

WU - Alma API Uses

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Learning Outcomes

- Know how to use the User API to delete batches of patrons.
- Understand the acquisitions workflow using the Acquisition API with YBP.
- Know how to use the Bibs API to gather WEST journal holdings records.



Alma API Solution: Delete Sheet

- We wanted the ability to delete batches of patron records, but our records lacked a “Purge date” field.

The screenshot displays the Alma user details interface. At the top, the Alma logo and navigation tabs (Tasks, Analytics, Currently at: MOH - HAT Circulation) are visible. The user details section includes fields for Name, Primary Identifier, Record type (Public), and Account Type (Internal). Below this, a tabbed interface shows 'User Information' selected. The 'User Information' section contains various fields for user data, including First name, Last name, Title, PIN number, Job category, Gender, Campus, Preferred language, Status date, Expiration date, Resource sharing library, Middle name, Primary identifier, Job description, User group (ALUM), Website URL, Status (Active), Birth date, and Purge date. The 'Purge date' field is highlighted with a red rectangular box, indicating its importance in the context of the slide's message. At the bottom, the 'Created By' and 'Updated By' information is displayed.

Alma API Solution: Delete Sheet

- General workflow:
 - Generate the spreadsheet from Analytics.
 - Verify with circulation staff that we are okay to run the delete on the file.
 - Move the file to the server.
 - Run the PHP script.
 - Capture output and send to circulation staff.



Alma API Solution: Delete Sheet

- Create a file in Analytics of users potentially to be deleted.

The screenshot displays the ExLibris Analytics web interface. The main title is "Expired Patrons Two Years Out Ready to Delete". The interface is divided into several sections:

- Criteria:** Includes tabs for Results, Prompts, and Advanced.
- Subject Areas:** A tree view on the left showing a hierarchy of data categories under "Users", including User Details, Preferred Contact Information, Address, Phone Number, Email, Identifier, Block, Role, Campus Details, Note, Statistics, and Institution.
- Selected Columns:** A list of columns for the analysis, including User Group, Expiry Date, First Name, Last Name, and Primary Identifier.
- Filters:** A section for defining query filters. The current filters are:
 - "User Details"."Expiry Date" < TIMESTAMPADD(SQL_TSI_DAY, -730, CURRENT_DATE)
 - AND Identifier Type is equal to / is in University ID
 - AND Status is equal to / is in Active

Alma API Solution: Delete Sheet

- Need:
 - PHP Excel
 - Delete-sheet <https://github.com/hatfieldlibrary/delete-sheet>
 - Alma User API Key
- What it does:
 - Reads the spreadsheet into an object
 - Works through the spreadsheet row by row using the user_id to 'DELETE' the record
 - Reports success or the response if any issues, ie. fines / loans to screen



Alma API Solution: Delete Sheet

- Code snippet:

```
foreach ($sheetData as $row) {  
  
    $count = $count + 1;  
    $fulluid = $row['A'];  
    $ch = curl_init();  
    $url = 'https://api-na.hosted.exlibrisgroup.com/almaws/v1/users/{user_id}';  
    $templateParamNames = array('user_id');  
    $templateParamValues = array(urlencode($fulluid));  
    $url = str_replace($templateParamNames, $templateParamValues, $url);  
    $queryParams = '?' . urlencode('user_id_type') . '=' . urlencode('all_unique') . '&' . urlencode('apikey') . '=' . urlencode('YOUR ALMA API KEY');  
    curl_setopt($ch, CURLOPT_URL, $url . $queryParams);  
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);  
    curl_setopt($ch, CURLOPT_HEADER, FALSE);  
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, 'DELETE');  
    $response = curl_exec($ch);  
  
    if (empty($response)) {  
  
        echo "UserID " . $fulluid . " HAS been deleted" . "<br />";  
    }  
    else {  
        echo "\nUserID " . $fulluid . " Could not be deleted because " . $response . "<br />";  
    }  
  
    curl_close($ch);  
}
```

Alma API Solution: Acquisitions with YBP

- EOCR workflow:
 - Order in GOBI
 - Wait till next day
 - FTP the order records
 - Load the records into Alma



Alma API Solution: Acquisitions with YBP

- API workflow:
 - Librarian identifies GOBI record to order
 - Instantly sent to Alma, if a match in Network Zone attaches to bib
 - If no match, creates a brief record
 - Invoice from YBP will have a POL line with it
 - Brief records contain the OCLC number, no need to put in before the overlay
 - Same cost that we had when loading OCR records



Alma API Solution: Acquisitions with YBP

- Current issue
 - Matching only on ISBN not Physical vs. Electronic



Alma API Solution: West Holdings

- Need:
 - Export holdings records for WEST (Western Regional Storage Trust)
 - Alma unable to export holdings records from sets
 - Alma Bibs API Key
 - Code for three Python scripts from Katherine Deibel at UW
https://bitbucket.org/uwlib/west_holdings



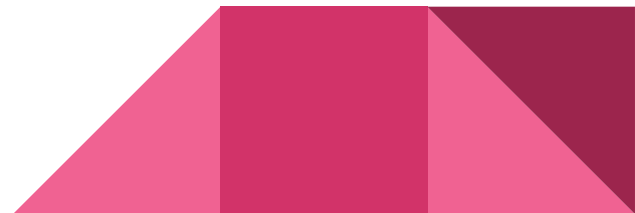
Alma API Solution: West Holdings

- What it does:

- Gather bib records in Alma and export MARC file
- First script runs and extracts the MMS_ID from each bib record in the MARC file
- Second script runs and generates file of holding and MMS_IDs
- Third script runs and grabs the actual holdings records:

https://api-na.hosted.exlibrisgroup.com/almaws/v1/bibs/{mms_id}/holdings/{holding_id}

- Convert MARCXML to MARC21 using MarcEdit and perform other minor editing



Questions / Comments

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