

Capturing Descriptive and Technical Metadata

For the most part, entering data is done the same way as in other Hyrax-based applications. However, to improve flow, we added buttons to allow catalogers to move easily from one work type to the next logical work type, starting with the parent Asset Type, easily adding children without having to jump through multiple screens.

Add New Asset

Descriptions Files Relationships Sharing

To create a separate work for each of the files, go to Batch upload

Identifying Information

Subject Information

Rights

Credits

Contributor

Narrator Price, Vincent Affiliation Portrayal

+ Add another Contributor

AAPB Admin Data

Save Work

Requirements

Describe your work

Visibility

Public

Make available to all.

Restriction

Restrict access to institution.

Set date for future release.

Set date for future reduced access.

Keep to myself with option to share.

Save & Create Digital Instantiation

Save & Create Physical Instantiation

By saving this work I agree to the Deposit Agreement

Cancel Save

For the Contribution work type, which can have a maximum for 4 fields and is often repeated many times per Asset, we thought jumping to another screen for each Contribution would be too much for cataloger. Instead, we embedded the Contribution form into the Asset form, to make it easier to add as many Contributions as are required.

Date

Exact Range

Update

Limit your search

Asset Type

Topic

Genre

Producing Organization

Media Type

Physical Format

Holding Organization

Language

Level of user access

Transcript Status

Minimally Cataloged

Outside URL

Digitized Copy in AAPB

Woman; Women's Health Care; Hello

Admin Set: Default Admin Set

Created Date: 1975-10-01

GUID: cpb-aacip, 600-25192968x

Description: This episode features a conversation with Virginia Drachman. She is a Smithsonian Fellow, a...

Voter's Pipeline; ERA: Is It Necessary

Admin Set: Default Admin Set

Created Date: 1982-06-17

GUID: cpb-aacip, 600-kp7m7246m

Description: This episode of Voter's Pipeline is a discussion about whether the Equal Rights Amendment should...

Arkansas School for the Deaf

Admin Set: Default Admin Set

Broadcast Date: 1994-06-01

GUID: cpb-aacip, 600-7p8bt0x22

Description: This documentary describes the courses and programs at the Arkansas School for the Deaf. In...

Raw Footage of Henry Kissinger on Foreign Affairs in Oregon

Admin Set: Default Admin Set

Created Date: 1966-01-18

GUID: cpb-aacip, 600-cv4br9x80d

Description: This raw footage is a recording of Secretary of State Henry Kissinger at a press conference. He...

In order to be able to search and facet on data in fields at both the Asset and child work levels, Solr indexes the children onto the parent record. This way, we can retrieve all of the results of Asset, which have a child instantiation in English or recorded on 3/4inch U-matic.

When a user decides which Asset they are interested in, they are taken to a details page for that Asset. To put all of the related works (Assets, Contributions, and Instantiations) in context, we show all of them in separate sections, with links to the fuller Instantiation records, if that's the metadata the user is the most interested in.

AMS 2.0 Team

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With funding from



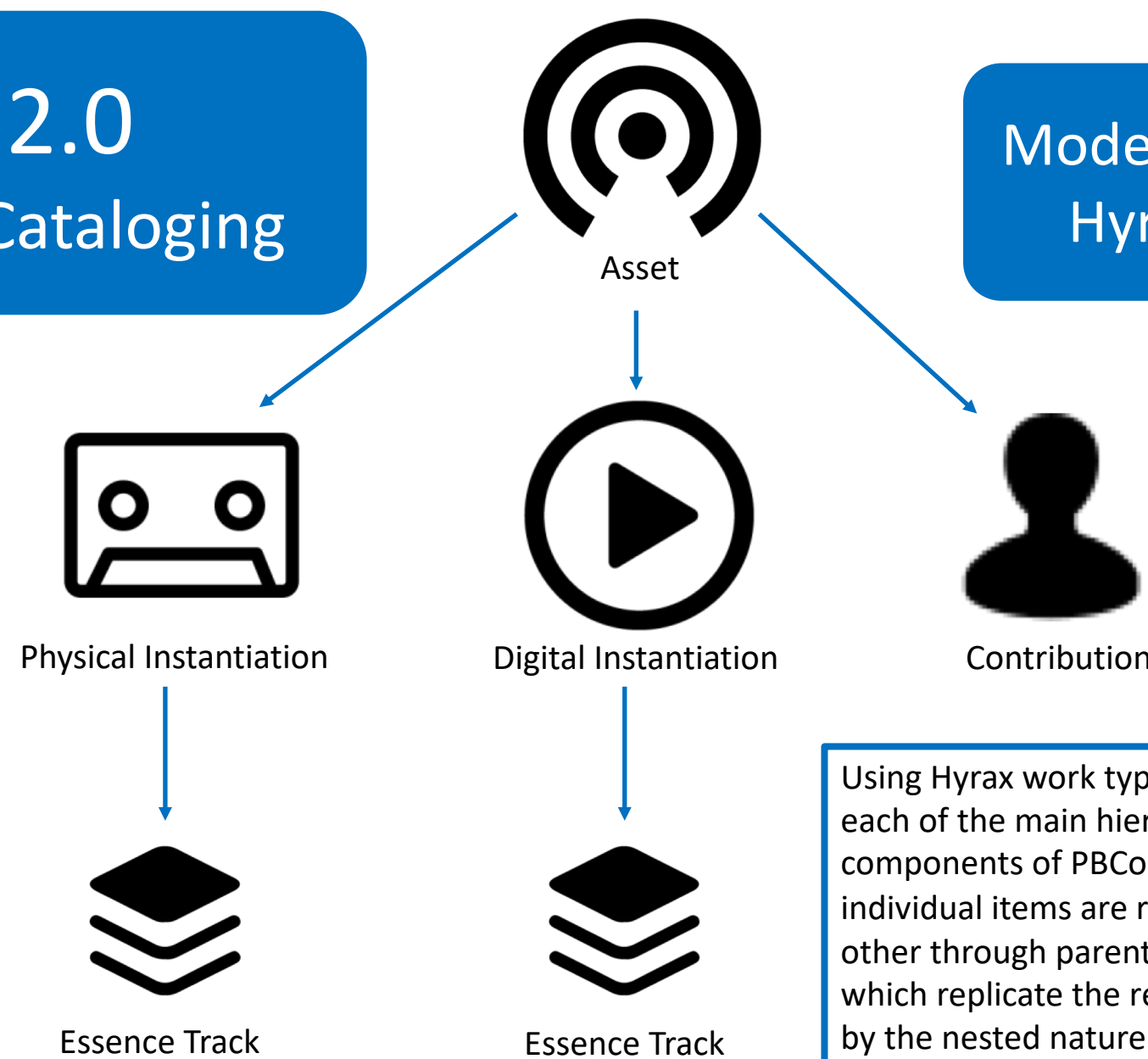
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Preservation and Access Systems using



The majority of the predicates we use come from EBUCore, Dublin Core Elements, and Dublin Core Terms to represent PBCore-compliant metadata in RDF. We also used a few predicates from other ontologies, as well as a few local predicates. The entire data model for AMS 2.0 Release Candidate 1 can be found at tinyurl.com/ams2-datamodel

AMS 2.0 Access and Cataloging



Modeling PBCore in Hyrax and RDF

Phydo was a joint development project between Indiana University and WGBH, which has been made possible in part by a major grant from the National Endowment for the Humanities: Exploring the human endeavor.

Using Hyrax work types, we modeled each of the main hierarchical components of PBCore records. These individual items are related to each other through parent/child relationships, which replicate the relationships implied by the nested nature of PBCore xml.

Navigating Your Records

Relationships

In Administrative Set: Default Admin Set

Asset Details

Producing organization: Arkansas Educational Television Network

Program title: Arkansas School for the Deaf

Program description: This documentary describes the courses and programs at the Arkansas School for the Deaf. In addition to standard curricula, students can take vocationally focuses courses. The school also uses computers in the classroom and for particular applications like speech classes. Other topics include field trips, dormitory living, and extra curricular activities. The documentary is composed of interviews with school administrators and teachers, along with footage and photographs of students in classrooms, around campus, and at special events.

Asset types: Program

Genre: Documentary

Broadcast date: 1994-06-01

Rights summary: Copyright 1994 AETN. All Rights Reserved.

Topics: Technology

GUID: cpb-aacip, 600-7p8bt0x22

Credits

Role	name	Affiliation	portrayal
Producers	Sandage, Charlie		
	AAPB Admin		

Instantiations

Thumbnail	Details	Date Added	Holding Institute
	Format: application/mxf Generation: Preservation Master Duration: 00:29:53	2018-09-05	Arkansas Educational TV Network (AETN)
	Format: 3/4 inch videotape Generation: Master	2018-09-05	Arkansas Educational TV Network (AETN)



Technical Metadata

Common Property	RDF Namespace/Property	SOURCED FROM	WGBH FITS	OR	WGBH EXIF	OR	WGBH PBCore	AND	IU FFProbe	OR	IU local info
File Name	ebucore:filename		/fileinfo/ /filename		/rdf: /rdf:Description /System:FileName		/jpcore:DescriptionDocument /jpcore:instantiation /instantiation		/probe:format /@filename		
File Size	ebucore:fileSize		/fileinfo: /fileinfo:size		/rdf: /rdf:Description /System:FileSize		/jpcore: /jpcore: /instantiation				
Duration	ebucore:duration (hydra-works using rfc:duration but I'm not sure why if ebucore can cover this property)		/file: /file:metadata /duration OR /file: /file:metadata /video:duration		/rdf: /rdf:Description /Composite:Duration		/jpcore:DescriptionDocument /jpcore:instantiation /instantiation:duration		/probe:format /@duration		
Bit Rate	ebucore:bitRate		/file: /file:metadata /video:track /bitRate				/jpcore:DescriptionDocument /jpcore:instantiation /instantiation:durationRate		/probe:format /@bit_rate		
			/file: /file:identification /identity:/format		/rdf: /rdf:Description /File:FileType		/jpcore:DescriptionDocument /jpcore:instantiation /instantiation:Digital		/probe:format /@format_name		

Phydo Digital Preservation Metadata for A/V

Phydo is configurable for various technical metadata inputs. WGBH's configuration accepts PBCore instantiation xml and FITS xml, mapped to EBUCore, PREMIS and NFO RDF predicates.

Phydo allows users to capture the results of many PREMIS Events (like transcoding and fixity checks) and run reports to plan for upcoming preservation needs.

Phydo

Home About Help Contact

Enter search terms

10 per page

PREMIS Event

PREMIS Ingestion

Agent: andrew.myers@wgbh.org

PREMIS Fixity Check

Agent: andrew.myers@wgbh.org

PREMIS Agent

Agent: andrew.myers@wgbh.org

Tracking Preservation with PREMIS Events

Phydo also uses the Hyrax Preservation gem (<https://github.com/IULibTech/hyrax-preservation>) which allows tracking, searching and sorting by PREMIS Event Type, Agent, and Date in a Hyrax application.

WGBH was recently awarded another grant from the National Endowment for the Humanities. Part of this funding will go towards implementing a version of AMS 2.0 specifically for WGBH's collection, and to integrate the AMS and Phydo applications, so that we can cohesively manage the descriptive, technical, and preservation metadata, while supporting both access and preservation workflows.

WGBH Integrated System (to be built)

By keeping the applications separate but integrated, we will be able to tailor each application to the specific requirements of its users. Requiring one application to handle every part of the digital preservation and access lifecycle would create unnecessary challenges in development, data modeling, UX design, and migration.

