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



- 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

Introduction & Configuring Deposits in Alma

Performing Deposits Using Alma Interfaces

Deposit REST APIs

Performing Deposits Using Alma's SWORD Support

Next Steps, Support Resources and Survey

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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



- 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



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Performing Deposits Using Alma Interfaces



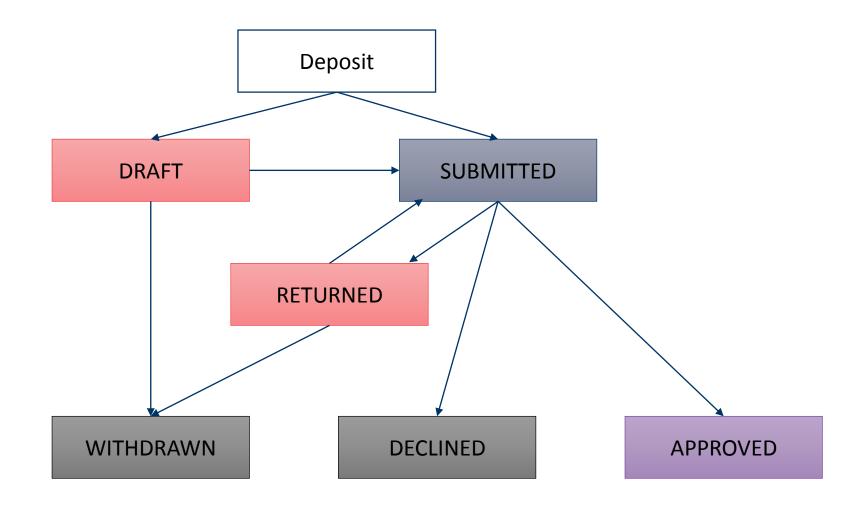
Staff Mediated Deposit

- 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





DEMO: Performing a staff mediated deposit



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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



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Deposit REST APIs





Method	Description
GET /conf/deposit-profiles	Get list of deposit profiles
GET /conf/deposit-profiles/PROFILE_ID	Get deposit profile
GET /users/USER_ID/deposits	Get list of deposits
GET /users/USER_ID/deposits/DEPOSIT_ID	Get deposit
POST /users/USER_ID/deposits	Create a new deposit
POST /users/USER_ID/deposits/DEPOSIT_ID	Action on a deposit



DEMO: Deposit REST APIs

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Performing Deposits Using Alma's SWORD Support



SWORD (Simple Web-service Offering Repository Deposit) is an <u>interoperability</u> standard that allows <u>digital repositories</u> to accept the deposit of content from multiple sources in different formats (such as <u>XML documents</u>) via a <u>standardized protocol</u>.

Wikipedia https://en.wikipedia.org/wiki/SWORD_(protocol)



ExLib



- 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 <u>client toolkits</u> can be used, such as:
 - Java: https://github.com/swordapp/JavaClient2.0
 - Ruby: <u>https://github.com/swordapp/sword2ruby</u>
 - Python: https://github.com/swordapp/python-client-sword2
 - PHP: <u>https://github.com/swordapp/swordappv2-php-library/</u>



Method	Description
GET /sd	Get Service Document
GET /edit/ <deposit-id></deposit-id>	Get Deposit details
PUT /edit/ <deposit-id></deposit-id>	Replace metadata
POST /collection/ <deposit_profile_id></deposit_profile_id>	Create resource
POST /edit-media/ <deposit_id></deposit_id>	Add content
DELETE /edit- media/ <deposit_id>/<filename></filename></deposit_id>	Delete content
DELETE /edit/ <deposit-id></deposit-id>	Withdraw deposit
PUT /edit/ <deposit-id> "In-Progress: false"</deposit-id>	Submit in progress deposit



DEMO: Getting started with SWORD



DEMO: Building a deposit interface with SWORD



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Next Steps and Resources





Next Steps and Support Resources

- Documentation:
 - Deposit Online Help
 - <u>SWORD on the Developer Network</u>
 - <u>Blogs on the Developer Network</u>
- Additional support resources within the ExLibris Ecosystem:
 - Idea Exchange
 - Developer Network
- <u>Technical Seminar Presentations</u>

(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: <u>https://www.surveymonkey.com/r/techsem2017</u>





THANK YOU

