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Email a file to Alma.... And other feats of wonder with the SWORD Protocol

IGELU Developers Day 2017 | St. Petersburg, Russia

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Agenda

- **Introduction & Configuring Deposits in Alma**
- **Performing Deposits Using Alma Interfaces**
- **Depositing Content Programmatically**

Introduction and Configuring Deposits in Alma

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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

Performing Deposits Using Alma Interfaces

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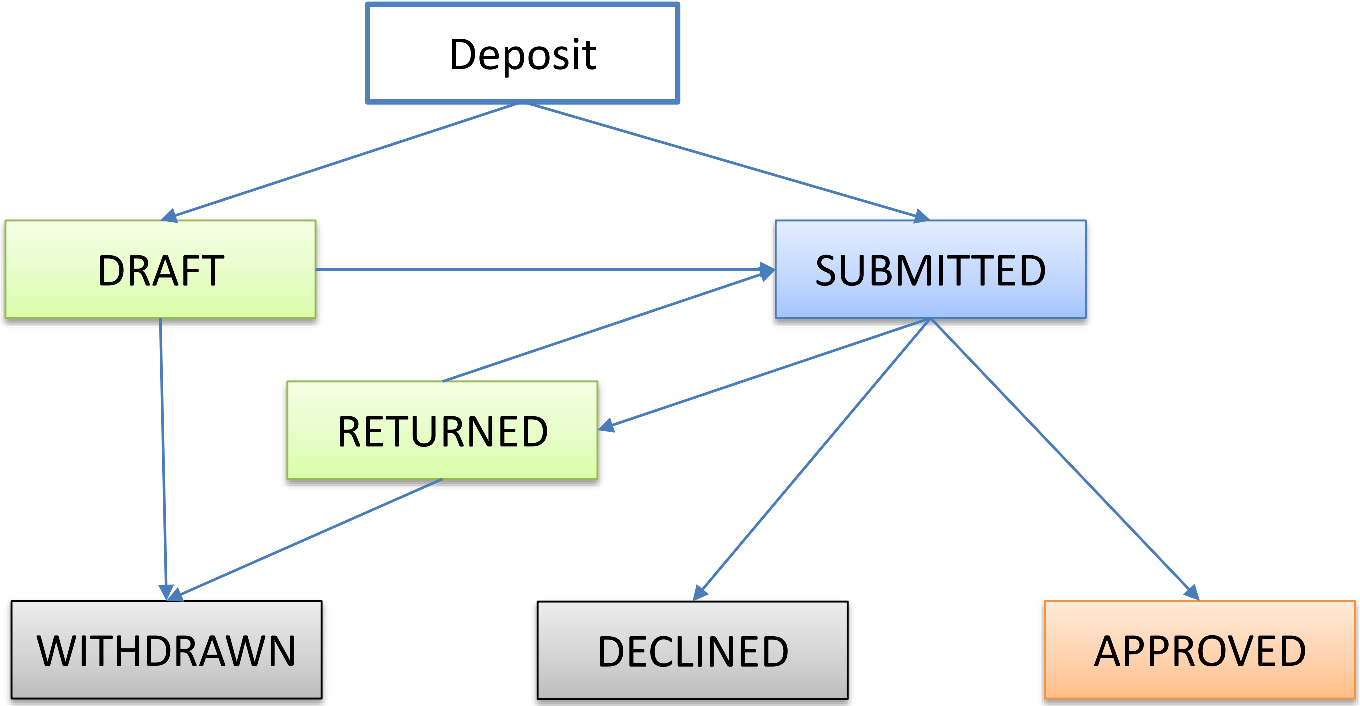
Staff Mediated Deposits

- 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



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:

Patron Deposit Interface

Depositing Content Programmatically

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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

SWORD

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

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

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

Simple SWORD Deposit

- Simple script using standard SWORD libraries for PHP and Ruby

- Good test case for Alma interoperability

DEMO:

Simple SWORD Deposit with client libraries

https://developers.exlibrisgroup.com/blog/Getting-Started-with-SWORD-Digital-Deposits

Full Deposit Interface

- Simple scripts are nice, but I need a deposit interface for my users

- The Alma interface is OK, but I have specific requirements (metadata fields, validations, etc.)

- SWORD support makes my coding easier

DEMO:

Full Deposit Interface

https://developers.exlibrisgroup.com/blog/Building-a-Digital-Deposit-Tool-for-Alma

Email Deposit

- A full deposit interface is nice, but it’s ”too much work” for my users to fill out a form ☺

- Can we use SWORD to create an easier user experience? Something as easy as email?

- Demo uses AWS Lambda (Node.js), AWS Email Service (SES), Alma SWORD support

DEMO:

Email Deposit

https://developers.exlibrisgroup.com/blog/Accepting-Digital-Deposits-via-Email

Next Steps and Resources

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

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THANK YOU

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