

PB Core Database Schema

—

and how it can help teachers and stations

Databases as a General Tool

Doesn't matter how cool it is.

If you can't find it again, it doesn't exist.

- Where we store things, so we know where to look
- How we all agree to label things, so we know where to look
- Helps us day to day
- Helps us serve teachers and students, by being able to provide answers

“Google can bring you back 100,000 answers. A librarian can bring you back the right one.”

— Neil Gaiman

What catalogers do

—

Why the metadata? And what is it?

- Metadata = All the words we use to describe what this thing is
- Verify that the metadata entered makes sense
- Insure that the metadata entered is the best we can make
- Teach stations how to make their metadata better
- All so teachers can find things on the site

“All the books in the world won't help you if they're just piled up in a heap.”
— David Eddings, [King of the Murgos](#)

Teachers regularly ask for ‘more time’

Good metadata helps them find things faster

It is literally the best way to give them more time

Careful cataloging gives you your time back

“Glam culture is ultimately rooted in obsession, and those of us who are truly devoted and loyal to the lifestyle of glamour are masters of its history. Or, to put it more elegantly, we are librarians.”

— Lady Gaga

About this PB Core
thing

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What is PB Core

- Standardized set of metadata terms and format
- Really easy for computers to read
- Designed specifically for AV materials
- Already adopted by some stations for production and archives
- More stations are considering using it
- Overall PBS is looking to adopt it as the standard for the production side

“Not all librarians are evil cultists. Some librarians are instead vengeful undead who want to suck your soul.”
— Brandon Sanderson (Alcatraz Smedry), [Alcatraz Versus the Scrivener's Bones](#)

What are the benefits

- Using the same data format as production makes it easier to bring pieces in
- Limits user error typos
- Easier to explain upload process to stations
- Consistent data makes it easier for teachers to find what they want
 - And to find it again the next time

“In the nonstop tsunami of global information, librarians provide us with floaties and teach us to swim.”

— Linton Weeks

What does it look like?

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PLAIN TEXT FORMAT	XML FORMAT
<p>DESCRIPTION DOCUMENT:</p> <p>ASSET DATE: 1977 Date type: Released</p> <p>IDENTIFIER: 1 Source: Lucasfilm</p> <p>TITLE: Star Wars - A New Hope Title type: Program</p> <p>TITLE: IV Title type: Episode Number</p> <p>DESCRIPTION: The first film in the original Star Wars trilogy</p>	<pre><?xml version="1.0" encoding="UTF-8" standalone="no"?> <pbcoreDescriptionDocument xmlns="http://www.pbcore.org/PBCore/PBCoreNamespace" <pbcoreAssetDate dateType="released">1977</pbcoreAssetDate> <pbcoreIdentifier source="Lucasfilm">00001</pbcoreIdentifier> <pbcoreTitle titleType="Program">Star Wars: A New Hope</pbcoreTitle> <pbcoreTitle titleType="Episode Number">IV</pbcoreTitle> <pbcoreDescription>The first film in the original Star Wars trilogy</pbcoreDe <pbcoreCreator> <creator source="">Lucas, George</creator> <creatorRole>Director</creatorRole> </pbcoreCreator> <pbcoreContributor> <contributor>Hamill, Mark</contributor> <contributorRole portrayal="Luke Skywalker">Actor</contributorRole> </pbcoreContributor> <pbcoreContributor> <contributor>Fisher, Carrie</contributor> <contributorRole portrayal="Princess Leia Organa">Actor</contributorRole> </pbcoreContributor> <pbcoreContributor></pre>

Data is accessible via an easy to read format *and* XML

“Never argue with a librarian;
they know too much.”
— Carole Nelson Douglas, Cat in
a Red Hot Rage

Level 1	Level 2	Level 3	Level 4	PB Core XML Field
Media				pbcoreInstantiation
	Name			instatiationIdentifier
	Guide			instatiationIdentifier
	Content Project			instatiationIdentifier
	Source File			instantiationDigital
	Transcode job ID			instatiationIdentifier
	Transcoding status			
	Language			instantiationLanguage
	Size			instantiationFileSize
	Geo restrictions			
	Is 360			
	Metadata			instatiationDimensions
		Width		instatiationDimensions
		Height		instatiationDimensions
		Duration		instantiationDuration
		Aspect ratio		instatiationDimensions
		Embed code		
		Is external		
	Caption			
		Choose File		
	Transcript			

Most LM data fields have direct links to PB Core data fields

“I'm a librarian...I always know what I'm talking about.”
 – Gary D. Schmidt, [Okay for Now](#)

LM Contribution Form Proof of Concept

All the questions to get a PBCore compatible CVS

The name and photo associated with your Google account will be recorded when you upload files and submit this form. Not athinalivanos@gmail.com? [Switch account](#)

* Required

What is the name of the series? *

Your answer

What is the name of this piece? *

Your answer

What is the episode number?

Your answer

What season is it from?

Your answer

This is a... *

- Audio Only File
- Video File
- Image File

LM Contribution Form Proof of Concept

The name and photo associated with your Google account will be recorded when you upload files and submit this form. Not athinalivanos@gmail.com? [Switch account](#)

* Required

Upload

Upload the file

[ADD FILE](#)

Upload the caption file

[ADD FILE](#)

Upload the transcript file

[ADD FILE](#)

What language is this? *

English

I have this piece in another language

- Yes
- No

Describe the piece

Upload thumbnail image (preferred size 1920 x 1080) *

[ADD FILE](#)

Describe this material in 2-3 sentences *

Your answer

Does this piece need a content flag? *

- Yes
- No

What type of flag does it need?

- Graphic Sexual Activity
- Drugs/Alcohol/Tobacco/Firearms
- Nudity
- Violence
- Adult Language
- Mature Content
- Abusive Language
- Copyright

XML based data means forms can work for the metadata ingest

“Do I have to talk to insane people?”
"You're a librarian now. I'm afraid it's mandatory.”
— Jasper Fforde, [The Woman Who Died a Lot](#)

PREVIEW XML Visual Layout

DESCRIPTION DOCUMENT:

ASSET DATE: 21/02/2019

Annotation: Publication Date

ASSET DATE: 21/02/2119

Annotation: Expiration Date

IDENTIFIER: snake-debate-eons

Source: Asset Code

TITLE: The Great Snake Debate

Title Type: Episode

TITLE: Eons

Title Type: Series

SUBJECT: Science

DESCRIPTION: 90 million years ago, an ancient snake known as Najash had...legs. It is by no means the only snake ...

Description Type: Asset Description

DESCRIPTION: pbs digital studios, eons, ancient snake, najash, legs, limbs, predator, najash rionegrina, fossil, ...

Description Type: Keywords

AUDIENCE LEVEL: Educator & Learner

AUDIENCE LEVEL: High School

Annotation: Grade

AUDIENCE RATING: No flags

CREATOR:

CREATOR: PBS Digital Studios

PUBLISHER:

PUBLISHER: PBS Digital Studios

RIGHTS SUMMARY:

PREVIEW XML Visual Layout

```

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4 .1/master/pbcore-2.1.xsd">
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27  </pbcorePublisher>
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30  </pbcoreRightsSummary>
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48  le>
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53  es.vtt</pbcoreIdentifier>
54    <pbcoreTitle>The Great Snake Debate - Captions</pbcoreTitle>
55    <pbcoreDescription>Caption file for "The Great Snake Debate" episode of season 1 of Eons.</pbcoreDescription>
56  </pbcorePart>
57  </pbcoreDescriptionDocument>

```

LearningMedia Asset converted to PB Core data format

“You can take the girl out of the library, but you can’t take the neurotic, compulsively curious librarian out of the girl.”

— Molly Harper, Nice Girls Don't Have Fangs

Questions?

Librarians can catalog anything from an onion to a dog's ear. They could catalog you.

Librarians wield unfathomable power. With a flip of the wrist they can hide your dissertation behind piles of old Field and Stream magazines. They can find data for your term paper that you never knew existed. They may even point you toward new and appropriate subject headings.

People become librarians because they know too much. Their knowledge extends beyond mere categories. They cannot be confined to disciplines. Librarians are all-knowing and all-seeing. They bring order to chaos. They bring wisdom and culture to the masses. They preserve every aspect of human knowledge. Librarians rule. And they will kick the crap out of anyone who says otherwise.

-Erica Olsen, [Why You Should Fall to Your Knees and Worship a Librarian](#)