

Do Something Real with Linked Data: A Micro-projects Approach

Jacob Shelby and Kristen Wilson
North Carolina State University Libraries
ER&L - March 7, 2018

Workshop agenda

- Introduction - 30 minutes
- URIs in MARC records - 60 minutes
- Break - 15 minutes
- Entity reconciliation - 60 minutes
- Schema.org and JSON-LD - 60 minutes

Introduction

What is linked data?

A way of publishing data and the relationships between them so they can be queried and understood by computers.

<http://worldcat.org/entity/work/id/48446512>

So long, and thanks for all the fish. [4]

Further adventures of Arthur Dent, Ford Prefect, and the all new voidoid gang upon returning to Earth after eight years of crazed wanderings around the galaxy in this science fiction spoof which continues "The Hitchhiker's Guide to the Universe."

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▶ Close All

▼ type

<http://www.w3.org/1999/02/22-rdf-syntax-ns#type><http://schema.org/CreativeWork><http://schema.org/Book>

▼ about

<http://schema.org/about><http://id.loc.gov/authorities/subjects/sh85067530><http://id.loc.gov/authorities/subjects/sh85118629>

URI

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So long, and thanks for a

← → ↻ ⓘ experiment.worldcat.org/entity/work/data/48446512

HTTP URI

WorldCat® Linked Data Explorer

Turtle

N-Triple

JSON-LD

RDF/XML

HTML

Contact Us

Home

URI

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Standards

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Links to other URIs

Why linked data?

Big picture perspective:

- Enhance collections and data
- Create links between disparate data sets
 - On the web
 - Across disciplines
 - Within the library environment
- Express data in an intelligent way

The music lesson

Date: 1662-1664

i

Johannes Vermeer

oil paint

64.2cm x 73.5cm

Windsor (England), private collection Royal Collection - Windsor Castle, inv./cat.nr. 109

STIMULUS FOR



Why linked data?

Technical services perspective:

- Linked data is coming, and our old work is going away
- Our skills will be transferable
- It's time to get ready

So what can we do?

The micro-projects approach

The goal is to build a foundation of familiarity, comfort, and proficiency with linked data

- Focus on education and experimentation
- Break things into manageable chunks
- Begin to craft a long-term vision

The micro-projects approach

Identify the smallest useful thing you can do

Pull in different types of staff, even if just for the experience

Make connections outside of technical services

Use good project management practices

Don't worry too much about outcomes (right now)

Keep the user in mind (long term)

NCSU examples

Continuing education

Coordinate shared viewing of webinars

Encourage all to attend

Low-cost, low-stakes way to engage with emerging trends and tech

Webinars

Webinars of departmental interest will be made available for group viewings whenever possible, and all staff are invited to attend. The table below compiles webinar-related materials from webinars viewed over the last six months, sorted by viewing date. See your Google Calendar for further scheduling information.

Current funding restrictions prevent us from participating some in paid webinars, but please send any suggestions for free or paid webinars to [Jacob Shelby](#).

| Viewing Date | Title | Materials |
|--------------|---|---|
| 02/01/2017 | How to Implement Things When People Hate Change | Archive / Slides |
| 02/22/2017 | Library of Congress BIBFRAME Developments | Archive / Slides |
| 02/22/2017 | Putting the Link in Linked Data | Archive / Slides |
| 02/28/2017 | Optimizing the discovery experience through dialogue - a community approach | Archive |
| 03/06/2017 | Embedded URI in MARC: An Essential for Linked Data | Archive / Slides |
| 03/06/2017 | How to Get from Here to BIBFRAME | Archive / Slides |
| 03/07/2017 | Connexion Client Module 06 - Editing Master Records | Archive (Registration required for viewing) / Handout 1 / Handout 2 |
| 03/15/2017 | Connexion Client Module 08 - Original Cataloging | Archive (Registration required for viewing) |
| 03/15/2017 | Policies for Adding Original Records to WorldCat | Archive (Registration required for viewing) / Handout |
| 03/16/2017 | Library Linked Data: From Proof of Concept to Action | Archive / Slides |
| 03/27/2017 | eBooks Now: an introduction to managing eBooks and considerations for accessibility | Archive |
| 03/29/2017 | Providing Access: Ensuring What Libraries Have Licensed Is What Users Can Reach | Archive (Password: prov-access) / Slides |
| 03/29/2017 | Modeling and Encoding Serials in BIBFRAME | Archive / Slides |
| 03/29/2017 | Linked Data Cataloging Workflows | Archive / Slides |
| 03/30/2017 | Mainstreaming Open Access Monographs | Archive |
| 04/10/2017 | Providing Access: Ensuring What Libraries Have Licensed Is What Users Can Reach | Archive (Password: prov-access) / Slides |

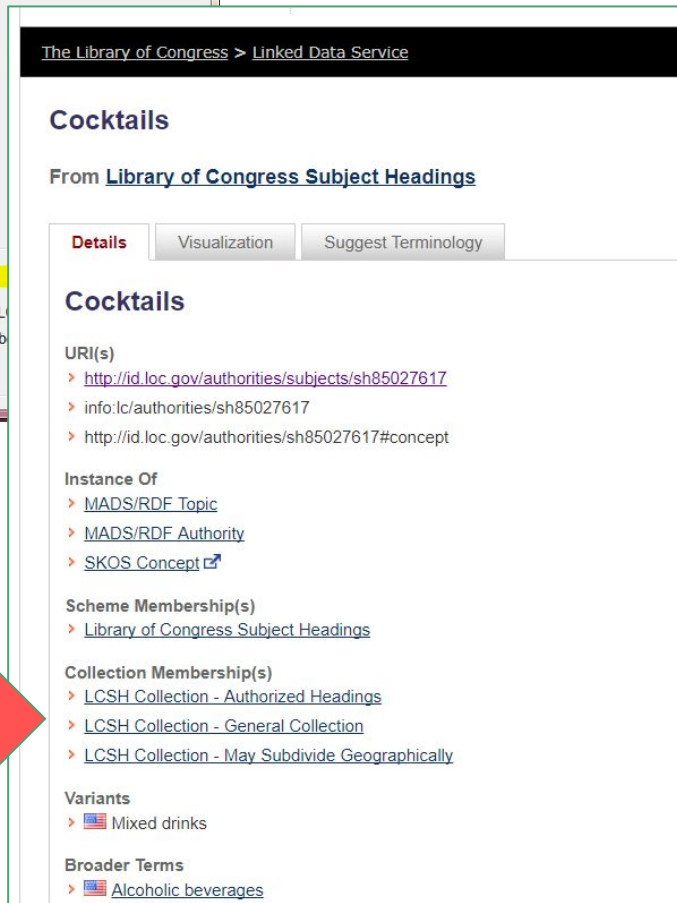
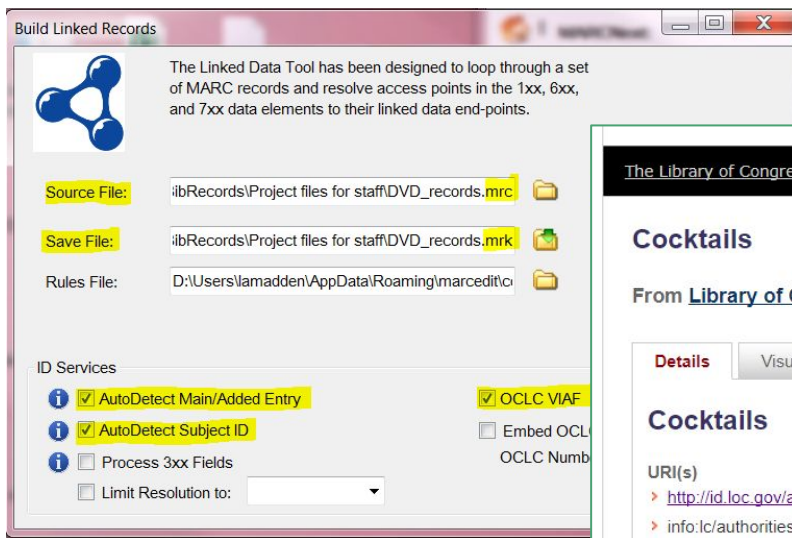
URIs in MARC Records

Micro-project to use MARCEdit to enhance bib records

Learned about technologies and workflows

Provided training for all department staff

Came up with a list of future projects



Linked data roadmap

Moving onto a bigger vision

Roadmap attempts to layout a plan for pilot projects and engagement activities over the course of 2-3 years

Pilot projects still embrace the micro-project approach

