Interoperability SIWG Update

ELUNA 2017 | Schaumburg, IL

Josh Weisman | VP Development, Resources Management
Agenda

- Developer Network
- Alma
- Primo
- Summon
- Rosetta
Ex Libris Developer Network

- Documentation
- Blog
- Forum
- Dashboard
### Product Forums

<table>
<thead>
<tr>
<th>Forum</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>A forum for discussing issues that are not product-specific</td>
</tr>
<tr>
<td>Alma</td>
<td>A forum for Alma developer community support</td>
</tr>
<tr>
<td>Primo</td>
<td>A forum for Primo developer community support</td>
</tr>
</tbody>
</table>

**Active Posts**

- **09/05/2017 06:03:55**
  - orim

- **09/05/2017 01:04:01**
  - kevinlin
Remaining APIs Header

• We've added a new header which will be returned for each API request with the up-to-date number of remaining requests.

• The header's value is the number of requests left until midnight according to the Institution's Account Plan.

X-Exl-API-Remaining: 49999

https://developers.exlibrisgroup.com/blog/Advanced-API-Usage-Reports-Now-Available
Prefixing EZProxy Links to the Resources without OpenURL of Primo Central on Primo New UI (Feb 2017 version)

On the new UI of Primo Feb 2017 version, POI resources without OpenURL, i.e. direct link resources, cannot be mediated with SFX service which is incorporated with EZProxy mechanism. The upshot is remote library users would not be able to access the.

Read More

Customized Citation Disclaimer on Primo New UI Feb 2017 Release

On Primo Feb 2017 version new UI, the disclaimer is missing while the same feature is on the Primo old UI. I used Angular JS to implement the same feature on the new UI. The method is self-explained by the description of the source codes below:

Read More

Tag Cloud

- Code & Apps
- Aleph
- Alma
- SFX
- Voyager
- Digitool
- SIS
- Printing
- Publishing
- Export
- Banner
- LDAP
- SAML
- Finance
- Self-check
- Document
- SMS
- NCIP
- Digital
- Resource-sharing
- Jobs
- SocialLogin
- Cloud
- API
- SWOQ
- Webhooks

Automatically Activate A Search After Changing Search Scope

April 27th, 2017

Duncan Wilson

The default behaviour of the Primo new UI forces users to click on the search button after changing the search scope. This piece of Angular/javascript changes the behaviour so that the search results are reloaded after changing scope from the drop down.

Read More

Shelf Inventory using Alma APIs

April 26th, 2017

Dean Lingley

At Purdue, we were in need of a solution which would help us get a handle on our shelves after not doing any shelf reading for approximately 2 years after going live with Alma in May of 2013. The staff wished to complete the shelf reading process.

Read More

Binding Print Serials in Alma - Including Work Order Process

April 20th, 2017

Richard McCart

Contributors: Giuliana Tarasio, Amanda Martinho Background: This workflow is designed to use functionality in Alma in order to help us keep track of print serials issues that we are binding. Key benefits of using Alma for binding.

Read More

Publishing Full text From Rosetta to Primo

April 6th, 2017

Karen Fux

In this post we will show how to publish full-text content from Rosetta to Primo that is supported from version 5.2 of Rosetta. If you are new to the publishing process, here is a great place to start.

Read More
Ex Libris Github

- Ex Libris maintains a presence on Github to share integration demos, code samples, plugins, and collaborative projects.
- Notable examples- Primo new UI toolkit, Rosetta plugins, Alma migration tools, Alma/Blacklight sample integration, Tableau Web Data Connector.
Ex Libris Github

https://github.com/ExLibrisGroup
Tableau Web Data Connector

- Tableau provides a way to visualize data from various sources
  - Many customers are already using Tableau
- Can aggregate and display data from various sources
  - How can we include library data as well?
- Tableau’s “Web Data Connector” technology can be used to import data from APIs

Announcing an Ex Libris web data connector for use by all Ex Libris customers! The connector is open source and available for everyone.
Tableau Web Data Connector

https://developers.exlibrisgroup.com/blog/Tableau-Web-Data-Connector-for-Ex-Libris-Analytics
Recently Released

- Linked Data
  - RDA/RDF Linked Data API
- Set management
  - Create/delete itemized
  - Create itemized set from job
  - Transform logical to itemized
  - Create logical set
  - Add/removed itemized set members

- Process Orchestration
  - Run scheduled jobs
  - MD Import job details

- Electronic
  - Get e-collections, e-services, portfolios

- CRUD Collections
Coming Soon

- Electronic
  - CRUD e-collections, services, portfolios
- Login via email
- Set management
  - Add members via additional IDs
  - Combine sets
- Linked Data
  - BIBFRAME
- Reminders APIs
- License APIs
- Create user fine
- Publish MARC21 records in BIBFRAME format
- Delete BIB
- Validate/Normalize BIB
- Resource Sharing CRUD
Login via Email

- Users are registered in Alma with an email address by the circulation desk (or by the RESTF APIs)
- When users wish to login to Primo, they select the “login via email” option and provide their registered email address
Login via Email

- An email with a “magic link” is sent to the user. The user can click the link within 30 minutes and is automatically logged in to Primo. No password required.
- The link is cryptographically signed to prevent spoofing.
Alma Webhooks

• New paradigm for communicating with Alma

• When certain events happen in Alma, Alma calls out to a customer’s REST endpoint with a defined payload

• Job end is the first event type, others on the way including loans and requests
Alma Webhook Benefits

- Alternative to “polling” - push rather than pull
- Respond to events in the system when they occur
- Asynchronous architecture
- Reduce API calls

Source: http://www.webhooks.org
Alma Webhook Support

• Job End

• Notifications

• User update – **NEW** in June 2017

• Others coming soon

[https://developers.exlibrisgroup.com/blog/tag/Webhooks](https://developers.exlibrisgroup.com/blog/tag/Webhooks)
IIIF Support

• International Image Interoperability Framework
  • Series of APIs intended to allow easy integration among digital repositories

• Alma will support the IIIF presentation API (manifest) and bundle the Universal Viewer

• Adds support for TIF files
IIIF Support – Presentation Manifest

```json
{
    "@context": "http://iiif.io/api/presentation/2/context.json",
    "@id": "https://na01.alma.exlibrisgroup.com/view/delivery/TR_INTEGRATION_INST/1288029980000561",
    "@type": "sc:Manifest",
    "metadata": [
        {
            "label": "Title",
            "value": "NASA Space Images"
        },
        {
            "label": "Author",
            "value": "NASA"
        }
    ],
    "label": "NASA Space Images",
    "description": "",
    "viewingDirection": "left-to-right",
    "viewingHint": "individuals",
    "sequences": [
        {
            "@type": "sc:Sequence",
            "canvases": [
                {
                    "@id": "1388029970000561",
                    "@type": "sc:Canvas",
                    "label": "Galaxy Abell 1689" s "Gravitational Lens" Magnifies Light of Distant Galaxies",
                    "width": 3853,
                    "height": 4000,
                    "images": [
```
IIIF Support – Universal Viewer
Primo
Primo Discovery: Extend and Share Innovations with the Community

Primo Open Discovery Framework
Embed external services
Develop new services
Add components
Leverage linked data

Share with the Primo Community

Implement
out-of-the-box discovery

Tailor
brand & design

Extend
services & functionality

Primo Discovery

Development
Customization Package

Development
Environment
Primo Open Discovery Essentials

- Customize, Develop & Collaborate
- Immediate display of changes
- Manageable upgrades

Simple way to display default ‘factory’ UI
Share with the community
Techies Paradise Playground

Customize and develop on your local server

With no affect to your production
Open Discovery Framework

https://github.com/ExLibrisGroup/primo-explore-devenv
API Improvements

Recent Enhancements:
- Faceting by Content Provider and Database
- Search by Discipline
- HTTPS Support

Coming Soon:

Availability for API
- Ability for API users to display availability information for content an institution has rights to

Topics for API
- Provide access to the necessary fields to create the topic explorer pane
- Should provide institution the ability to create a topic explorer with the same contents: Reference resource, suggested librarian, Recommended topics, Recommended Research Guides

Open Access Filter
- Faceting by Open Access

Addition of the API documentation to the Developers Network
Summon Over Alma – Seamless Activation of Resources

- Activating resources in Alma powers discovery rights for Summon
- Automated holdings updates for some collections (such as ebooks)

Going live in May 2017
API Documentation - Exactly Where Needed
Highlights

• Version 5.2 (March 2017)
  • Support for BagIt Deposit
  • SAML Authentication built-in to Rosetta
  • Alma Remote Repository Integration Plugin - allows creation/deletion of digital inventory
  • Alma Remote Repository Access Rights Check - allows Primo (via Alma) to display access for digital resources stored in Rosetta

• Version 5.3 (August 2017)
  • IIIF Support
  • Integration with FigShare
THANK YOU

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