



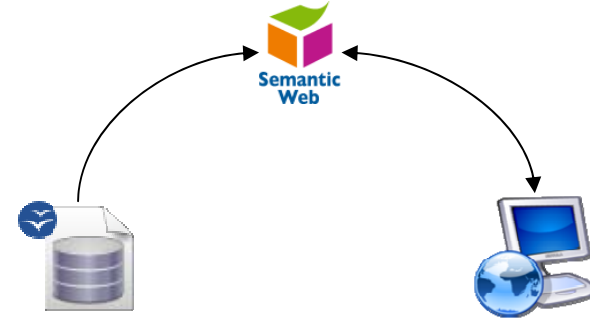
Linked data and Ex Libris products

Summary

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Library system vendors

- Accommodate both sides:
 - Publishing LOD
 - Using LOD



- Example: ADLIB 
 - Amsterdam Museum Collection Database

- <http://collectie.ahm.nl/>

- <http://ckan.net/package/amsterdam-museum-as-edm-lod>

- RKD Artists (*Dutch State Agency for Cultural Heritage*)

- <http://website.rkd.nl/Databases/RKDartists>



Recommendations

Infrastructure

- Open license for all library data in shared environments ('community zones', etc.)
- Encourage metadata providers to apply an open license to their metadata
- Build new shared cloud based metadata systems on linked open data architecture instead of creating new silos
- Apply a well-defined data model, such as FRBR, to internal metadata structure, providing the 'Work' as a unique identifier for linking
- Allow use of URIs as identifiers for Work, Author, Subjects, linking to external authority files (example: VIAF, LoC)
- Cataloguing=linking
- Use persistent, non-system-dependent, HTTP URIs for holdings and items

Recommendations

Publishing Linked Data

- Provide a streaming API to get library data in real time (for instance using XMPP)
- Provide access to administrative data (circulation, statistics, etc.) via streaming event-driven API
- Apply real open data/access
- Options to export all data in open formats
- Provide easy options for publishing library data as LOD in RDF or RDFa, using vocabularies
- Support use of content negotiation to provide multiple RDF serializations
- Provide SPARQL endpoint options

Recommendations Using Linked Data

- Provide new search type besides federated, local, harvested: linked data search (options for example: crawling/harvesting; dereferencing on the fly; query federation)
- Provide mechanisms for consuming external linked data sources for display, indexing and metadata management functions
- Options to define/identify/discover trustworthy LOD sources/SPARQL endpoints to use
- Options to identify LOD sources to use based on for instance 'subject' fields
- Automatic retrieval and processing of RDF vocabularies

Recommendations the short version

Infrastructure

Internal linking
External linking
Cataloguing } Using URIs

Publish

Bibliographic data
Holdings data
Administrative data } Open
Streaming
RDF(a)
ConNeg
SPARQL

Use

Finding
Processing
Presenting } LOD search
LOD sources
SPARQL Endpoints
RDF Vocabularies