Linked Data Update

Special Interest Working Group

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Agenda

1. Linked Data Support in Alma
2. Linked Data Support in Primo
SIWG and Collaborative Program

• In order to streamline communication between Ex Libris and the user community, we will gradually be phasing out the Collaboration Program in favor of the SIWG

• The SIWG will continue to work to advance Linked Data concerns, communicating with the community, sharing Linked Data news and activity, and providing feedback on the Ex Libris road map
BIBFRAME Collaboration

• As part of the work leading up to the release of the initial BIBFRAME support in Alma, Ex Libris has been collaborating with Harvard University and the Library of Congress.

• The LC MARC21 to BIBFRAME 2 converter has been integrated into Alma, and Harvard has provided initial feedback on the implementation of these features.
Linked Data Support in Alma
• Linked Data in Alma - Recap
• Update on BIBFRAME
• Roadmap
• LODLAM
Linked Data in Alma

- https://developers.exlibrisgroup.com/alma/integrations/linked_data

Ex Libris Developer Network / Alma / Integrations / Linked Data

Linked Data

Note: This functionality is subject to changes.

The term **Linked Data** refers to a set of **best practices** for publishing and connecting structured data on the Web. These best practices have been adopted by ExLibris, which implements several related projects. See more details in our blog.

Currently, Alma exposes linked data in the following places:
One of the linked data related projects is a set of RESTful APIs that expose linked data in JSON-LD format. Currently, the following LD APIs are supported:
- API to expose bibliographic information in JSON-LD format
- RDA/RDF APIs

Related articles:
- LD in Primo
- LD in Alma - presentation

Important Note: The Linked Data integration is intended for integrating Alma with systems which support linked data formats. Using it for other workflows, including bulk harvesting or exporting, is not supported.
### Linked Data in Alma

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Linked Data in Alma
Update on BIBFRAME

• Support for representing MARC bibliographic records in BIBFRAME 2.0 format
  • Publish MARC bibliographic records in BIBFRAME format
  • View a MARC record as a BIBFRAME record
  • Expose MARC bibliographic records as BIBFRAME via API

COMING SOON
Update on BIBFRAME

- Publishing target option in the publishing profile
- Linked data enrichment
- Uses Library of Congress [MARC-2-BIBFRAME2 Converter](#)
- Same methodology will be used for BIBFRAME display and APIs
Update on BIBFRAME
Update on BIBFRAME
Short Term Roadmap

• Support publishing to linked data consumer applications in RDA/RDF format
• Incremental enhancements to the existing APIs (e.g. JSON-LD changes)
Mid Term Roadmap

- Libraries will be able to use MD editor to catalog LD URIs
  - In MD editor, type field content and click alt+F3 to display a list of vocabulary resources that are supported for this field.
  - Choose a vocabulary resource – e.g. Geonames
Long Term Roadmap

• Support for native cataloging in BIBFRAME starting with a proof of concept version.

• It will be possible to import records into the Alma catalog using BIBFRAME
LODLAM


- Select Topics
  - Interlinking
  - SPARQL
  - Reconciliation
Linked Data Support in Primo
Linked Data in Discovery

Seamlessly enrich the user interface with linked open data from external sources related to the records discovered.

Expose library records in common schemas to be consumed by external LD sources and indexed by Internet search engines.
End User Function Enablement

• Discuss use-cases for patron functionality
• Load URIs to PNX from Alma
• Expose basic use-case of Linked Data functionality in New Primo UI
• Allow the community to explore and expose additional functionality using the Open Discovery Framework
• Expose library records in structured data markup on web pages (ie schema.org) so they can be made searchable by Internet search engines
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