Ex Libris LD Collaboration Program

IFLA LOD, August 2016

Shlomo Sanders, CTO
Agenda

1. Background
2. Alma
3. Discovery (Primo)
4. Challenges
Our Objectives, Method

• Bring LOD (Linked Open Data) to the mass of Institutions
  • Looking forward towards an Alma family of:
    • >1000 Institutions
    • >50,000 librarians
    • As of April 2016 there were already over 400 institutions live on Alma
    • Thus via Alma we have the opportunity to bring LOD to many institutions

• How
  • Learn and work together with the proven leaders
  • Incrementally rollout functionality that makes LOD accessible even to libraries that are not experts – Keep it simple
Our Objectives, Method

• Stages of bringing LOD to the mass of Institutions

  • Short term
    • Focus on features that enhance MARC and existing workflows
    • Shows immediate value

  • Mid term
    • Infrastructure for gradual move to “new” cataloging model, BIBFRAME
    • Add more usable features

  • Long term
    • Support LOD (BIBFRAME) as the model of choice
Keep it real simple!

- Alma “Linked Data Enrichment” is a checkbox!
Ex Libris LOD Collaboration Program

- Started in 2016
  - Expect to be multi-year effort (short, mid and long term)

- 41 Institutions signed up
  - NA  24
  - EU  12
  - APAC  5

- Focus: adding LOD functionality to Alma and Discovery

- Parallel tracks
  - Alma Technical Services and Publishing (URI support)
  - Discovery
Track High-Level Plan

February
March
April
May
June
July
August
September

Technical Services

Kick Off
ELUNA - Meeting
Present High Level Concept
Track feedback
Development
Early Solution View

Publishing

Kick off
Basic RDA/RDF publishing Discussion
Finalize first phase publishing output
Development
Early View RDA/RDF publishing

Discovery

URI’s in PNX discussion
Use in UI - Start Discussion
Development
Early view LD scenario in UI
Early view - URI’s in PNX
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URIs are published to discovery

This is from an actual published recorded
URIs via APIs

• Linked Data via JSON

https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-EU_PROD/bibs/992581030000121.jsonld
Linked Data in Alma

Content Options
- Electronic
- Physical
- Digital
- Collection
- Course information enrichment
- Related records information enrichment
- Linked Data enrichment
- Headings enrichment
- Heading enrichment — enrich with “See Also” fields

Linked Data enrichment

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Book (Book - Physical) text; unmediated; volume
By Sandberg, Sheryl (London WH Allen 2014)
ISBN: 9780385349949 (hardcover) and others
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Linked Data in Discovery

Retrieve information from VIAF to display information about selected co-authors and other author works.
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The BIBFRAME Challenge

• Will BIBFRAME be ready for prime time in 2018?

• Start introducing BIBFRAME into live production system even if not?
Meta Data Sharing

• New paradigm for sharing metadata between libraries – triplet level?
  • Because Linked Data is more than just “a new format” there will surely need to be changes in how bibliographic records and information is handled.
  • In the model today there is a bibliographic record which includes linked data.
Technology

• Will SPARQL be able to scale to a repository that is web-scale?

  • There is a lot of discussion about querying linked data using SPARQL
  • This will need to be addressed on a technical level when querying large centralized repositories such as Alma has
THANK YOU
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