Integrating Digital Deposits into Your Library Systems

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Who Am I?

• Been with Ex Libris since 2010

• Responsible for several Resources Management development teams:
  • *Legacy ILSs*: Aleph, Voyager
  • *Digital*: Rosetta and Alma DRM
  • *Alma Ex(tended)*: APIs and Regional

• How to reach me:
  • [Developer Network Blog](#)
  • Github.com/jweisman
  • Twitter- @joshmweisman
Objectives and Target Audience

• By the end of this session you will know, understand and/or be able to:
  • Configure deposit profiles in Alma
  • Perform staff mediated and user initiated deposits using Alma interfaces
  • Use Alma’s support for the SWORD protocol to perform a scripted deposit
  • Understand how to get started developing a custom deposit interface using SWORD

• This session is intended for system librarians and developers
Agenda

1. Introduction & Configuring Deposits in Alma
2. Performing Deposits Using Alma Interfaces
3. Deposit REST APIs
4. Performing Deposits Using Alma’s SWORD Support
5. Next Steps, Support Resources and Survey
Introduction & Configuring Deposits in Alma
Deposits in Alma

• Patrons or staff can submit digital content to Alma to be added to the digital repository

• Deposits consist of:
  • suppressed bibliographic record in Dublin Core format
  • a digital representation
  • one or more digital files

• Use cases:
  • Institutional repository
  • Research theses and data
Configuring Deposits

• The following elements can be configured for deposits:
  • Deposit Profiles
  • Deposit Return Reasons
  • Deposit Decline Reasons
  • Patron Deposit Templates

• All have defaults except for deposit profiles
Configuring Deposit Profiles

• Deposit profiles define “paths” through which users can deposit materials.

• Examples might be “theses” or “university newspapers”

• Important fields include:
  • Material properties- Collection and Access rights
  • Who/how to deposit- Instructions and user groups
DEMO: Configuring Deposit Profiles
Performing Deposits Using Alma Interfaces
Staff Mediated Deposit

- Allows staff members to deposit material on behalf of patrons.
- Staff mediated deposits are always auto-approved
Deposit Approval Workflow

- Deposits made by patrons arrive in a Deposited state.

Diagram:
- Deposit
  - DRAFT
  - SUBMITTED
    - RETURNED
      - WITHDRAWN
      -DECLINED
    - APPROVED
DEMO:
Performing a staff mediated deposit
Patron Deposits

• Using the Primo (new UI) or as a stand-alone application, you can expose a UI for patrons to deposit materials directly into Alma

• The interface provides the following features:
  • List of deposits
  • Create a new deposit
  • Edit/withdraw a pending deposit

New in May ‘17!
DEMO:
Performing a patron deposit
Deposit REST APIs
<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET /conf/deposit-profiles</td>
<td>Get list of deposit profiles</td>
</tr>
<tr>
<td>GET /conf/deposit-profiles/PROFILE_ID</td>
<td>Get deposit profile</td>
</tr>
<tr>
<td>GET /users/USER_ID/deposits</td>
<td>Get list of deposits</td>
</tr>
<tr>
<td>GET /users/USER_ID/deposits/DEPOSIT_ID</td>
<td>Get deposit</td>
</tr>
<tr>
<td>POST /users/USER_ID/deposits</td>
<td>Create a new deposit</td>
</tr>
<tr>
<td>POST /users/USER_ID/deposits/DEPOSIT_ID</td>
<td>Action on a deposit</td>
</tr>
</tbody>
</table>
DEMO:
Deposit REST APIs
Performing Deposits Using Alma’s SWORD Support
**SWORD** (Simple Web-service Offering Repository Deposit) is an interoperability standard that allows digital repositories to accept the deposit of content from multiple sources in different formats (such as XML documents) via a standardized protocol.

*Wikipedia*
SWORD Support in Alma

• Alma SWORD support enables an institution to create a custom deposit interface

• The workflow can be as basic or involved as desired
  • From only submitting a deposit to a full approval workflow including return edit

• Standard SWORD client toolkits can be used, such as:
  • Java: https://github.com/swordapp/JavaClient2.0
  • Ruby: https://github.com/swordapp/sword2ruby
  • Python: https://github.com/swordapp/python-client-sword2
  • PHP: https://github.com/swordapp/swordappv2-php-library/
SWORD Support in Alma

<table>
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<tr>
<td>GET /sd</td>
<td>Get Service Document</td>
</tr>
<tr>
<td>GET /edit/&lt;deposit-id&gt;</td>
<td>Get Deposit details</td>
</tr>
<tr>
<td>PUT /edit/&lt;deposit-id&gt;</td>
<td>Replace metadata</td>
</tr>
<tr>
<td>POST /collection/&lt;deposit_profile_id&gt;</td>
<td>Create resource</td>
</tr>
<tr>
<td>POST /edit-media/&lt;deposit_id&gt;</td>
<td>Add content</td>
</tr>
<tr>
<td>DELETE /edit-media/&lt;deposit_id&gt;/&lt;filename&gt;</td>
<td>Delete content</td>
</tr>
<tr>
<td>DELETE /edit/&lt;deposit-id&gt;</td>
<td>Withdraw deposit</td>
</tr>
<tr>
<td>PUT /edit/&lt;deposit-id&gt; &quot;In-Progress: false&quot;</td>
<td>Submit in progress deposit</td>
</tr>
</tbody>
</table>
DEMO: Getting started with SWORD
DEMO:
Building a deposit interface with SWORD
Next Steps and Resources
Next Steps and Support Resources

• Documentation:
  • Deposit Online Help
  • SWORD on the Developer Network
  • Blogs on the Developer Network

• Additional support resources within the ExLibris Ecosystem:
  • Idea Exchange
  • Developer Network

• Technical Seminar Presentations
  (located in the Cross-Product section of the CKC)
Any Questions?
Session Survey Evaluation

Please use the following link to provide feedback on your sessions:
https://www.surveymonkey.com/r/techsem2017
THANK YOU