Aleph-Primo Interoperability

Jerry Specht, Senior Aleph Analyst
Jerry.specht@exlibrisgroup.com

And Paul McBride (Primo Analyst)
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Agenda (screen 1)

- Jerry (Aleph)
- Introduction
- Aleph publishing (create z00p)
  - Initial: publish-04 Service
  - Ongoing: ue_21 publishing daemon
- publish-06 Service extracts / tars z00p
  - Ongoing Extraction & Publishing
  - How to re-publish a particular record (or records)
Agenda (screen 2)

- Paul / Primo
  - Primo pipe reads tar file from Aleph
  - Indexes Aleph data
  - ...
  - ...
  - RTA (Real-Time Availability) and OvP (OPAC via Primo) get info dynamically from Aleph (Paul and Jerry)
- Resources (Documents)
- Resources (Salesforce Articles)
Introduction

- Aleph creates publishing record for Primo
- Primo gets records from Aleph and indexes them
- When user searches in Primo, availability and hold-request information is retrieved dynamically from Aleph
Oracle Tables (on Aleph side)

- Z07P: one for each xxx01, xxx10, xxx30 library being published from.

- Z00P: one for whole system, in $usr_library
Extract Process Table: `tab_publish`

- These two lines appear in `$alephe_tab/tab_base.eng`:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUCATION</td>
<td>HISTORY</td>
<td>Education</td>
<td>UDN1</td>
<td>UDN1</td>
<td>Y</td>
<td>wi-education</td>
<td>History</td>
<td>UDN1</td>
</tr>
</tbody>
</table>

- These lines appear in `$data_tab/tab_publish`:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of set</td>
<td>Name of base or bibliographic library</td>
<td>Fix and Expand Code of published records</td>
<td>Repository format</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

  (Column 3 is Currently not in use)
tab_publish: base

<table>
<thead>
<tr>
<th>!</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>!!!!!!!!!!!!!!!!</td>
<td>!!!!!!!!!!!!!!!!</td>
<td>!!!!!!!!!!!!!!!!</td>
<td>!!!!!!!!!!!!!!!!</td>
<td>!!!!!!!!!!!!!!!!</td>
<td>!!!!!!!!!!!!!!!!</td>
</tr>
<tr>
<td>PRIMO-FULL</td>
<td>XXX01PUB</td>
<td>N</td>
<td>FULLP</td>
<td>MARC_XML</td>
<td></td>
</tr>
</tbody>
</table>

- Base (col. 2) should not be blank or XXX01 -- even for PRIMO-FULL!
- Use "XXX01PUB" base -- so Suppressed records won't be sent to Primo.
**tab_publish / tab_expand connection**

**tab_publish** PRIMO-FULL pub set uses label FULLP (col. 4)

- FULLP procedure in $data_tab/tabexpand$:

```
FULLP   expand_doc_bib_avail  THRESHOLD=150;AVA=EB;ND;COLLECTION=Y
```

“COLLECTION=Y” is essential; see KB 16384-15201.
PRIMO-AVAIL no longer necessary

From Article 000004978 (KB 16384-60977): If RTA (Real-Time Availability) is being used ... no need for the PRIMO-AVAIL publishing set.
Initial Extract Service: p_publish_04

Run from Publishing submenu of the Services menu in the Cataloging module:

<table>
<thead>
<tr>
<th>*Services</th>
<th>Help</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td></td>
</tr>
<tr>
<td>Retrieve Catalog Records</td>
<td></td>
</tr>
<tr>
<td>Load Catalog Records</td>
<td></td>
</tr>
<tr>
<td>Build Indexes to the Catalog</td>
<td></td>
</tr>
<tr>
<td>Catalog Maintenance Reports</td>
<td></td>
</tr>
<tr>
<td>Catalog Maintenance Procedures</td>
<td></td>
</tr>
<tr>
<td>Union Catalog Union View</td>
<td></td>
</tr>
<tr>
<td>Items</td>
<td></td>
</tr>
<tr>
<td>Manage Database Tables</td>
<td></td>
</tr>
<tr>
<td>Digital Assets Module</td>
<td></td>
</tr>
<tr>
<td>Publishing</td>
<td>Initial Publishing Process (publish=04)</td>
</tr>
<tr>
<td>General</td>
<td>Delete ALEPH Published Records (publish=05)</td>
</tr>
<tr>
<td>Staff</td>
<td>Create Tar File for ALEPH Published Records (publish=06)</td>
</tr>
</tbody>
</table>
### p_publish_04 → Z00P

- **Before** running `p_publish_04`

  ```sql
  usr00@aleph1> select count(*) from Z00P;
  
  COUNT(*)
  --------
  0
  ```

- **After**:

  ```sql
  usr00@aleph1> select count(*) from Z00P;
  
  COUNT(*)
  --------
  228785
  ```
How To Look at z00p xml

This document is on Tech Seminar CD:

“Looking at AVA tags in the z00p_ptr (xml) field in z00p records”
Create Tar file (publish-06)

We are choosing set “ALL”; we could choose a specific set

Update Flag is set to Yes. Necessary to create/update tab_publish_timestamp file

The “path” is where the output tar files will be created
Create Tar file (publish-06)

Do initial run of p_publish_06 on all records:

Create Tar file for: Range of documents
From document: 000000000
To document: 999999999

(as shown on previous submission screen).

After which, p_publish_06 should be in the job_list, specifying “Create Tar file for: From last handled date”, running at least daily.
Ongoing Extraction & Publishing

Update to Z00 (Bib, AUT, HOL, CR, etc.) or Z30

Z07 → ue_01 → Z07A → ue_01_z0102

(xxx01, xxx10, xxx30) → Z07P → Z00P ($usr_library)

Z07P → ue_21

Update to Z36 or Z37

p-publish_06

Publishing Platform

**Tar file**
**publish-06 “From last handled date”**

Now we run publish-06 again (as it would be run on Production on ongoing basis):

We run it like last time except that now we choose “Create Tar File For” “From last handled date”. This creates the tar file for new or updated records from last time the service was performed.
How to re-publish a particular record (or records)

How can we re-publish a particular record (or records)?

If the records already exist in Primo (and there's an existing z00 record for each of them in Aleph), then util f/1/30 ("Write Z07P Records for Publish") must be used. (Note: re-sending the record to the server via GUI Cataloging, util f/1/13, or manage-40 will work only if the record has changed. util f/1/30 works even if it has not changed.)

If there are too many records to be sent to the server individually, then publish-04 needs to be run. See Article 000022896 ("How to re-publish all records").
Programs which process Primo requests

Programs which process requests from Primo have "dlf" prefix, such as: dlf_get_item.

Three kinds of requests received from Primo:

1. **OvL** (OPAC via Link)  *Primo puts user into Aleph OPAC -- not normally used*
2. **OvP** (OPAC via Primo) *used when you click on "Locations", "Hold Request", etc.*
3. **RTA** (Real-Time Availability) *used for Availability info*
OvP transaction goes to jboss

alias "jlog" is used to access jboss (port 189n) log directory:

> view localhost_access_log.2013-04-12.log:

And www_server ...

2013-04-12 08:13:23 71 [000] [vrb] IN 20130412 081323
ip address: 64.94.37.116 371
request: "(/[P]?op= getting item list&item&institution=&sublibrary=&view=full &con_lng=eng&rest_uri=http://xxx.edu:1891/rest-dlf/record/XXX01001891095/holdings"

2013-04-12 08:13:23 71 [001] [vrb] IN 20130412 081323
ip address: 64.94.37.116 434
request: "(/[P]?op= getting item list&item&institution=&loaned=&year=&volume= &sublibrary=&patron=&view=full&con_lng=eng&no_items=&start_pos=&sublibs=FCPMN&rest_uri=http://xxx.edu:1891/rest-dlf/record/XXX01001891095/items"

DLF SERVICE: GET-ITEM-LIST
DLF SERVICE: GET-HOL-LIST
---

**RTA accesses www_server directly using X-SERVICES**

RTA (Real-Time Availability) accesses www_server directly using X-SERVICES

www_server log:

```
2013-04-12 04:24:18 83 [000] [vrb] IN 20130412 042418
  ip address: 64.74.237.162 271
  request:
  "/X?op=publish_avail&doc_num=001921407&library=XXX01"
  X SERVICE: PUBLISH-AVAIL
```
<table>
<thead>
<tr>
<th>Resources (Documents)</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="http://customercenter/DocumentationCenter/default.aspx">http://customercenter/DocumentationCenter/default.aspx</a></td>
</tr>
<tr>
<td>&gt; Aleph &gt; Technical Documentation &gt; OAI and Publishing &gt;</td>
</tr>
<tr>
<td>* “Aleph Publishing Mechanism”</td>
</tr>
<tr>
<td>* “How to Publish ALEPH Records in Google”</td>
</tr>
</tbody>
</table>

Note: “Aleph Publishing Mechanism” is on the Tech Seminar CD.
### Resources (Salesforce Articles)

**Salesforce Articles relevant to Aleph Publishing:**

- **00001804** ("Analyzing failure to publish bib records into Primo")
- **000003199** ("Z00P records not Written when xxx01 Records updated")
- **000004284** ("Z00P records missing AVA fields")
  - 000018973: Able to Place Holds on Ineligible Items in Primo
  - 000020098: Records not in z00p
  - 000020241: RTA: only 1 AVA in primo (unable to show collection in brief view)
  - 000020081: p_publish_06: records not processed into PRIMO; re-running
  - 000017492: p_publish_06: extracting changed data; tab_publish_timestamp
<table>
<thead>
<tr>
<th>Recap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recap ...</td>
</tr>
<tr>
<td>and</td>
</tr>
<tr>
<td>Thank you!</td>
</tr>
<tr>
<td><a href="mailto:Jerry.specht@exlibrisgroup.com">Jerry.specht@exlibrisgroup.com</a></td>
</tr>
</tbody>
</table>