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 ILS*: Aleph, Voyager
  • *Digital*: Rosetta and Alma DRM
  • *Alma Ex(tended)*: APIs and Regional
• How to reach me:
  • [Developer Network Blog](#)
  • Github.com/jweisman
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Objectives and Target Audience

• By the end of this sessions 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 get starting developing a custom deposit interface using SWORD

• This session is intended for system librarians and developers

Agenda

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

- 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- WITHDRAWN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

**DEMO:**
Performing a patron deposit
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/

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
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<tbody>
<tr>
<td>GET /sd</td>
<td>Get Service Document</td>
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<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>
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<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>
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DEMO: Getting started with SWORD

DEMO: Building a deposit interface with SWORD
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)
Q & A

Any Questions?

Session Survey Evaluation

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