How to Get from Here to BIBFRAME

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cstahmer

ALCTS Webinar
11/2/2016
Learning Objectives

- High Altitude Roadmap for Operational Transition
- Roadmap for Data Conversion
- Overview of Available Tools
- Vendor Engagement
Linked Data Ecosystem
Dual Axis of Transformation

@prefix bf: <http://bibframe.org/vocab/> .
@prefix bf2: <http://bibframe.org/vocab2/> .
@prefix bfabstract: <http://bibframe.org/model-abstract/> .
@prefix dcterms: <http://purl.org/dc/terms/> .
@prefix madsrdf: <http://www.loc.gov/mads/rdf/v1#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@prefix relators: <http://id.loc.gov/vocabulary/relators/> .
@prefix xml: <http://www.w3.org/XML/1998/namespace> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

<http://bibframe.org/resources/sample-lc-2/1184636annotation48>
  bf:annotates <http://bibframe.org/resources/sample-lc-2/1184>
  bf:changeDate "1998-11-18T14:23" ;
  bf:derivedFrom <http://bibframe.org/resources/sample-lc-2/11>
  bf:descriptionConventions <http://id.loc.gov/vocabulary/desc>
  bf:descriptionModifier <http://id.loc.gov/vocabulary/organiz>
  bf:descriptionSource <http://id.loc.gov/vocabulary/organizat>
  bf:generationProcess "DLC transform-tool:2015-10-28-T11:01:00"

<http://bibframe.org/resources/sample-lc-2/1184636helditem64> a
  bf:holdingFor <http://bibframe.org/resources/sample-lc-2/118>
  bf:label "HQ778.67.L7 054 1998" ;

<http://bibframe.org/resources/sample-lc-2/1216208annotation38>
  bf:annotates <http://bibframe.org/resources/sample-lc-2/1216>
  bf:changeDate "1999-07-14T14:29" ;
  bf:derivedFrom <http://bibframe.org/resources/sample-lc-2/12>
  bf:descriptionConventions <http://id.loc.gov/vocabulary/desc>
  bf:descriptionSource <http://id.loc.gov/vocabulary/organizat>
  bf:generationProcess "DLC transform-tool:2015-10-28-T11:01:00"

<http://bibframe.org/resources/sample-lc-2/1216208helditem53> a
  bf:holdingFor <http://bibframe.org/resources/sample-lc-2/121>
  bf:label "CT862 .M63 1998";
Dual Axis of Transition
HAVE YOUR CAKE AND EAT IT TOO

MARC

PHASE 1
The Program for Cooperative Cataloging (PCC) seeks to be a democratic and diverse organization whose mission and goals are determined by its membership. Members govern the programs through participation in program events, standing committees, and task groups. PCC is a cooperative cataloging venture wherein members contribute bibliographic records and related data under a common set of standards and conventions using the bibliographic utilities.

Linked Data Enabled Workbench

<table>
<thead>
<tr>
<th>File</th>
<th>Edit</th>
<th>Tools</th>
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<td><img src="null" alt="Browse call numbers" /> Alt+C</td>
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<td>$a TKNa</td>
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<td>$a A 13.88:NC-</td>
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<td>$a Gen. tech. rep. NC</td>
<td></td>
</tr>
<tr>
<td>222</td>
<td>$a General technical report NC</td>
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<tr>
<td>315</td>
<td>$a General technical report NC</td>
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LD Lookup and Disambiguation
Lookup and Disambiguation Sources
ILS Synchronization
PHASE 2

NATIVE Linked Data

Linked Data
On the web
Machine-readable data
Non-proprietary format
RDF standards
Linked RDF
Is your data 5 stars?
High Altitude Process Overview

Legacy URI Insertion → LD Enabled Workbench → Bidirectional API

MARC conversion → Native LD Workbench → Native LD API/ILS

UCDAVIS University Library
Legacy Marc Conversion
Library of Congress Transformation Tool

This site contains v1.0 of the BIBFRAME vocabulary.
For v2.0, please visit http://www.loc.gov/bibframe/docs/index.html

MARC to BIBFRAME Transformation Service

This service transforms a file of MARCXML records to BIBFRAME representation. Please note: files must be smaller than 2MB.
See also: Comparison Service

URL for MARCXML File
Enter URL of MARCXML file
Submit URL

http://bibframe.org/tools/transform/start
MarcEdit - MarcNext

http://marcedit.reeset.net/
eXtensible Catalog

http://www.extensiblecatalog.org/
package com.carlstahmer.estc.recordimport.daemon;

import java.io.FileNotFoundException;

/**
 * @author cstahmer
 *
 * <p>Class for exporting a records from the SQL DB to an RDF file.</p>
 */

public class ExportRDF {

    Conf configObj;
    SqlModel sqlObj;
    Logger logger;
    String rdfHeader;
    String rdfAbout;
    String rdfString;
    String rdfFooter;

    public ExportRDF(Conf config, SqlModel sqlModObj) {
        configObj = config;
        sqlObj = sqlModObj;
    }

http://lib.ucdavis.edu/bibflow
Vendor Services

Where Have All the Flowers Gone

The Songs of Pete Seeger

Featuring All New Recordings By

BUCK SPRINGSTEEN
JACKSON BROWNE
BONNIE RAITT
ANI DIFRANCO
INDIGO GIRLS
JUDY COLLINS
ROGER MCGUINN
BRUCE COCKBURN
BILLY BRAGG
HOLLY NEAR
RICHIE HAVENS
TOM PAXTON
NANCI GRIFFITH
TIM ROBBINS
DONOVAN

AND MANY OTHER OUTSTANDING ARTISTS
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Vendors

zepheira
Cataloging in the Cloud
# Library of Congress BIFRAME Editor

**RDA Manifestation / BIBFRAME Instance - Monograph**

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<thead>
<tr>
<th>Instance of</th>
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<td>Parallel Other Title Information (RDA 2.3.5)</td>
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<td>Statement of Responsibility Relating to Title Proper (RDA 2.4.2)</td>
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</tr>
</tbody>
</table>

Automated Copy Cataloging
Discovery Layer
ILS Integration
The Library of Congress Name Authority File (NAF) file provides authoritative data for names of persons, organizations, events, places, and titles. Its purpose is the identification of these entities and, through the use of such controlled vocabulary, to provide uniform access to bibliographic resources. Names descriptions also provide access to a controlled form of name through references from unused forms, e.g. a search under Snodgrass, Quintus Curtius, 1835-1910 will lead users to the authoritative name for Mark Twain, which is, \"Twain, Mark, 1835-1910.\" Names may also be used as subjects in bibliographic descriptions, so they may be combined with controlled values from subject heading schemes, such as LCSH.

Library of Congress Names includes over 8 million descriptions created over many decades and according to different cataloging policies. LC Names is officially called the NACO Authority File and is a cooperative effort in which participants follow a common set of standards and guidelines.
Found LD Authority
Lookup and Disambiguation Sources
Not-Found LD Authority
Linkless Open Data

Mint
Local URI

UC Davis
http://ucdavis.edu/ent/19374

Stanford
http://stanford.edu/43029

Library of Congress
http://id.loc.gov/authorities/names/nb98022202
Peer to Peer Collaboration
Reconciliation Service

Mint Local URI

owl:sameAs

3rd Party Service

Other Data Sources
Managed Linked Data Ecosystem

URI Creation Service

Authority Reconciliation Service
The Authority Web

URI

Context

Authority

Authority
Questions?