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Enriched Primo Browse from Aleph @ CUNY

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Basic Primo Browse

- *All* records harvested from *ANY* ILS can include existing authors, titles, subjects, and call numbers
- Primo default setup uses these fields to provide
 - Browse local library records in a dedicated interface
 - Author
 - Title
 - Subject
 - Call number
 - Virtual Shelf tab for search results with a call number

Basic Aleph Configuration

All found in ./[bib_library]/tab/

- tab_publish

```
!           1                2                3  4                5
!!!!!!!!!!!!!!!!!!!!!!!!!!!!-!!!!!!!!!!!!!!!!!!!!!!!!!!!!-!-!!!!-!!!!!!!!!!!!!!!!!!!!!!!!!!!!
PRIMOFULL                ALLALEPH                N FULLP MARCXML
```

- tab_fix

```
! 1                2                3
!!!!-!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!-!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!>
FULLP fix_doc_sort
```

- tab_expand

```
! 1                2                3
!!!!!!!!!!!!-!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!...-!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!...
FULLP                expand_doc_bib_avail                RESHELVING=Y;AVA=MI;THRESHOLD=2
```

Enriched Primo Browse

- Enriched Browse *requires* additional ILS data to add
 - Cross-references
 - Non-preferred authors and subjects with link to preferred
 - Subject authority source
 - Allows authority source-specific handling
 - Call number type
 - Separate call number browse for each type
- View real-time Aleph record enrichment on Aleph server via
 - UTIL-F-4 > doc_expand > *FULLP* > record #
(where FULLP = Primo publish routine name)

Cross-Reference (see...)

- Enrichment adds
 - non-preferred subject/author fields
 - if subject/author is preferred or not (\$PY/N)
 - preferred record ID
 - links preferred to non-preferred (\$0, zero)
- Currently no enrichment for authority 5xx fields (see also references)

Cross-Reference MARC XML

```
<datafield tag="100" ind1="1" ind2="">  
  <subfield code="a">Miller, Rodney,</subfield>  
  <subfield code="c">violinist</subfield>  
  <subfield code="0">ABC10001234567</subfield>  
  <subfield code="P">Y</subfield>  
</datafield>  
<datafield tag="100" ind1="1" ind2="">  
  <subfield code="a">Miller, Roddy,</subfield>  
  <subfield code="c">violinist</subfield>  
  <subfield code="0">ABC10001234567</subfield>  
  <subfield code="P">N</subfield>  
</datafield>
```

Aleph Cross-Reference Setup

- In tab_expand, add cross-reference information

FULLP expand_doc_bib_accref ADDITIONAL-INFO

- If multiple authority schemes included, use

FULLP expand_doc_bib_accref ADDITIONAL-INFO=M

– Aleph v 21.1.5+

- Note: do not confuse *expand_doc_bib_accref* with

expand_doc_bib_accref_1

– “_1” version is *not* used with Primo publishing

Author Cross: MARC > PNX

From MARC

1001 \$aShakespeare, William,\$d1564-1616.

\$0CUN10000890256\$PY

1001 \$aShakespeare, Guglielmo\$d1564-1616.

\$0CUN10000890256\$PN

To PNX

<browse>

<author>\$DShakespeare, William, 1564-1616

\$EShakespeare, William, 1564-1616

\$ICUN10000890256\$PY</author>

<author>\$DShakespeare, Guglielmo, 1564-1616

\$EShakespeare, Guglielmo, 1564-1616

\$ICUN10000890256\$PN</author>

</browse>

Subject Cross: MARC > PNX

From MARC

10010\$aArab-Israeli conflict.\$0CUN10000225681\$20\$PY

10010\$aIsrael-Arab conflict.\$0CUN10000225681\$20\$PN

To PNX

<browse>

<subject>\$DArab-Israeli conflict\$EArab-Israeli conflict
\$TLC\$H\$ICUN10000225681\$PY</subject>

<subject>\$DIsrael-Arab conflict\$EIsrael-Arab conflict
\$TLC\$H\$ICUN10000225681\$PN</subject>

</browse>

PNX Subfields Used by Browse

Subject and Title

\$D = heading formatted for display

\$E = unique, normalized heading version for match and sort

\$P = preferred = Y, default / non-preferred = N;
not used for title

\$I = preferred authority ID for link to non-preferred; not used for title

\$T = authority type; subject only

Subject Source Code

- To display subject authority source in Primo, source must be included subfield
- Standard MARC, LC and MESH places subject source in MARC 2nd indicator, complicating Primo normalization
 - All subjects with 2nd indicator = 7 automatically have source in \$2 (required parameter)
- This expand adds 2nd indicator subject source codes to \$2

Subject Source MARC XML

```
<datafield tag="650" ind1="" ind2="0">  
  <subfield code="a">Folk dance music</subfield>  
  <subfield code="z">New England.</subfield>  
  <subfield code="0">ABC009876543</subfield>  
  <subfield code="P">Y</subfield>  
  <subfield code="2">0</subfield>  
</datafield>
```

Aleph Subject Source Setup

- In tab_expand, add **expand_doc_bib_subtype**

- 3rd parameter lists included subject fields

FULLP expand_doc_bib_subtype 6###0,6###1,6###2

- 2nd indicator authority source codes

- 0 Library of Congress Subject Headings
- 1 LC subject headings for children's literature
- 2 Medical Subject Headings
- 3 National Agricultural Library subject authority file
- 4 Source not specified (not used)
- 5 Canadian Subject Heading
- 6 Repertoire des vedettes-matiere

Subject: MARC > PNX

From MARC

10010\$aArab-Israeli conflict.\$0CUN10000225681\$20\$PY

10017\$aArab-Israeli conflict.\$0CUN10000225682\$2FAST\$PY

To PNX

<browse>

<subject>\$DArab-Israeli conflict\$EArab-Israeli conflict
\$TLC\$H\$ICUN10000225681\$PY</subject>

<subject>\$DArab-Israeli conflict\$EArab-Israeli conflict
\$TFAST\$ICUN10000225681\$PY</subject>

</browse>

Call Number Type

- Call number type based on MARC Holdings 852 indicators
- AVA field always added to harvested records
 - transfers availability information from Aleph to Primo
- Allows separate browse groups based on call number type
- AVA field includes
 - call number in \$d
 - call number type in \$k

Call Number Type MARC XML

```
<datafield tag="AVA" ind1="" ind2="">  
  <subfield code="a">ABC50</subfield>  
  <subfield code="b">NAND</subfield>  
  <subfield code="c">Childrens Lit</subfield>  
  <subfield code="d">GT4905 .B7 1967</subfield>  
  <subfield code="e">available</subfield>  
  <subfield code="f">1</subfield>  
  <subfield code="g">0</subfield>  
  <subfield code="h">N</subfield>  
  <subfield code="i">0</subfield>  
  <subfield code="j">CLT</subfield>  
  <subfield code="k">0</subfield>  
</datafield>
```

Aleph Call Number Type Setup

- **expand_doc_bib_avail** standard in tab_expand
- **MARC Location/Call Number codes**
 - 0 Library of Congress (LC) classification
 - 1 Dewey Decimal classification
 - 2 National Library of Medicine (NLM) classification
 - 3 Superintendent of Documents (SUDOC) classification
 - Not currently supported
 - # (empty) No information provided
 - 4 Shelving control number
 - 5 Title
 - 6 Shelved separately
 - 7 Source specified in subfield \$2
 - 8 Other scheme

Call Number: MARC > PNX

From MARC

AVA \$aCUN50\$bSI001\$c3rd Floor\$dDS119.7 .H424
2005\$eavailable\$tAvailable\$f1\$g0\$hN\$i0\$jSTACK\$k0

To PNX

<browse>

<callnumber>\$ISI\$DDS119.7 .H424 2005\$E0ds
0011970000.h 42400 2005\$T0</callnumber>

</browse>

PNX Subfields Used by Browse

Call Number

\$D = call number formatted for display

\$E = unique, normalized call number version for match and sort

\$T = call number type

- each has separate browse list with specialized normalization procedure
- unsupported types or records without type are added to generic list

Information Sources

- Primo Technical Guide > Browse Functionality > Configuring the Normalization Rules > Additional Data Needed from the ILS
- Aleph v21 Service Pack documentation
 - rep_change 2112, expand_doc_bib_accref and expand_doc_bib_avail
 - rep_change 2526, expand_doc_bib_accref > ADDITIONAL-INFO=M
- Primo Release Notes documentation (v4.3 Item #18541)
- Primo Technical Guide > Browse Functionality
- Primo v4.x Highlights > Support Browse in Normalization Rules (V4.1-4.8) > Aleph MARC Template
- How to Configure Aleph-Primo Interoperability > Publishing Mechanism > Expand Routines

Thank You

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Digital Initiatives Manager

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