

AVALON 5 - RELEASED JUNE 2016
Organizing and Sharing Playlists
Content Ingest API
Access Control Enhancements
More granular searching
Captioning support

AVALON 6
Preview release Oct 2016
Refactoring code for Fedora 4 and Hydra 10

AVALON 7
RELEASE SPRING 2016
Refactoring code for better integration for other Hydra Heads. Cloud hosted pilot.

BASIC FEATURES

Ingest, transcode, describe and securely play media files on mobile devices and desktops.

Integrate with existing authentication services, directory services, streaming servers and learning management systems.

Organize content & permissions by collection.

Describe items with robust metadata in support of faceted discovery.

Grant access based on institutional relationships or groups/classes or public status.

Embed media player in other websites.

FEATURES/ FUNCTIONALITY

What is HYDRA?

Hydra is an open source community of over 30 institutions working towards a reusable framework for multipurpose, multifunction, multi-institutional repository-enabled solutions.

Hydra provides user interfaces and workflows over the repository database structure, Fedora.

What is FEDORA?

Fedora is a robust, modular, open source repository system for the management and dissemination of digital content.

It is especially suited for both access and preservation. It is also used to provide specialized access to very large and complex digital collections of historic and cultural materials.

project-hydra.slack.com/messages/avalon

github.com/avalonmediasystem

waffle.io/avalonmediasystem/avalon

avalonmediasystem.org

DEVELOPMENT PROCESS

The Avalon team uses the Agile Scrum development process for the design, development, integration, test, and delivery of the system. Using the Agile development process allows for a highly flexible and interactive method of receiving timely feedback about Avalon requirements and design. It works well across two institutions through virtual meetings and our private Slack channels.

Daily Stand-Ups
every day - 15 min
Report what team members did the previous day, pull tasks (what they will be working on) for the day, discuss progress and briefly mention any impediments encountered the course of the sprint.

Sprint Planning
every 2 weeks - 1-3 hrs
3 major parts: demo, retrospective and sprint planning. Demos will be recorded and available to the public.

GitHub
Our process is transparent, and you can follow our progress on our waffle board or our GitHub.

STRATEGIES for SUSTAINABILITY

COMMUNITY GROWTH
New methods of code transparency
Paying off technical debt
Community sprints

SOFTWARE AS A SERVICE
Cloud model deployment
Exploring partnerships for hosting & support
Community survey to measure needs and interest
http://bit.ly/2dLTVrh

MODULAR ARCHITECTURE
Creation of separate core code components
Easier installation methods and guides
Enable integration within other Hydra Heads

AVALON CREDITS
Funding

INSTITUTE of Museum and Library SERVICES

THE ANDREW W. MELLON FOUNDATION

Design, direction, development

INDIANA UNIVERSITY

Northwestern University

Poster for EDUCAUSE

Jon Dunn
Assistant Dean for Library Technologies
IU Libraries

Debs Cane
Repository Community Manager
NU Libraries

Vibrant Community of HydraConnect 2016

We Now Offer Hosted Avalon

Coming in January of 2017, DCE introduces hosted Avalon services, for all your media repository needs.

Avalon is the leading audio and video collection management system, a must for colleges, universities, archives, museums and other cultural heritage and research institutions.

Now, let us host Avalon for you, and we'll handle the hard part.

http://curationexperts.com/avalon