

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

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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

Introductions

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

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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

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

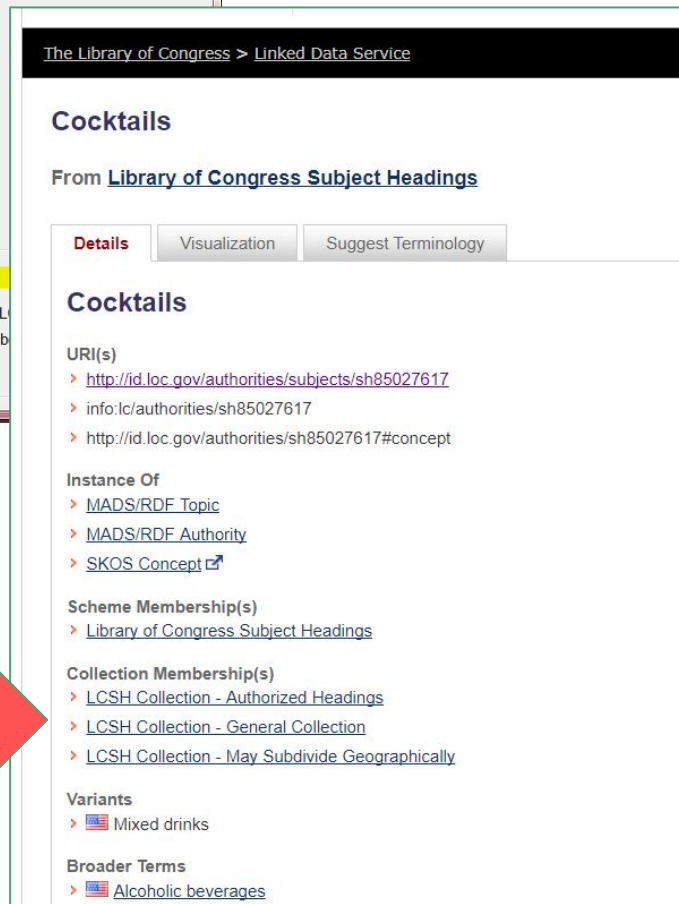
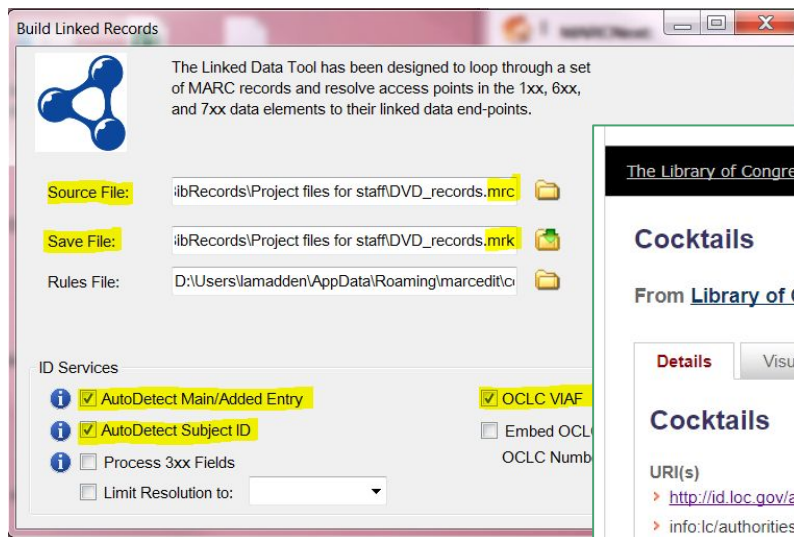
Micro-projects

Basic approach

- Learn about technologies and workflows
- Provide training for all department staff
- Come up with a list of future projects

Examples

- Adding URIs to MARC records
- JSON-LD training
- Entity reconciliation
- Triplestore



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

