Implementing YBP Book Ordering Workflows in Aleph

Configuring Multiple Systems to Achieve a Common Purpose

Mike Rogers
University of Tennessee Libraries
Knoxville, Tennessee
UT Libraries and ExLibris

- Began Aleph conversion in February 2003
- Switch-to-production in September 2003
- Currently on Aleph v.15.5
UT Libraries and YBP

- YBP customer since early 1980s
- Acquire books via:
  - Book Ordering by Library Selectors
  - Automatic Book Approval plans
- Outsource:
  - Brief order bibs (YBP)
  - Full Marc bibs (OCLC Promptcat)
  - Physical processing (YBP)
2003/04 stats with YBP:

- **19,000 books purchased**
  - Book ordering – 6,800
  - Approval plans – 12,200

- **$825,000 spent**
  - Book ordering – $342,000
  - Approval plans – $483,000
Focus of today’s presentation:

- Book Ordering by Library selectors
  - Our desires and goals for setup
  - Overview of new workflow
- To-Do items
- Question/answer session
What could Aleph do for us?

Load brief and full MARC records to create:
- Bibs
- Holdings
- “Temp” Items
- Orders
- Budget Encumbrances

Overlay brief order bibs with full MARC bibs

Create new items/holdings with correct barcodes, sublibraries, etc
file-96 bib loader can create:

- Bibs
- Holdings
- “Temp” Items
- Orders
- Budget
- Encumbrances
manage-18 bib loader can:

- Update existing bibs with incoming bibs
manage-50 can:

- Create “full” holdings and items based on bib data
- Add to or replace existing holdings/items
Desired Book Ordering Workflow:

1. Titles are selected and ordered on YBP Bibliographic System
2. The next day, brief order bibs are generated by YBP and loaded into Aleph
3. Creates:
   - Brief bibs, holdings, "temp" items, orders, and budget encumbrances
4. When books arrive, full Promptcat bibs are loaded to replace brief order bibs
5. After arrival, permanent items are created from bib data to replace temp items
Desires/ Goals for YBP book ordering:

- All orders are placed on YBP system (Gobi2); no orders sent from Aleph
  - Collection Development librarians ‘select’ titles
  - Tech Services staff order selections
  - Brief order bibs for all books
- Receive OCLC Promptcat bib records for all YBP books (100% return ratio), containing item information in 949 field
  - Full bibs for most books
  - Brief data bibs for those not matching profile
- Tech Services Librarian manages Aleph record loads
- Staff/students arrive and invoice the titles in Aleph
How do the full bibs overlay the brief bibs?

Match point to overlay brief bibs with full bibs:

**Brief Order Bib**
contains:
035$$a <YBP order key>

**Full OCLC/Promptcat Bib**
contains:
035$$a <YBP order key>
To create the ‘extras’ Aleph requires incoming bibs to contain certain fields:

- 049$$a  -  location code
- 980$$a  -  invoice/order date
- 980$$b  -  list price
- 980$$f  -  invoice number
- 980$$g  -  number of copies
- 981$$b  -  Aleph budget code
- 949$$b  -  barcode
- 949$$k  -  collection
- 949$$l  -  sublibrary
- 949$$m  -  material type
- 949$$n  -  item status
We customized YBP’s system to fit our needs:

- Librarians have ‘select’ privileges
- TechServ staff have ‘order’ privileges
GOBI2: Selection screen

- Selectors can add order notes

**Quantity is mandatory for selection**

**Notes from Selectors**
GOBI2: Order screen

- Subaccount
- YBP Fund Code
- Quantity
- Initials
- Location
- Aleph Fund Code
GOBI 2: Order screen

- Drop-down list of UTK Subaccounts

UTK Subaccounts
GOBI 2: Order screen

- Drop-down list of Locations

UTK Location codes (appear in 049 of brief bib)
GOBI2: Order screen

- Correct Aleph budget is entered
Data fields for each title ordered are mapped from the YBP system to the brief order bibs...

<table>
<thead>
<tr>
<th>Gobi2 Field</th>
<th>Brief Bib</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subaccount</td>
<td>981$$g</td>
</tr>
<tr>
<td>Quantity</td>
<td>980$$g</td>
</tr>
<tr>
<td>Location</td>
<td>049$$a</td>
</tr>
<tr>
<td>Aleph Fund Code</td>
<td>981$$b</td>
</tr>
</tbody>
</table>
...which are supplied the next day as bib files on YBP’s FTP server:

![FTP file listing]

**Downloading files from YBP for June 5th**
Loading brief bibs to Aleph: file-96

Service to load brief order bibs
file-96: YBP record loader

Note: options to create "extras"
file-96: YBP record loader

Defaults file from xxx01/tab/import
Aleph table used by file-96:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATALOGER</td>
<td>MRGERS2</td>
</tr>
<tr>
<td>ORDER-SEQ</td>
<td>bnoo</td>
</tr>
<tr>
<td>230-SUE-LIBRARY</td>
<td>H</td>
</tr>
<tr>
<td>230-SUE-LIBRARY</td>
<td>AVGET</td>
</tr>
<tr>
<td>230-SUE-LIBRARY</td>
<td>MUS</td>
</tr>
<tr>
<td>230-SUE-LIBRARY</td>
<td>MAE</td>
</tr>
<tr>
<td>230-SUE-LIBRARY</td>
<td>HREF</td>
</tr>
<tr>
<td>230-COLLECTION</td>
<td>STACK</td>
</tr>
<tr>
<td>230-COLLECTION</td>
<td>STACK</td>
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</tr>
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<td>STACK</td>
</tr>
<tr>
<td>230-MATERIAL</td>
<td>BOOK</td>
</tr>
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<td>01</td>
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<tr>
<td>230-CATALOGER</td>
<td>MRGERS2</td>
</tr>
<tr>
<td>230-CALL-NO-TYPE</td>
<td>0</td>
</tr>
<tr>
<td>230-ITEM-PROCESS-STATUS</td>
<td>OR</td>
</tr>
<tr>
<td>268-SUE-LIBRARY</td>
<td>H</td>
</tr>
<tr>
<td>268-SUE-LIBRARY</td>
<td>AVGET</td>
</tr>
<tr>
<td>268-SUE-LIBRARY</td>
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</tr>
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</tr>
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<td>HREF</td>
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<tr>
<td>268-ARRIVAL-STATUS</td>
<td>P</td>
</tr>
<tr>
<td>268-VENDOR-CODE</td>
<td>YBP</td>
</tr>
<tr>
<td>268-RUSH</td>
<td>N</td>
</tr>
<tr>
<td>268-DELIVERY-TYPE</td>
<td>C</td>
</tr>
<tr>
<td>268-E-CURRENCY</td>
<td>USD</td>
</tr>
<tr>
<td>268-METHOD-OF-ACQUISITION</td>
<td>P</td>
</tr>
<tr>
<td>268-ORDER-DELIVERY-TYPE</td>
<td>LE</td>
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<td>268-MATERIAL-TYPE</td>
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<tr>
<td>268-SEND-METHOD</td>
<td>PRINT</td>
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<td>268-TARGET-DIRECT</td>
<td>X</td>
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<tr>
<td>268-ORDERING-UNIT</td>
<td>MAIN</td>
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<td>268-INVOICE-STATUS</td>
<td>P</td>
</tr>
<tr>
<td>268-ORDER-GROUP</td>
<td>MAIN</td>
</tr>
<tr>
<td>2601-VENDOR-CODE</td>
<td>YBP</td>
</tr>
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<td>2601-USER-NAME</td>
<td>MRGERS2</td>
</tr>
<tr>
<td>2601-CURRENCY</td>
<td>USD</td>
</tr>
<tr>
<td>2601-TYPE</td>
<td>ENC</td>
</tr>
<tr>
<td>2601-BUDGET-NUMBER</td>
<td>TBP-2004</td>
</tr>
<tr>
<td>1601-ORIGINAL-SUM</td>
<td>0010</td>
</tr>
</tbody>
</table>

Values not specified in ExLibris documentation

tab_ybpf_def
loader defaults table for file-96
located in: xxx01/tab/import
After submitting file-96, the brief bib (in ALL CAPS) is created in a matter of seconds...

035 field: match point for overlay of full Promptcat bib record
...along with a Holdings record:

<table>
<thead>
<tr>
<th>Leader</th>
<th>Fixed Data</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>008</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LKR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a</td>
<td>HOL</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>UTK01</td>
</tr>
<tr>
<td></td>
<td>b</td>
<td>001658659</td>
</tr>
</tbody>
</table>

Link to Bib
a “temporary” item:
and the Budget Encumbrance.
Searching: Full Catalog

Full View of Record

Choose format: Standard format / Catalog card / Citation / Name tags / MARC tags

Record 1 out of 1

Author: KING, THOMAS F

Title: PLACES THAT COUNT: TRADITIONAL CULTURAL PROPERTIES IN CULTURAL RESOURCE MANAGEMENT.

Imprint: WALNUT CREEK ALTAMIRA.2009

Check Availability: All items

Series: (HERITAGE RESOURCES MANAGEMENT SERIES.6)

ISBN: 0759100713

Format: Book

Sys. no.: 001658659

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Aleph Cataloging services for loading full OCLC Promptcat bibs:

- file-01, file-02 - Convert to Aleph sequential
- manage-37 - Move OCLC# from 001 to 035
- manage-22 - Character conversion
- manage-36 - Check for duplicates
- manage-38 - Merge fields for unique matches
- manage-18 - Load/overlay unique matches
Loading full bibs to Aleph: Cataloging services

Services to prep and load full OCLC Promptcat bibs
Match point: 035 $$a
YBP order key

Match point: 035 $$a
YBP order key

Match point: 035 $$a
YBP order key
file-01, file-02
Converts file to Aleph Sequential
**manage-37**
Moves OCLC# from 001 to 035

---

**Fix Catalog Records (manage-37)**

- **Input File**: full0610b
- **Output File**: full0610c
- **Input File Type**: ALEPH Sequential
- **From Document Number (up to 9 digits)**
- **To Document Number (up to 9 digits)**
- **Fix Routine**: YANK
- **Update Database?**: No
- **Run Time**: Today
- **At**: O'clock

---

Fix routine located in tab_fix table: xxxx01/tab
manage-22
Character conversion from OCLC to UTF
**manage-36**
Check for duplicates

- Output file 1 = no matches
- Output file 2 = one-to-one matches
- Output file 3 = multiple matches

Match routine located in tab_match table: xxx01/tab
We retain certain fields in the brief bibs by using a merge routine:

```
<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>N</td>
<td>###</td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>1</td>
<td>Y</td>
<td>980##</td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>1</td>
<td>Y</td>
<td>981##</td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>1</td>
<td>Y</td>
<td>CAT</td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>2</td>
<td>Y</td>
<td>###</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>1</td>
<td>N</td>
<td>###</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>2</td>
<td>Y</td>
<td>###</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>N</td>
<td>###</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>099##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>501##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>59##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>690##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>790##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>791##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>793##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>852##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>CAT</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>1</td>
<td>Y</td>
<td>049##</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>2</td>
<td>Y</td>
<td>###</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>2</td>
<td>N</td>
<td>099##</td>
<td></td>
</tr>
</tbody>
</table>
```

-Aleph table
located in xxx01/tab
determines which tags in incoming and existing bib records to keep or discard
However, manage-18 has a bug (merge routines do not work):
**manage-38** - work-around
Entered as shell command at unix; performs a merge routine over a file of records

```
csh -f $aleph_proc/p_manage_38
UTK01,full0610d1,full0610out,full0610rpt,OVERLAY-01
```

- UTK01 = active library
- full0610d1 = input file
- full0610out = output file
- full0610rpt = report file
- OVERLAY-01 = merge routine from tab_merge_overlay
Output file of manage-38 becomes the input file for the bib loader (manage-18):

Output file from manage-38

Updates/replaces the brief records
### Full View of Record

**Choose format:** Standard format / Catalog card / Citation / Name tags / MARC tags

**Record 1 out of 1**

**Author:** King, Thomas F.

**Title:** Places that count: traditional cultural properties in cultural resource management / Thomas F. King.

**Imprint:** Walnut Creek, CA : AltaMira Press, c2003.

**Check Availability:** All items

**Description:** xiii, 335 p. : ill., maps ; 24 cm.

**Subject:**
- Historic sites — Conservation and restoration — United States.
- Cultural property — Protection — United States.
- Historic preservation — United States.
- United States — Cultural policy.
- United States — Antiquities.

**Bibliography:** Includes bibliographical references (p. 297-320) and index.

**Series:** Heritage resources management series ; v. 6

**ISBN:**
- 0759100706 (alk. paper)
- 0759100713 (pbk. : alk. paper)

**Format:** Book

**Sys. no.:** 001668659
To Do:
Implement manage-50

- Aleph Cataloging service to create new holdings and items from embedded bib data
- Run after the full bibs have been loaded and all items arrived/invoiced
Item data comes embedded in OCLC Promptcat records:

| 001650659 LDR | L 01800caen |
| 001650659 001 | L 00001833 |
| 001650659 035 | L $aamcrs1647572^b$b0CoLC |
| 001650659 005 | L 20040510000000.0 |
| 001650659 008 | L 0306210s2003^^^cauab^b^b^b001^0^eng^b |
| 001650659 010 | L $a2003002716 |
| 001650659 040 | L $abDL$cdLC |
| 001650659 020 | L $a075910070$S (alk. paper) |
| 001650659 080 | L $a7759100713 (pbk. : $aix. paper) |
| 001650659 035 | L $a99807679458 |
| 001650659 043 | L $aam-us--- |
| 001650659 049 | L $aSTMN |
| 001650659 05000 | L $aE159$Sb.K567 2003 |
| 001650659 09200 | L $a3616.9/90973$S$121 |
| 001650659 1001 | L $aKing, Thomas F. |
| 001650659 24510 | L $aPlaces that count :$btraditional cultural properties in cultural resource management /$cThomas F. King. |
| 001650659 260 | L $aWalnut Creek, CA :$bAltamira Press,$c2003. |
| 001650659 300 | L $aax111, 335 p. :$bbill., maps :$c24 cm. |
| 001650659 440 | O L $aHeritage resources management series ;$vv. 6 |
| 001650659 504 | L $aIncludes bibliographical references (p. 297-320) and index. |
| 001650659 650 | O L $aHistoric sites $xConservation and restoration $xUnited States. |
| 001650659 650 | O L $aCultural property $xProtection $xUnited States. |
| 001650659 650 | O L $aHistoric preservation $xUnited States. |
| 001650659 651 | O L $aUnited States $xCultural policy. |
| 001650659 651 | O L $aUnited States $xAntiquities. |
| 001650659 949 | L $a3929039290387090 $xSTACK:$b1R |
| 001650659 994 | L $a92:$bTHN |
| 001650659 PNT | L 8R |

Embedded data in bib record:
- Barcode
- Collection
- Sublibrary
Can use doc_log file of system numbers from manage-18
located in: alephe/scratch

tab_hol_item_create_ybp
Creation table for Items and Holdings:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB_LIBRARY</td>
<td>N b</td>
<td>949## l</td>
<td></td>
</tr>
<tr>
<td>COLLECTION</td>
<td>N c</td>
<td>949## k</td>
<td></td>
</tr>
<tr>
<td>CALL_NO</td>
<td>N hi</td>
<td>090## ab</td>
<td>050## ab</td>
</tr>
<tr>
<td>Z30-BARCODE</td>
<td>N</td>
<td>949## b</td>
<td></td>
</tr>
<tr>
<td>Z30-ITEM-STATUS</td>
<td>N</td>
<td>949## n</td>
<td></td>
</tr>
<tr>
<td>Z30-MATERIAL</td>
<td>N</td>
<td>949## m</td>
<td></td>
</tr>
</tbody>
</table>

Map-To fields in Holdings and Items

Values embedded in full OCLC/Promptcat bibs
Must ask YBP/Promptcat to supply two more subfields in 949 of full bibs:

### Incoming full Promptcat bib

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>001658659</td>
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</tr>
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<tr>
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</tr>
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<td>010</td>
</tr>
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<td>040</td>
</tr>
<tr>
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<td>020</td>
</tr>
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</tr>
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<tr>
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<td>043</td>
</tr>
<tr>
<td>001658659</td>
<td>049</td>
</tr>
<tr>
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<td>05000</td>
</tr>
<tr>
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</tr>
<tr>
<td>001658659</td>
<td>1001</td>
</tr>
<tr>
<td>001658659</td>
<td>24510</td>
</tr>
<tr>
<td>001658659</td>
<td>260</td>
</tr>
<tr>
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<td>300</td>
</tr>
<tr>
<td>001658659</td>
<td>440</td>
</tr>
<tr>
<td>001658659</td>
<td>504</td>
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<tr>
<td>001658659</td>
<td>994</td>
</tr>
<tr>
<td>001658659</td>
<td>7MT</td>
</tr>
</tbody>
</table>

### 949 subfields to add:
- $$m - Material Type
- $$n - Item Status
In Conclusion:

- Four months of development
  - Missing values in tab_ybpf_def
  - Work-around for tab_merge_overlay (manage-38)
  - Other conversion issues

- Time savings per week (approx. 250 books)
  - Old workflow – total 65 hours
    - Download OCLC bibs and create holdings, items, orders, encumbrances; arrive and invoice books
  - New workflow – total 8 hours
    - 30 minutes to load all bib files and create new items
    - 1 hour to resolve no matches/multiple matches
    - 6.5 hours to arrive and invoice books

- Workflow runs very smoothly!
Thank you for your time and attention!

Any questions?

mikerogers@utk.edu