CONVERTING WORKFLOWS TO LINKED OPEN DATA ECOSYSTEM

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Copy Cataloging for Non-Rare Books Using OCLC Connexion Client

posted on October 25, 2014 by Carl G Stahmer | No comments

The following workflow represents the current work process in place at the UC Davis library when copy cataloging a non-rare...
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Original Non-Rare Book Cataloging Using OCLC Connexion Client

posted on October 25, 2014 by Carl G Stahmer | No comments

The following workflow represents the current work process in place at the UC Davis library when cataloging an original book...
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Personal and Corporate Name Authority Record Creation

posted on October 24, 2014 by Carl G Stahmer | No comments

The following workflow represents the current work process in place at the UC Davis library when creating an authority record...
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Actors

1. Librarians – Highest level of experience.
2. Cataloging Specialist – Medium level of experience.
3. Copy Cataloger – Lowest level of experience.
4. Supporting systems and tools (e.g. harvesting daemon).

Description

User Story: "As a library cataloger I need to create a set of metadata elements in OCLC for a published book that will describe it both for managing it in the Library's collection and making it discoverable (status and existence) by Library patrons in OCLC and replicate that bibliographic record in the local integrated library system."

Success Metric(s)

1. A new set of bibliographic metadata elements will be present in the OCLC Worldcat database.
2. The new set of bibliographic metadata elements will be present and discoverable by library users of the OCLC Melvyl System.
3. The new set of bibliographic metadata elements will be replicated locally in the ALEPH database (harvest).
4. Associated holding and item data elements will be present and useful for the local circulation system.
5. An authority record will be created for: (1) names created in OCLC Worldcat database (note: not all libraries will be able to create names in OCLC Worldcat-need to consider alternate process for these libraries); (2) new subject headings will be submitted as a proposal to LC."
Steps

1. Log in OCLC Connexion Client.

2. Search Worldcat database to ensure no bib record exists.

3. Open MARC template – Books Workform.

4. Fill out fixed fields.

5. Fill out variable fields.

6. Perform “control headings” to link name(s), subject heading(s), uniform title(s), and/or series entry (entries) directly to exactly matching Library of Congress authority record(s), if available. If not, create authority records as needed.

7. Release record into WorldCat database.

8. Attach UCD’s OCLC holdings symbols to the bib record created – for ILL and discovery in Melvyl.

9. Export the record from OCLC to Aleph.

0. Create holdings record and item record using Macros.
Linked Data Cataloguing

Systems Integration Module
- Select & Acquire Module
- Deliver Module

OLE Docstore
- Apache Jackrabbit
- Apache SOLR

Data Transformation Service
- eXtensible Catalogue (XC)
- Custom Services

Describe & Manage Module
- Scribe
- Custom Modules

Docstore Webservice API
- 1. VuFind
- 2. Blacklight

Kuali Rice & etc.

OPAC
- LOD Triplestore
Full Bib LOD Implementation

- **Select & Acquire Module**
  - RDBMS

- **Deliver Module**
  - OLE Docstore
    - Apache Jackrabbit

- **Describe & Manage Module**
  - Apache SOLR

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- **Data Transformation Service**
  - 1. eXtensible Catalogue (XC)
  - 2. Custom Services

- **Docstore Webservice API**

- **OPAC**
  - 1. VuFind
  - 2. Blacklight
  - 3. Vivo
  - 4. LibHub
Expanded LOD Implementation

Systems Integration Module

- Select & Acquire Module
  - RDBMS

- Deliver Module
  - OLE Docstore
    - Apache Jackrabbit
  - Apache SOLR

- Describe & Manage Module

Data Transformation Service

- LOD Triplestore

Select & Acquire Module

- OPAC
  - 1. VuFind
  - 2. Blacklight

Describe & Manage Module

- 1. Scribe
  - 2. Custom Modules

Docstore Web Service API

- 1. eXtensible Catalogue (XC)
  - 2. Custom Services
Native LOD Implementation

Systems Integration Module

- Select & Acquire Module
- Deliver Module
- Describe & Manage Module

OLE LOD Docstore
- RDBMS
- Apache Jackrabbit
- Apache SOLR

Expandable LOD Toolset

Docstore
Webservice
API
Thank You!