

# Ex Libris Update: The Higher-Ed Cloud Platform

Jane Burke, VP Strategic Initiatives





#### **Collaboration as a Core Value**



Industry expertise



Software expertise



**ProQuest Synergies** 



Infrastructure



Supporting platforms



Library 🚊 experience IIII



Product extensions



Product feedback



Industry advocacy



**National User Groups** 

Institutions' voice **Lil** 











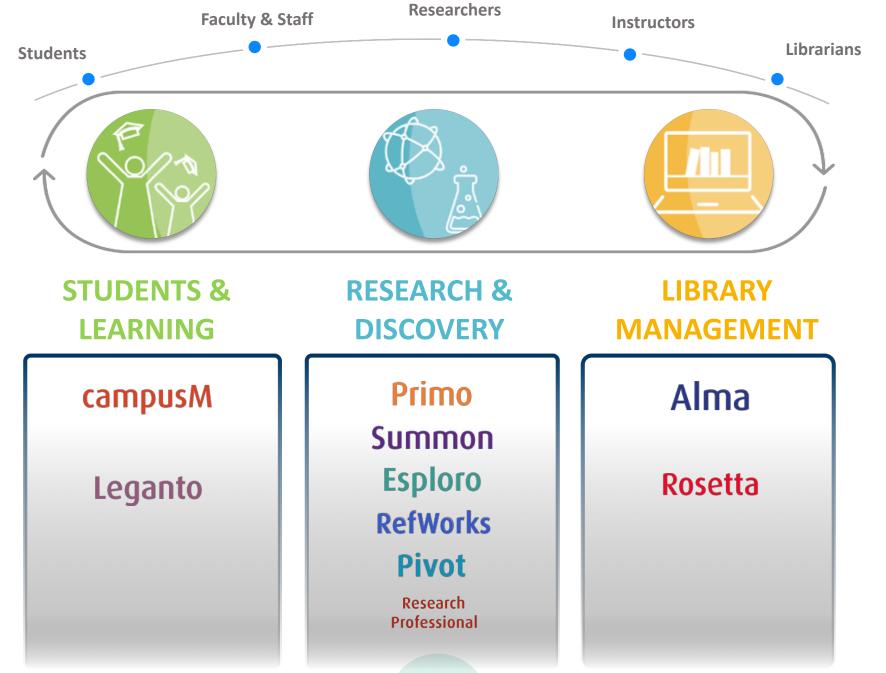






## The Ex Libris Community







# **Ex Libris Higher-Ed Cloud Platform**

Alma Primo Summon Esploro
Leganto RefWorks campusM Pivot

App Services

UX & Mobile Framework

Workflow Engines

**Collaboration Services** 

Analytics & Dashboards

Shared
Data & Content

Infrastructure Services

Agile Releases Multi-Tenancy Open APIs & Integrations

Metadata & Data Schemas

Security & Authentication







#### Alma 2018





#### **Analytics**

- Intense collaboration with customers
- COUNTER, Cost Per Use



# Primo VE + Automated Fulfillment Network.

- Enhanced Patron Service
- Find anywhere, pickup anywhere, return anywhere



#### **Digital**

- Laying the groundwork for migrating and displacing DAMS
- Migration Tools, Product
   Features for displacement



#### Alma 2019



#### **Continued work on UX**

- MD Editor
- Acquisition Workflows
- Inventory Workflows

#### **Bring the CZ closer**

 Manage Sets, Add local extensions



#### **Resource Sharing**

- Expand use via new protocols (New ISO)
- New capabilities (E-Resource)



# Advanced Collection Management

Request <-> Res. Sharing <-> Acquisition

#### **DARA**

 initial recommendations, laying the groundwork

#### Digital

- Actively Migrating DAMS
- ContentDM, Dspace, DigiTool and others



#### Alma 2020



#### **Continued work on UX**

- Next Gen/Responsive
   Design, New Navigation and
   Menu
- MD Editor Advanced Features

**Collaborative E-Resource Acquisitions** 



#### **Analytics -**

- Introduce new data visualization capabilities
- New possibilitiesy mixing data across areas
- Loading external data sources

#### **Digital**

- Data Safeguarding
- MODS
- Enhanced Delivery



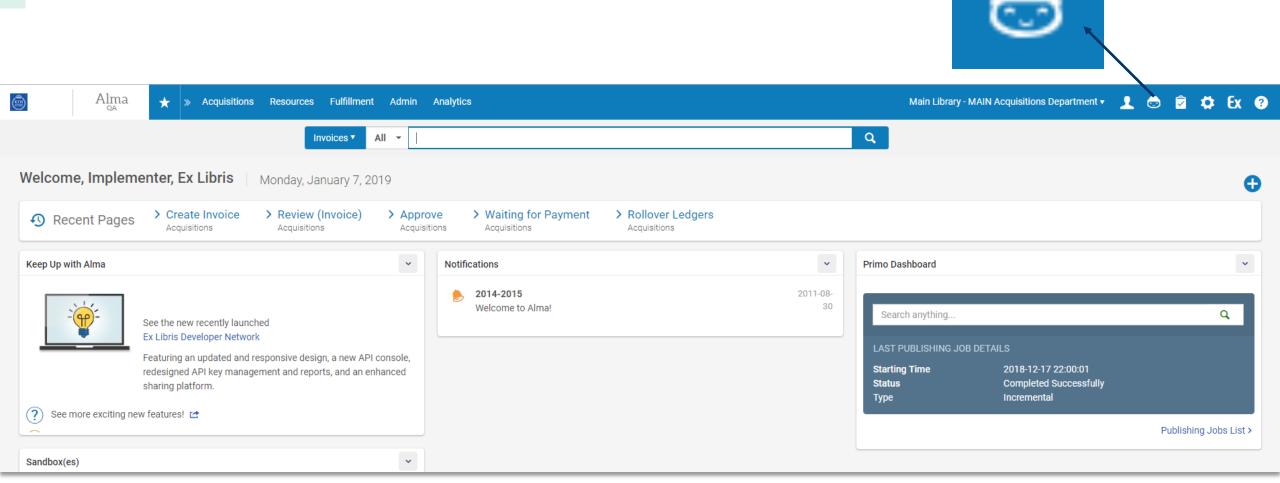
#### **DARA**

Introduce advanced approaches (statistical, machine learning)



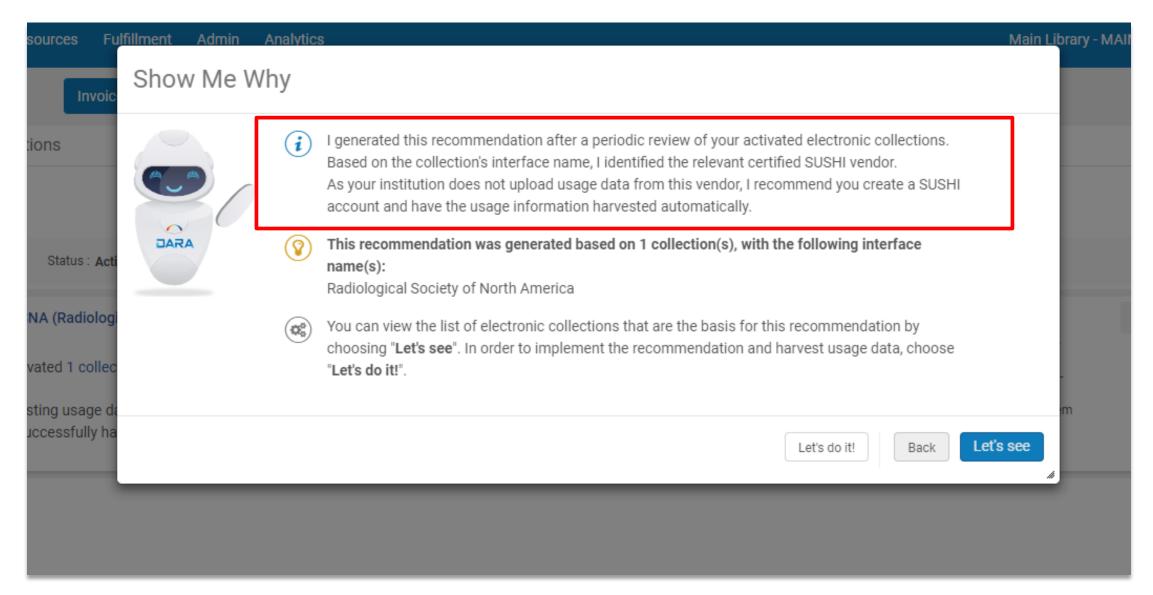


#### **DARA**





#### **DARA**





#### **DARA**

#### **CONFIGURATION RECOMMENDATIONS**

"I recommend that you create a SUSHI account based on your activated collections"

#### RESOURCE MANAGEMENT RECOMMENDATIONS

"I recommend you link the following local collection to the CZ" 

#### **FULFILLMENT RECOMMENDATIONS**

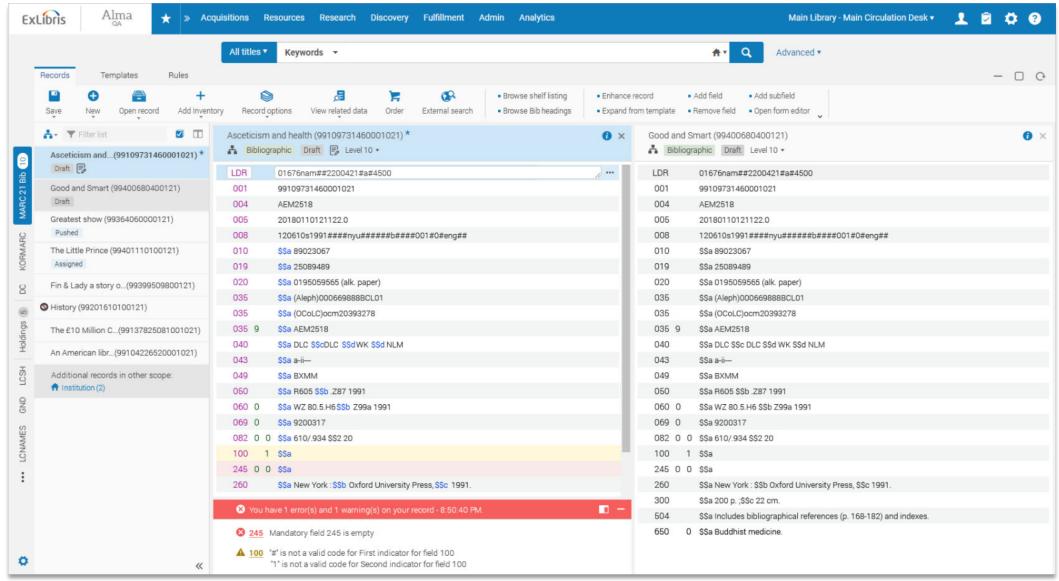
"We see that a faculty member has requested a book. She can get it faster via resource sharing. Would you like to go ahead...?"

#### **ACQUISITION RECOMMENDATIONS**

"There are 7 high demand titles with insufficient copies to provide access. Would you like to consider purchase options?"

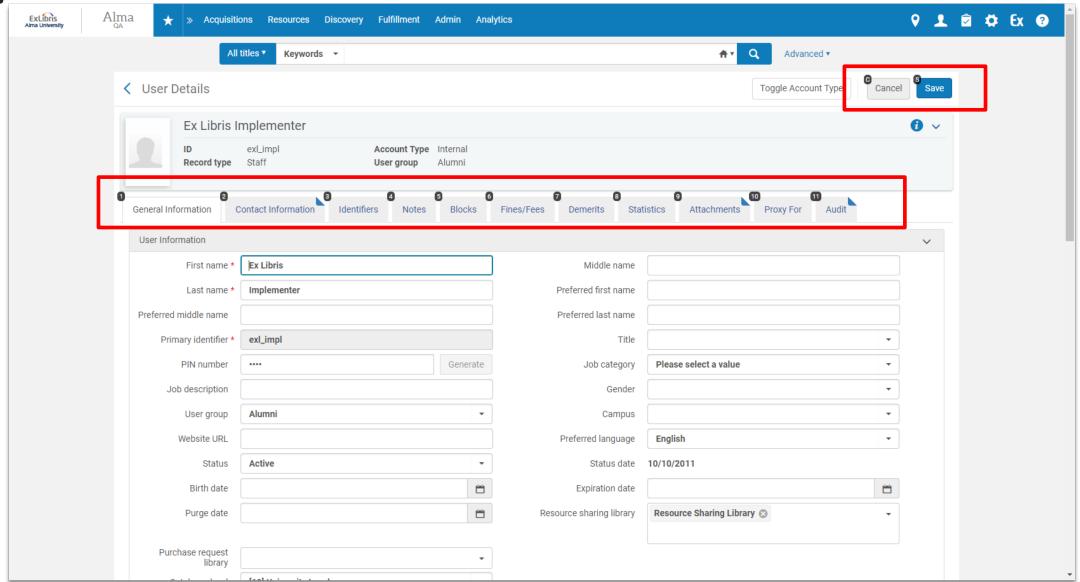


#### **MD** Editor

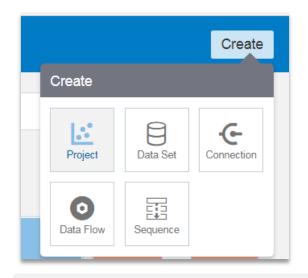


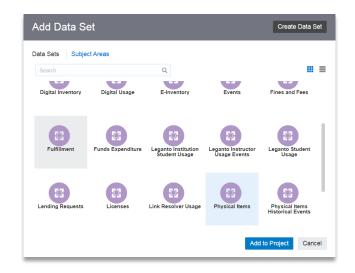


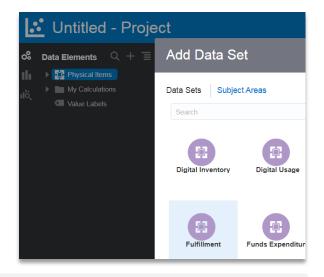
**System Wide Tools: Alt+Tab** 

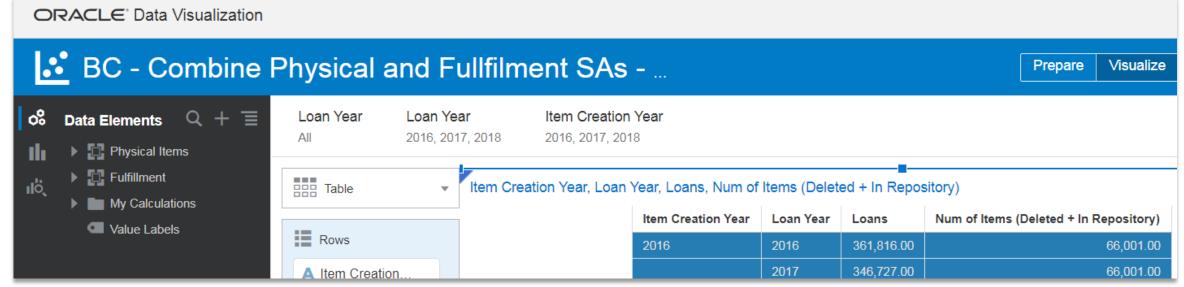


#### **New Analytics!**



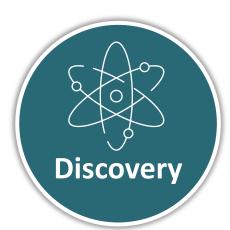












# Serving 3,400+ institutions means serving a large variety of needs... Discovery, your way:



Apply your brand & design



Choose add-ons from the dev. community



Integrate with 3<sup>rd</sup> party services



Access the most relevant content, from any provider



Highlight local & special collections



Manage collaborative networks



Integrate with open source layers



(or implement a feature-rich out-of-the-box discovery...)



#### **Discovery Experience Principles**

#### Research outputs & data

E.g.: Esploro, Fedora, Dspace

#### **Digital repositories**

E.g.: ContentDM, Rosetta

#### **Researcher Profiles**

Esploro, ORCID

#### **Discovery enrichment**

E.g.: Altmetrics, Syndetics

Unbound



#### Video content

E.g.: Alexander Street Press, Kanopy

#### **Publisher content**

E.g.: Gale, Wiley, ProQuest

#### **Open Access content**

E.g.: DOAJ, hybrid collections, IRs

#### **Library catalog**

E.g.: Alma, Sierra, WorldShare



#### Discovery at the heart of users workflows

#### **Library portal**

A gateway to library resources

# Direct search in learning & research services, e.g.:

- Leganto
- RefWorks
- Esploro
- Rosetta
- campusM



# Google, Google Scholar, 3rd party search engines

Improving visibility with Linked data & schema.org

3rd party systems via open APIs





## **Focus Areas**



#### **Data Relations**

- bX Recommender
- Citation Trail
- Contextual relations
- Topic Exploration



#### **Search Experience**

- Collection Discovery
- Newspaper Search
- Control vocabulary
- Resource Recommender



#### **Full Text Access**

- Loading more open Access material to the central index
- Promotion of open access material



#### Ex Libris' smart services for discovery

#### Data intelligence-based service suite

- bX Article Recommender
  - Provides recommendations based on what other users have used
- Citation Trail
  - Allows users to browse to the items that an article cited and that is citing this article
- Topic Exploration
- Relationship Graphs

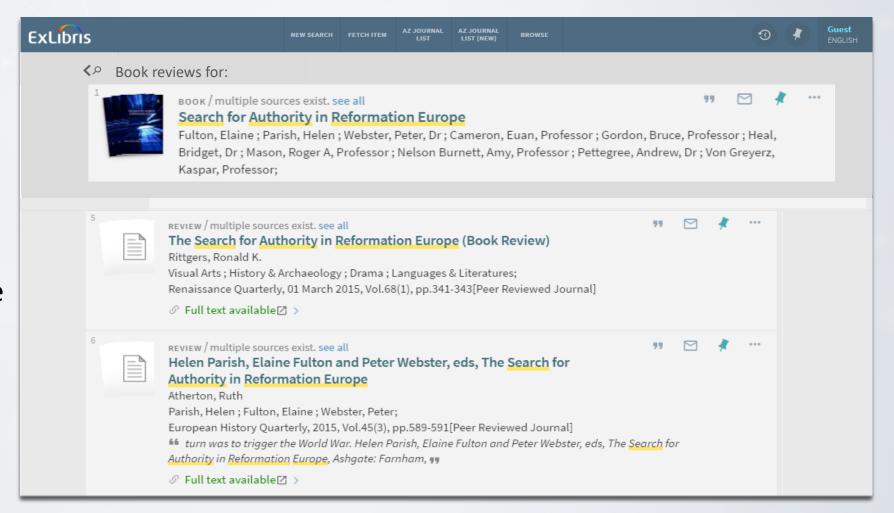




#### **Formal Data Relations: Related Items**

#### Examples:

- Book <-> book review
- Book chapters <->
   other chapters in the
   same book
- Journal articles <->
   other articles from the
   same journal issue
- Other articles from the same author





#### **Lead** with Discovery



#### **Operational efficiency**

- Faster ingest
- Faster updates
- Better quality data
- Single point of activation

### **Central Discovery Index**

Future-ready

Unified index for Primo & Summon

- Primo with Alma or SFX
- Primo VE
- Summon with 360 or Alma

# Focus on data intelligence — Smart services based on contextual relations

III

- Exploration with formal and informal relationships
- Context and glanceability

Rialto leverages a library's data in Alma to support data-driven selection decisions in a user-friendly, streamlined purchasing workflow.

Rialto includes a comprehensive marketplace offering academic content from a variety of publishers and platforms.

### **Next Generation Selection**





#### **Common Pain Points in Selection**

Manual, duplicative and error-prone work across people and systems



Workflows that aren't designed for integrated P&E

Multiple vendor platforms (various data sources, access models, and invoices)



Obsolete approval plans

Low circulation of purchased print **and** uneven shift from P to E



What about new types? Datasets, OA, Streaming Videos,...



Lack of analytics and datadriven decisions





#### The outcome

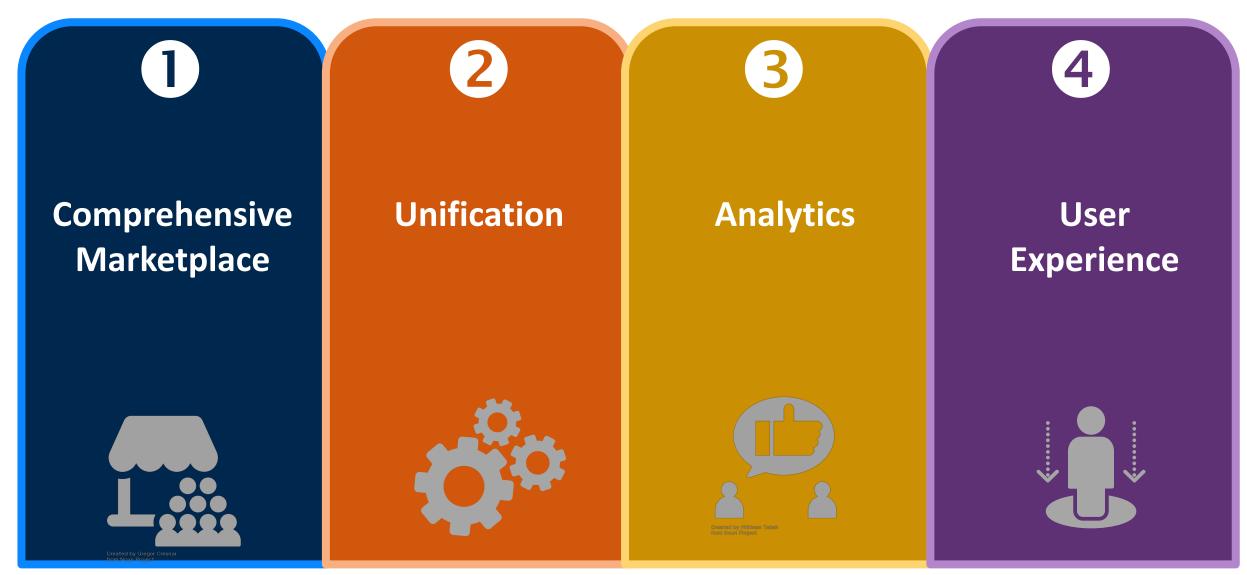
Inefficiencies

- Sub-optimal user experience
- Gaps between what is acquired and what is used (and needed)

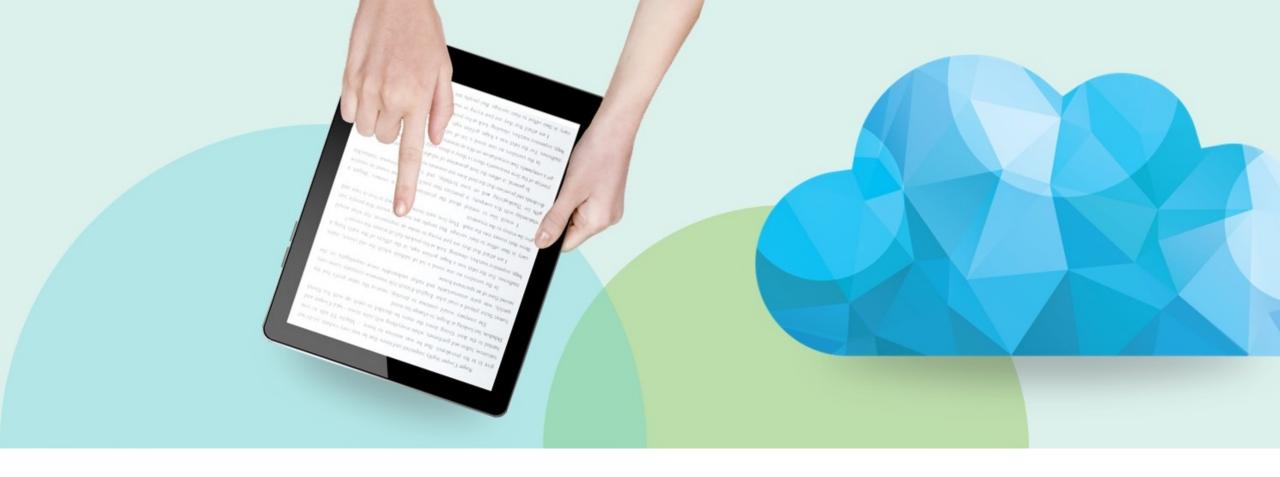




## Rialto's Transformative Approach is Based on Four Concepts





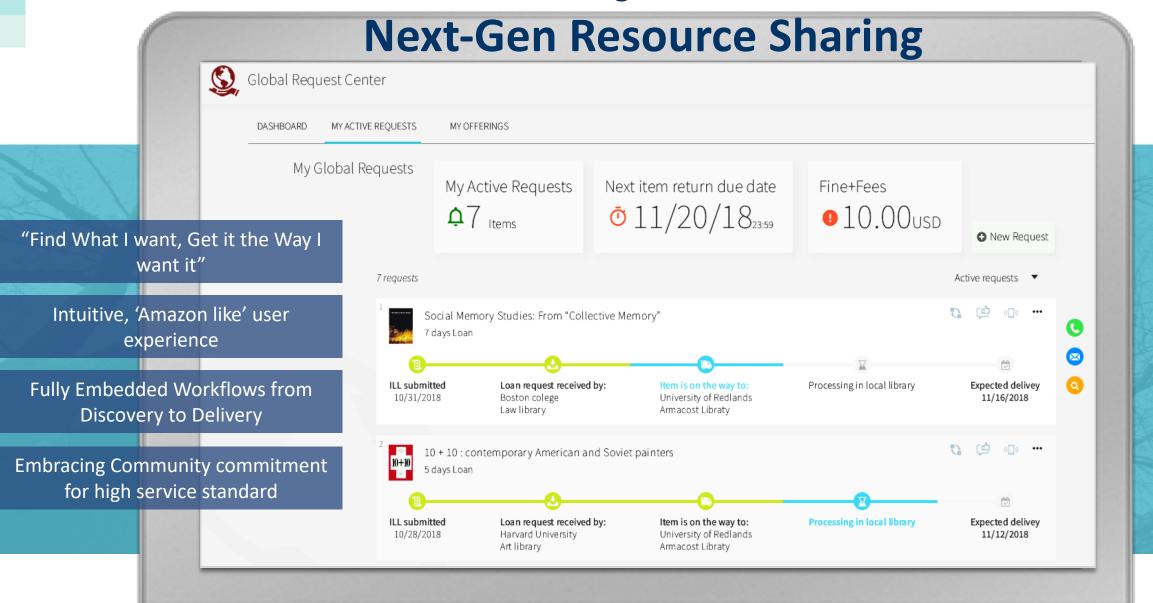


# Introducing.... Next Generation Resource Sharing

"Harvesting the Value of the Cloud"



#### Coming in 2020:





Fast. Accurate. Predictable

Any Type of Media
Delivered Your Way

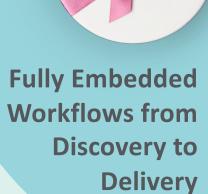




**Next Gen Resource Sharing Platform** 

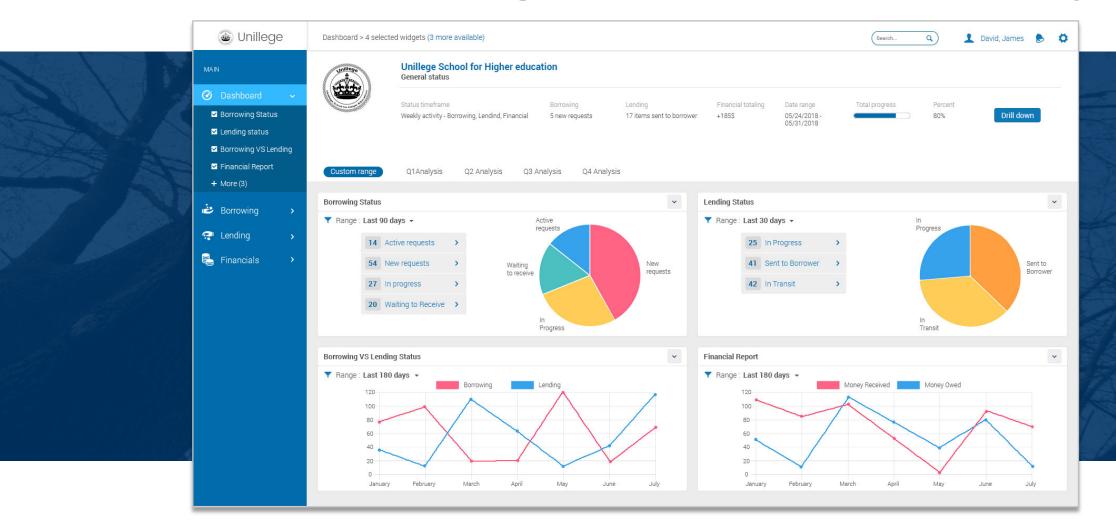






#### **Next Generation Resource Sharing**

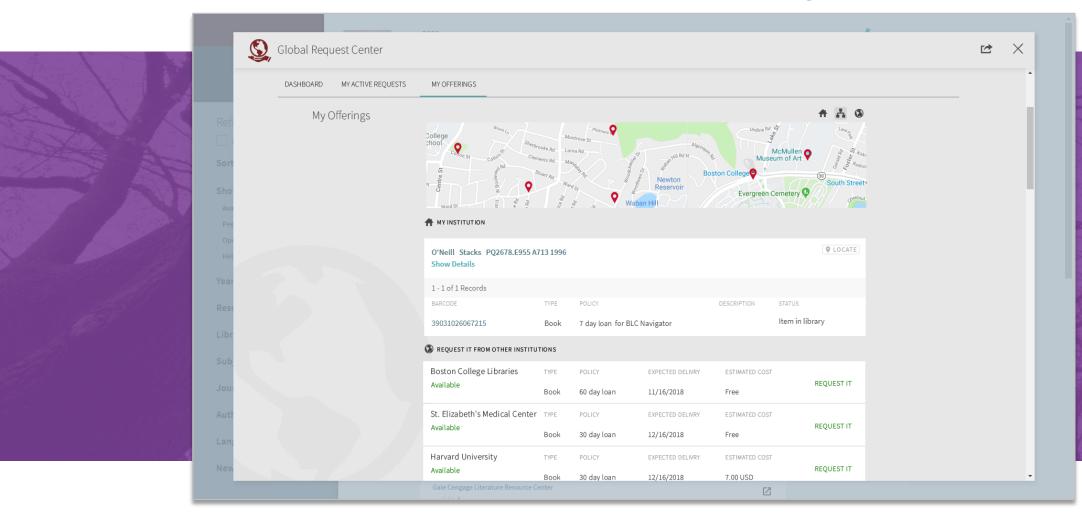
## Resource Sharing Staff Dashboard Example





#### **Next Generation Resource Sharing**

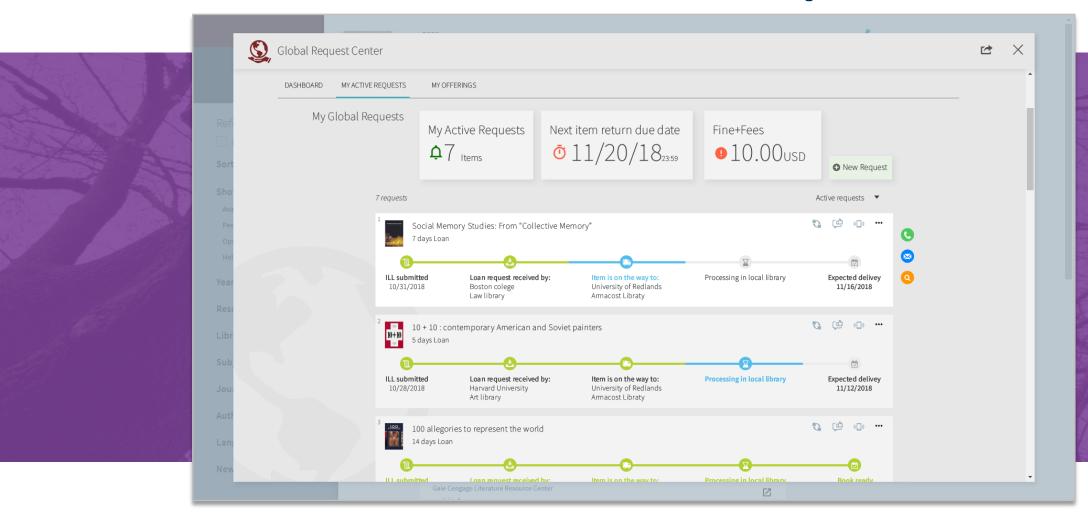
# **Amazon Like Patron Experience**





#### **Next Generation Resource Sharing**

## **Amazon Like Patron Experience**







# Ex Libris Esploro

Your path to greater research impact



## **Navigating the Complexity of Research Processes**







# Researchers Publish, publish, publish (for impact & recognition)

Librarians
Support research
processes

# Research/Provost Office Increase effectiveness of research activities

- Too many systems
- Overhead of working with IRs
- Hard to maintain public profile
- Competition for funding

- Inconsistent, manual workflows
- Multiple systems & data models
- Inconsistent data quality
- Far from the research process
- Discoverability of research assets

- Risk of non-compliance
- Compliance of OA publications
- Visibility to publication metrics
- Interdisciplinary collaborations

Impact on: Visibility, Efficiency, Compliance



#### The Library at the Heart of the Research Process

Leveraging library expertise and technology to better support research activities and enhance collaboration with research stakeholders



#### **Enhancing library productivity**

Deposit workflows

Metadata enhancement tools

Repositories management

Reporting & analytics

Preservation of research assets



#### **Increasing library impact**

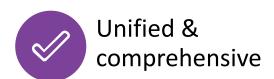
Discoverability of research output & data
Involvement in research processes
Support for institutional compliance
ROI of existing library solutions



# Moving beyond the Traditional Institutional Repository

Capturing a comprehensive record of research assets in a unified, metadata rich, cloud-based repository



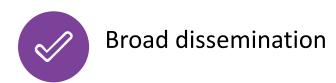














# **Getting the Data – a Changed Paradigm**



More streamlined author archive/deposit interwoven into work process

- Simple, embedded and integrated
- Automated metadata (when possible) and notifications
- Review/edit vs. fill-in forms



More comprehensive automatic capture from external sources

- Published content (e.g. indexed by library discovery)
- Disciplinary and specialized repositories
- National repositories



#### **Metrics and Analytics**

University Policies

**Author Metrics** 

**Citation Metrics** 

Esploro Usage Data **Compliance** Regulations

**Media Reports** 

**Journal Metrics** 

**Altmetrics** 









**Author Metrics** 

**Usage Data** 

Media Reports

**Altmetrics** 

**Citation Metrics** 

**Repository Statistics** 

**Journal Metrics** 

**Connector** 



**Esploro Portals** 

(researcher / library / research office)



APIs

3<sup>rd</sup> Party Reporting Systems





Course resource lists made easy





#### Course resource lists made easy



Easy to set up course reading lists, including all types of materials



Analytics and reports to optimize collection development



Online access to materials and indication of physical location, on any device



Integration with learning management systems and reference management tools



Integrated and automated digitization, acquisition and licensing workflows



Leveraging the power of the Ex Libris Higher-Ed Cloud Platform







Instructors (2) >

3

¥2

0

2 ¥1

# English ▼



My Lists

My Collection 18 items

Notifications 10 new messages

Find Lists

#### Introduction to Health & Human Services

This course explores the current status and history of the human service system, career opportunities and personal considerations, as well as an intro to ongoing research in human services. Required for all continuing on to HHS 220.

📂 HHS 101 (2019) 🗿 Updated a day ago 🗐 19 items in 5 sections 📭 186 Pages

#### Human Service System (Weeks 1-3) (Citations: 5, Pages: 17)

The Human Service System aims to meet human needs through an interdisciplinary focus on prevention as well as remediation of problems, and maintaining a commitment to improving the overall quality of life of service populations. The primary purpose of the human services professional is to assist individual and communities to function as effectively as possible in the major domains of living. This unit will define the human services system and introduce professional competencies.



Health Care: The Largest Human Service System (Due: Jan 15, 2019) ✓ Bracht, Neil, Social Work 19(5), Sep 01, 1974, 532 - 542

Read and be prepared to discuss in class. Pay particular attention to the reasons Bracht gives for the neces... 99 Lecture Reading

Check availability >



Lecture Slides ≪ Goes with next reading. 99

DOCUMENT





Workplace Ethics: Issues for Human Service Professionals in the New Millennium (Due: Jan 17, 2019) 🗸 Kurzman, P.A., in Encyclopedia of Applied Ethics, pp.559-564, by Kurzman, P.A., Elsevier Inc., 559 - 564 This chapter sets the foundation for units 2 & 3 and will be very relevant for your final paper. Pay particular... 99

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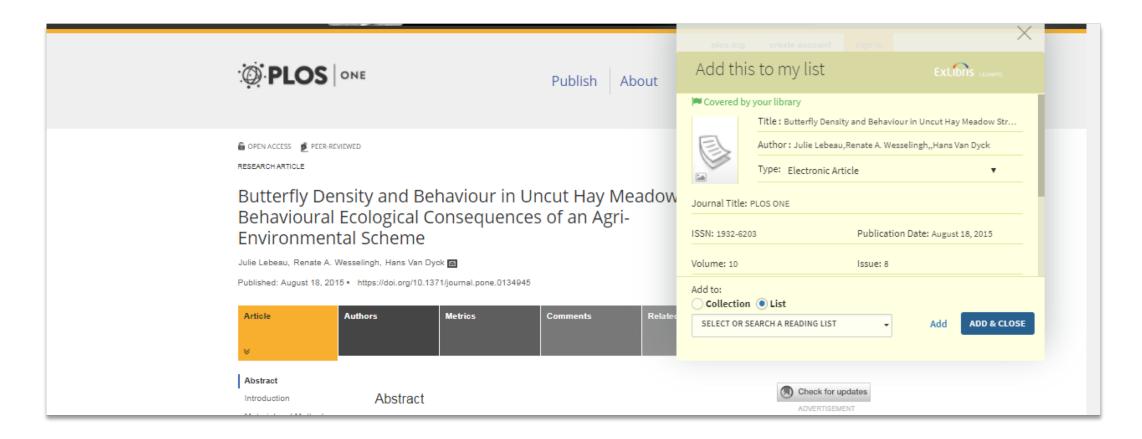




SUBMIT COMMENT Refresh

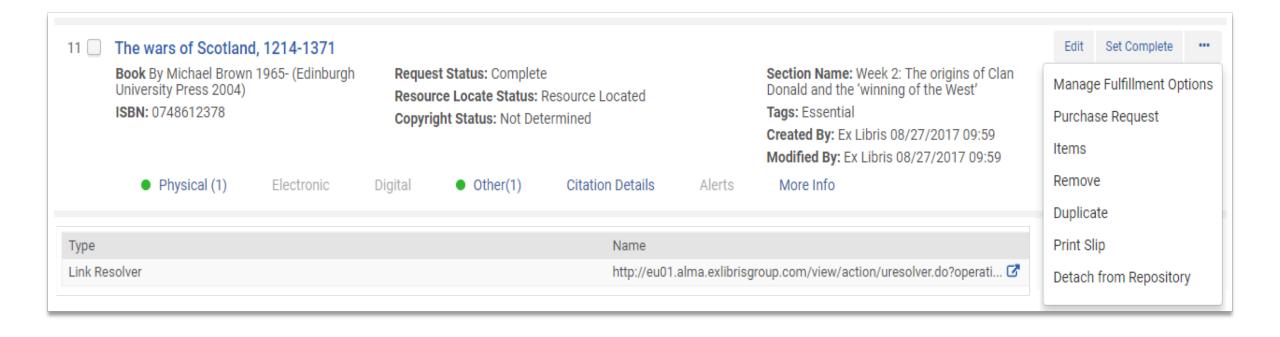


Instructors can add materials to reading lists from scholarly databases, publisher sites, online bookstores, and any web site, and automatically see if materials are already covered by the library





# Initiate library workflows such as purchasing, digitization, and moving inventory directly from Alma





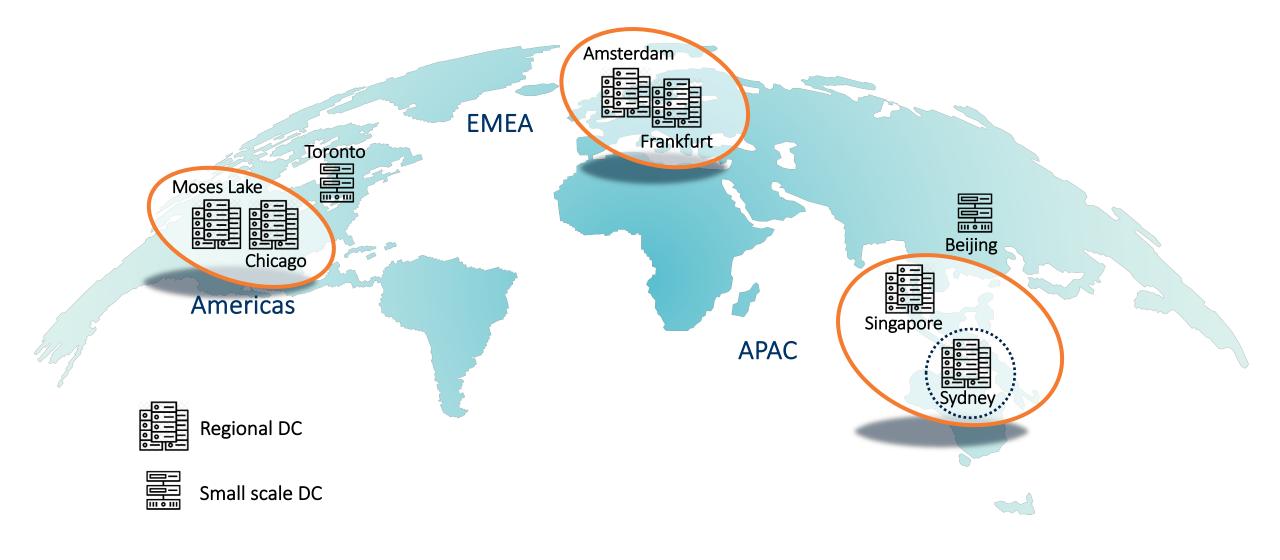
#### **NEW SERVICES: CUSTOMERS IN THE CENTER**



# It's all about you!



#### **Ex Libris Cloud Architecture**





# **Cloud Uptime 2018 - 2019**

	# live institutions	% of customers meeting contractual SLA (99.5%)	% of customers meeting internal SLA (99.9%)
ExLibris Alma	1136	100%	100%
ExLibris	700	Yearly uptime 99.96%	
ExLibris Primo	1413	100%	100%
ExLibris Primo Central	2050	Yearly uptime 99.85%	
ExLibris campusM	79	100%	100%
ExLibris Leganto	87	100%	100%
EXLIDIS RefWorks	1600	Yearly uptime 99.77%	
		4000/ 07 01/07/01/17/01/17	000/ 07 01/0701470

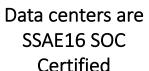
100% OF CUSTOMERS MET CONTRACTUAL SLA

>99% OF CUSTOMERS MET INTERNAL SLA

### **Certified with Strong Security and Privacy Standards**

2013 2014 2015 2016 2017 2018 2019 22301:2012 ISO 27017:2015 27001 27018:2014 Federal Risk Security Security Privacy in Cloud Business Authorization framework the Cloud framework Security Continuity Management For Cloud for Ex Libris Management System Alma/Primo Tailored **SAS70 SSAE 16** SSAE 18 Certified

Data centers are SAS 70



Data Center are SSAE18 SOC Certified





#### **In-Case Feedback**

Encouraging customers to add feedback regarding open cases

Review by Ex Libris support management, and circling back to customer



Visible to Support analysts

Does not replace escalations or case surveys

One week SLA response time

# EX LIBRIS COMMITMENT TO IMPROVE BASED ON CUSTOMER FEEDBACK



#### **In-Case Feedback**

#### Main Takeaways



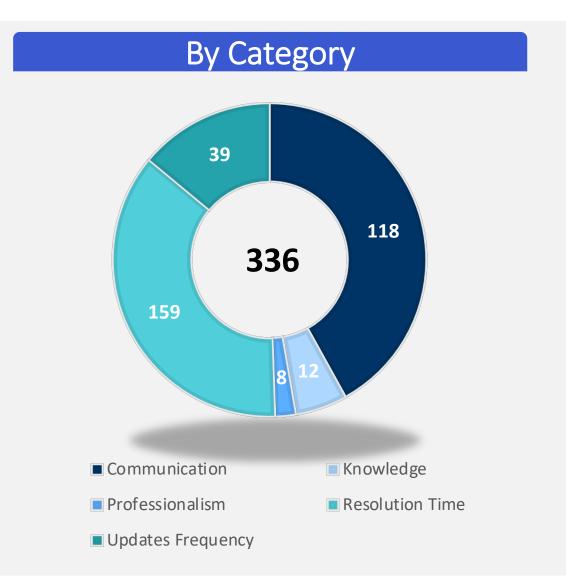
Communication frequency



Quality of communication



Resolution time





# **Opening Knowledge Center for Customer Contribution**

Building a knowledge community together with our customers

Leveraging the knowledge center advantages to customer contribution

Recognizing customers contributing knowledge to the community

Elevating the customer's knowledge to a central and visible place in the CKC

"AN INVESTMENT IN KNOWLEDGE PAYS THE BEST INTEREST" Benjamin Franklin





# Introducing: Ask the expert

#### Alma users will be able to consult an expert from within the Alma UI



# Who is an expert

- Alma user
- From any institution
- Also Ex Libris
   Representatives



# Becoming an expert

- Voluntary
- Define areas of expertise (e.g. Acquisitions)



#### **List of experts**

- Online Availability
- Filtered by area according to the page in Alma



# Consulting an expert

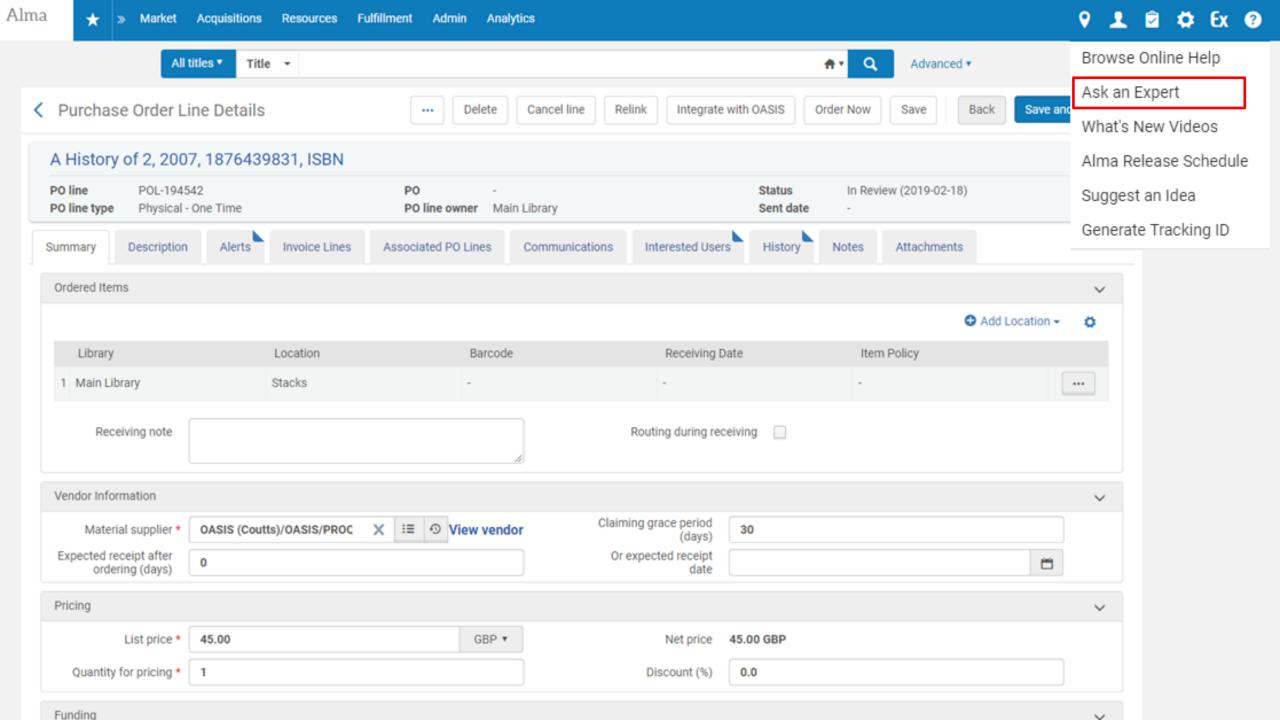
 By choosing "Ask an expert"

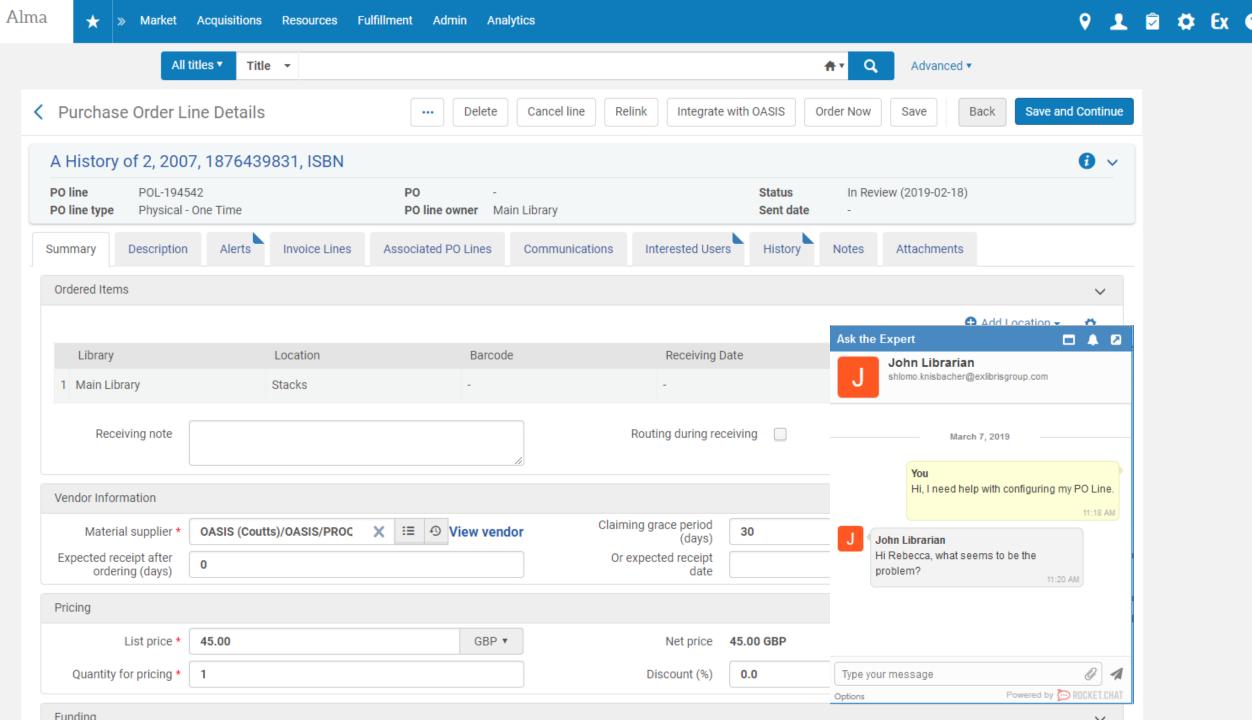


#### **Consultation**

Using chat

























# Ex Libris AppCenter

Supercharge your Ex Libris solutions with apps developed by the community





#### SpineOMatic: Print Spine Labels

Benjamin Florin | Alma | Type: Extension



SpineOMatic v7.0 is a Windows application that works with Ex Libris' Alma to print spine labels, pocket labels, flag slips and other custom labels to a variety of desktop or networked printers, singly or in batches. Installation is easy–just download the...

#### Custom text and link to PCI when no search results

Sarah Johnston | Primo | Type: Add-on



Add custom text and an option to expand results to PCI when no records retrieved.

# It's all about data quality

Objective

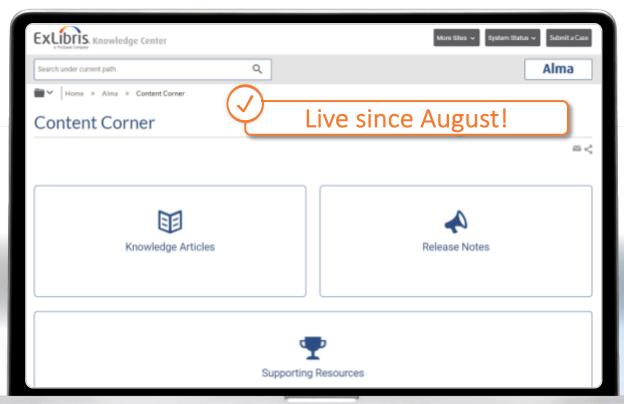
# Accurate and up-to-date content representation in the Community Zone

Introducing...



#### **Content Visibility**





Content Enhancement Plans

Searchable Content-Only Release Notes

New Content-specific Knowledge Articles

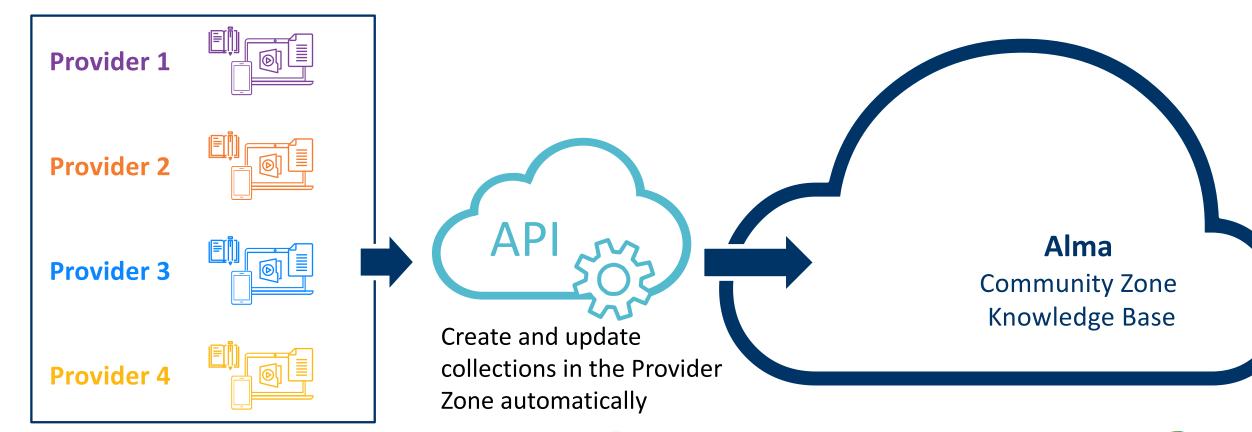






#### **Provider Zone**

Enables content Providers to access, add and update their Content Offerings directly and automatically within the Alma Community Zone to best reflect the collections and databases available to our mutual customers





# Thank you!



