









ALIA | February 2013

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# **Session Topics**

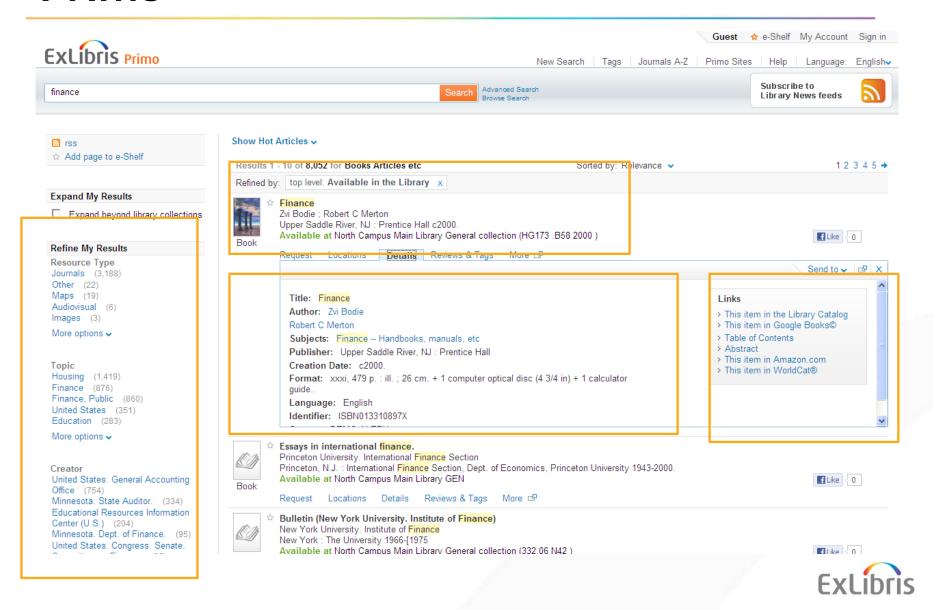
- Primo, Source data and PNX
- Normalization Rules
- Normalization Mapping Tables
- Templates
- Q&A



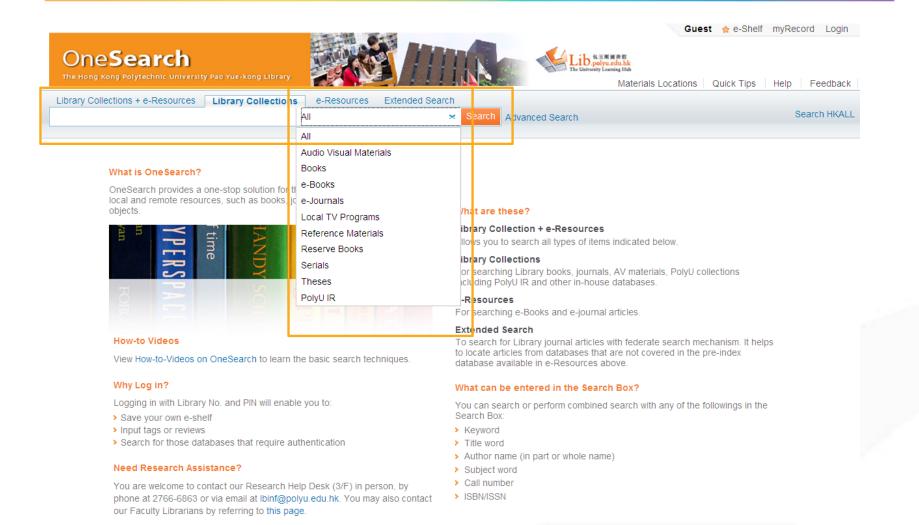
- Normalization Rules Rules to map the source record data into specific sections of a Primo record
- Only applies to local data sources. Does not work on remote data sources such as Primo Central, Metalib



#### Primo



#### Primo





#### Primo

- How does Primo determines what information to display for each record?
- How does Primo determines which facets a record belongs to?
- How does Primo determine which group of records should be search under a particular tab?



#### Primo Normalized XML - PNX

- Data from all sources is converted into a uniformed Primo format : PNX – Primo Normalized XML
- Every record is stored in Primo as individual PNX
- Primo Front End works with the PNX to retrieve and display/present the records when the user does a search



# Primo Normalized XML - PNX

- Control
- Display
- Links
- Search
- Facets
- Sort
- Dedup
- FRBR
- Delivery & Scoping
- Ranking
- Enrichment
- Additional Data
- Browse

```
<?xml version="1.0" encoding="UTF-8" ?>
- <record>
- <control>
 <sourceid>primo_aleph</sourceid>
 <recordid>primo_aleph004536586</recordid>
 <sourcesystem>Aleph</sourcesystem>
  </control>
- < display>
 <type>journal</type>

▼title>Wall Street journal (Eastern ed. : Online) < /title>

 <edition>Eastern ed..</edition>
 <publisher>New York, N.Y. : Dow Jones
 <creationdate>1959-</creationdate>
  <identifier>$$CISSN$$V0099-9660</identifier>
 <subject>New York (N.Y.) -- Newspapers; New York
County (N.Y.) -- Newspapers</subject>
 <language>eng</language>
 <source>primo_aleph</source>
 </display>
- <links>
 <backlink>$$Taleph_backlink$$DThis item in the
Library Catalog</backlink>
   <linktoholdings>$$Taleph_holdings</linktoholdings>
  </links>
- <search>
 resource].</title>
 <subject>New York (N.Y.) Newspapers.</subject>
 <general>Dow Jones,
 <issn>0099-9660</issn>
  <issn>0043-0080</issn>
```

## **Source Data**

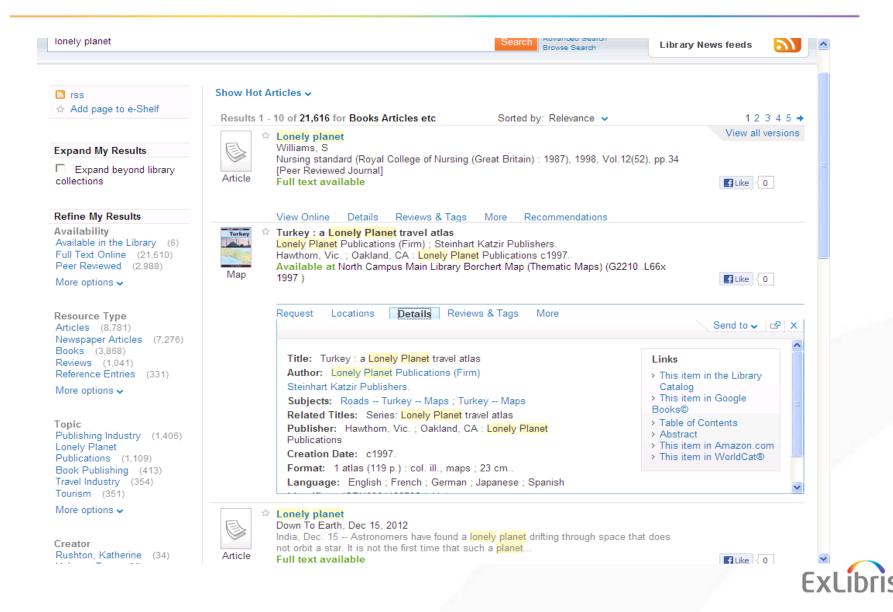
## MARC Exchange

 $$$ \ccord> LEADER 00693cam 2200205 45 < U+fffd>0 001 ocm00337427 008 890421s1964 enka 00110aeng H 010 {\{[a][64051742]}} 092 00{\{[a] [325.342B]}}{\{[b][C25]}} 100 10{\{[a][Caradon, Hugh Foot,]}}{\{[c][Baron,]}}{\{[d][1907-]}} 245 12{\{[a][A start in freedom /]}}{\{[c][by Hugh Foot,]}}{\{[b][C05]]}} 260 0 {\{[a][London :]}}{\{[d][Caradon, Hugh Foot,]]}{\{[d][Caradon, Hugh Foot,]]}}{\{[d][Caradon, Hugh Foot,]]}{\{[d][1907-]]}} 651 0 {\{[a][Caradon, Hugh Foot,]]}}{\{[d][1907-]]}}{\{[d][1907-]]}}{\{[d][0]]}{\{[d][0]]}$ 

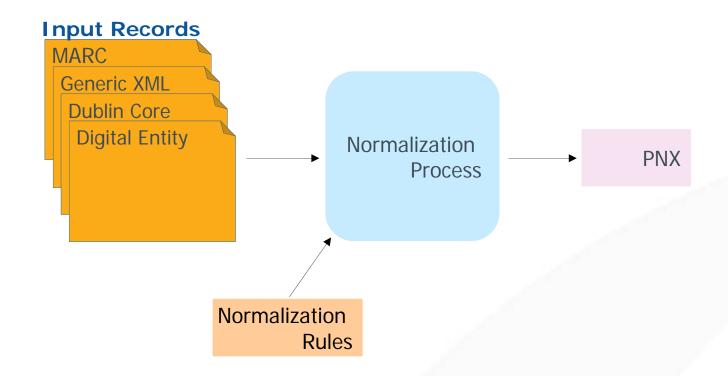
#### **Dublin Core**



## Source Data>PNX>Front End

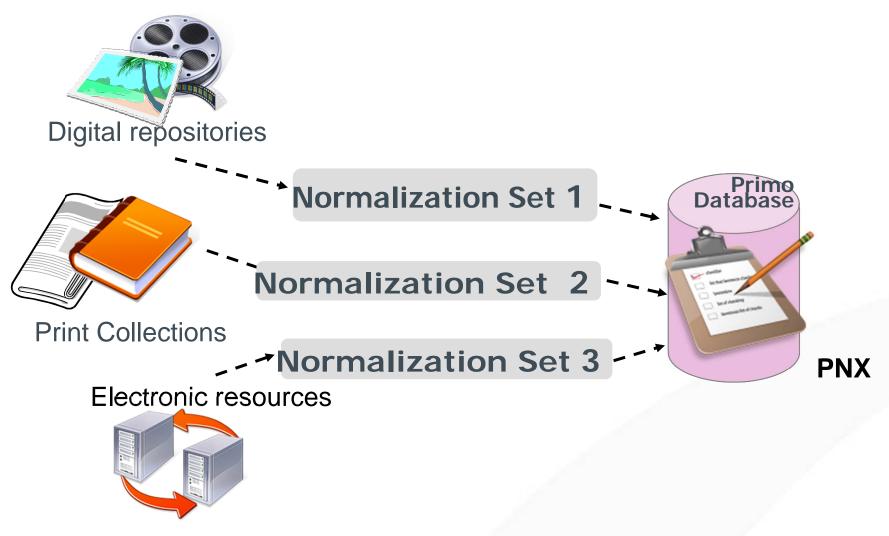


The Normalization Rules convert the data from the various information sources into the unified structure of PNX, enabling a quick and efficient search.





## **Normalization Sets**





# Normalization Rules— Converting to Single Format

## XML from Voyager

<datafield tag="245" ind1="1" ind2="0">

<subfield code="a">City limits : emerging constraints on urban growth;</subfield>

<subfield code="c">Kathleen Newland.</subfield>

</datafield>

**PNX** 

<display>

<title> City limits : emerging constraints on urban growth </title>

#### **XML** from Dspace

<control>

<dc:title>Library of Congress (John Adams Building). Drawing of Adams Building, Library of Congress annex I</dc:title>

<display>

<title>Library of Congress (John Adams Building). Drawing of Adams Building, **Library of Congress annex I**</title>



**PNX** 

## Normalization Rule - Elements

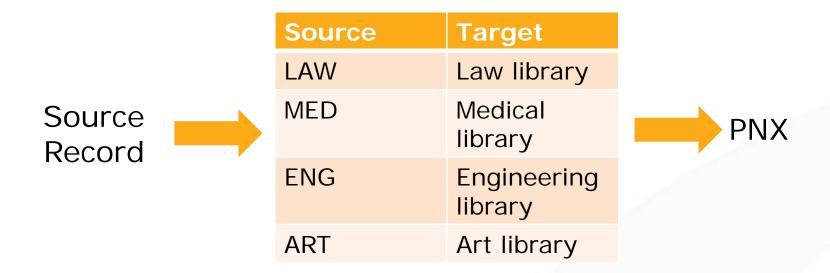
- Normalization rules have four main parts:
  - PNX field (or "target") where to create
     this is the section/field in the PNX record that will be created by
     the rule. A single PNX field can be created from one or more rules
  - Source what to create it from
    this is the source data that is being normalized in the rule. In most
    cases it will be field from the source record but not necessarily.
  - Conditions when to create it
  - Conversion how to create it

this is what needs to be done to the source data so it is converted to the target PNX field. The conversion can have several components including conditions and transformation routines.



# **Normalisation Mapping tables**

 Normalization Mapping tables can be used by specific rules to convert source data codes from the source to PNX data – instead of typing in the options manually





# **Templates Mapping table**

- Templates are used to build calculated link per record
- As opposed to a specific static link such as a URL from 856.
- In the PNX you will see these as a \$\$T



# **Templates Mapping table**

# Two types of link:

- Calculated
  - Uses mapping tables

**\$\$Tgoogle\_books\_isbn** 



\$\$Uhttp://purl.access.gpo.gov/GPO/LPS48960\$\$DLink to Resource



- Static
  - A standard URL, perhaps from an "856" Marc field



#### Conclusion

- The mechanism of converting the source records into PNX through the normalization rules enables Primo to be highly configurable.
- Front end display, facets, record details, scopes and links can all be setup accordingly to the library's requirements



A&P



# Thank You!

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