



Alma Openness and External Integrations

Erez Shabo | Alma Product Owner



Our Vision of Openness



Strong, Feature-Rich Library Platform

Being open is all about listening and collaborating with the community, enabling them to simply do with no limitations

Being Open

Search under current path Alma

Home > Alma

- Product Documentation**
Access the latest documentation for Ex Libris products
- Best Practices and How-Tos**
Access a library of valuable how-to, workflow best practices, and learn how to get the most out of Alma
- Release Notes**
Stay informed about the features and capabilities included in each product release
- Training**
Learn new skills and get certified with our tutorials, recorded training and other materials
- LibGuide**
An index of our most popular training materials, organized by functionality area, all on the familiar LibGuide platform.
- Community Knowledge**
Learn from other customers' experience, access customer contributed articles and share your own expertise

Standards Support

Open Interoperability Standards

Open standards enable systems to interoperate and exchange data. Open standards, at their best, are well-defined and allow systems to work together without additional development. This type of "integration by configuration" provides efficient ways for customers to meet their goals while minimizing investment in custom scripts and converters.



Ex Libris strives to implement support for standards which have been adopted by the industry. We also believe that members of an open community should contribute to the standards process, and our employees volunteer to take an active role in many organizations and standards bodies.

This "standards dashboard" provides an overview of Ex Libris's support for open standards in its flagship products and lists standards organizations in which Ex Libris staff actively contribute.

Comments on this page are welcome - please use the General Forum.

Ex Libris
THE POWER OF CONNECTIVITY

2,171,291,023
January 2022 - To Date
API Calls

Use the power of open APIs to connect your library to the academic ecosystem to improve user experience, enhance efficiencies, and provide greater value to the academic institution. This live dashboard presents how the Ex Libris community uses Ex Libris APIs in real time.

Ex Libris Part of Clarivate
DEVELOPER NETWORK

Learn Documentation
Build My APIs
Share Blog
Ask Forum
Discover App Center

Extend. Ex Libris.

Build your solutions with APIs, system integrations, and standards support.

Cloud Apps
Learn about the framework for building apps that run inside the Ex Libris platform

Main Library Department Acquisitions

Cloud App Center

Installed Apps Available Apps

- E-Collection Quick Update**
Easily update a list of e-collection records
- Hathitrust Availability**
Shows availability in Hathitrust for displayed records
- Cloud App Tutorials**
Accompanying code for the Cloud App tutorials in the Developer Network
- Role Toggler**
Quickly activate/deactivate a user's roles.
- Alma CSV User Load**
Load users from comma-separated file
- Invoice Line Tax Calculator**
Add tax to invoice lines
- Receive New Serial Items**
Quickly receive new serial issues

Organization Ca
Select Library
Alma Unives
July 1
Wednesday
Closed

Quality Feedback

How to Benefit from Alma's Openness



**COMMUNICATE
& SHARE**
Publishing
APIs



**ENHANCE
METADATA**
External search
Import & copy
cataloging

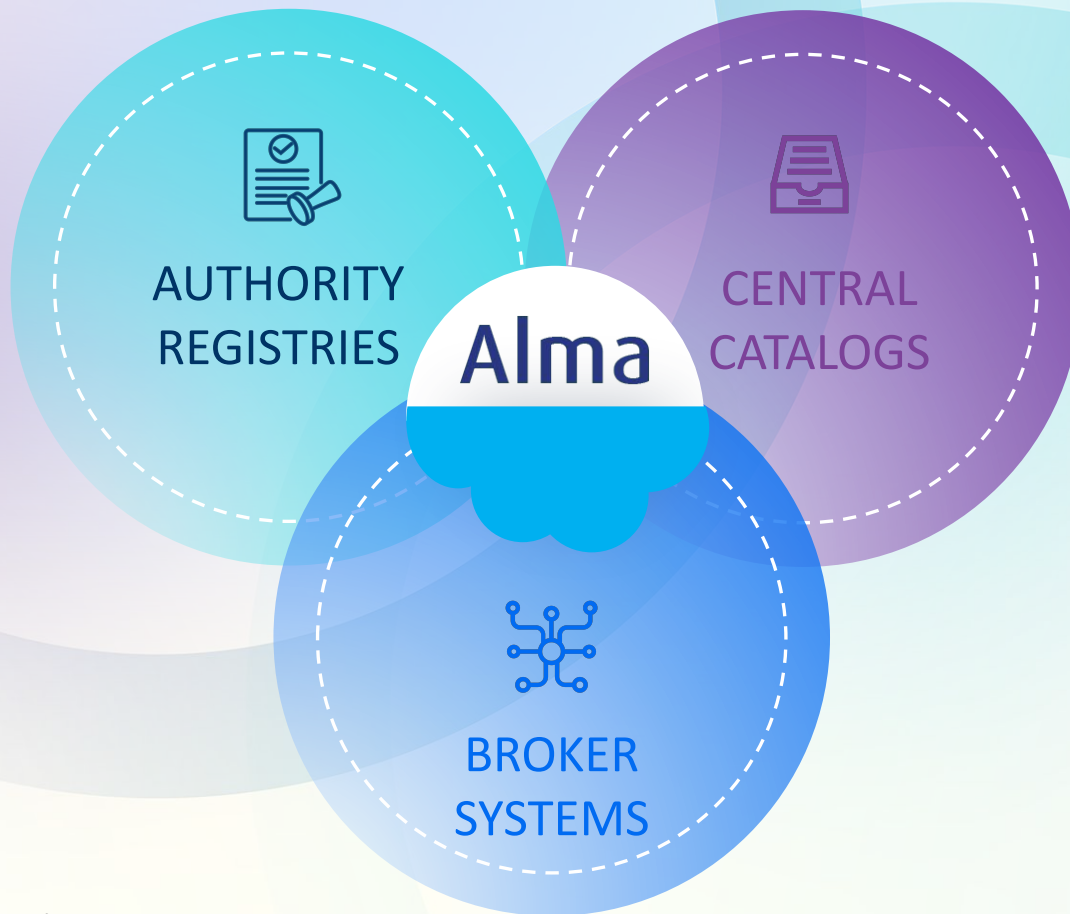


**EXPAND
FUNCTIONALITIES**
Cloud Apps



**INTEGRATE
& CONNECT**
Integration with
external
systems

The ABC's of Integration with External Systems

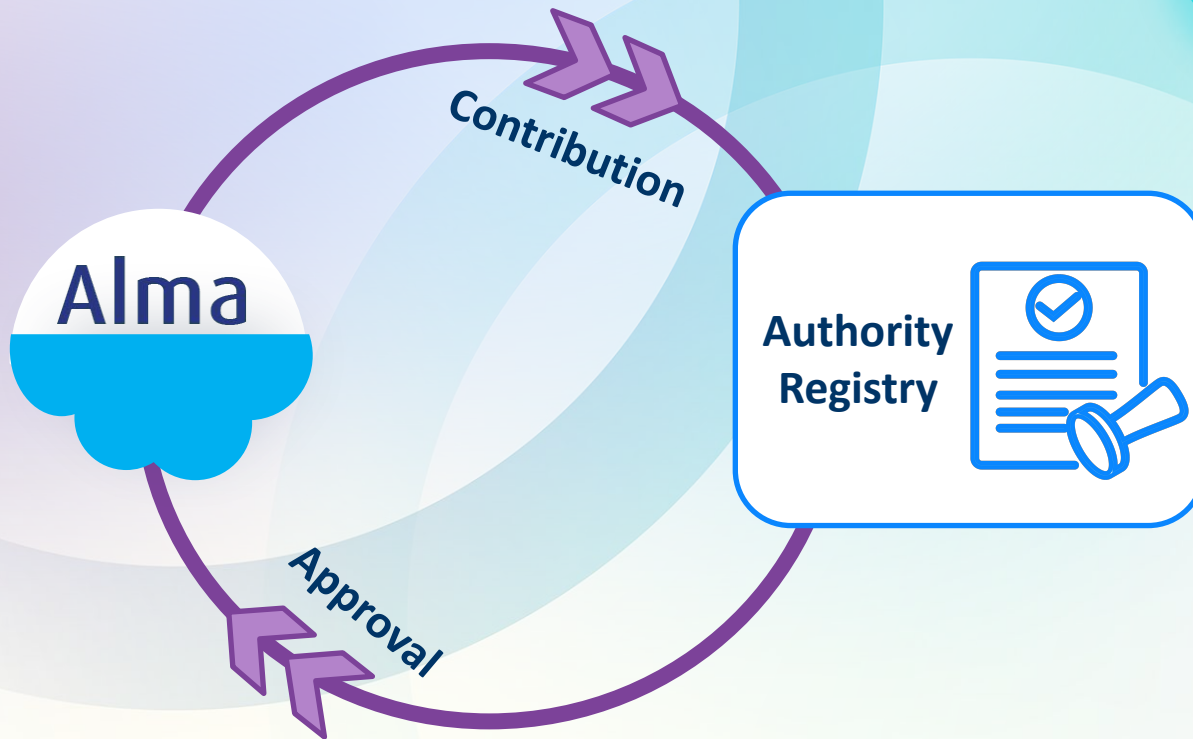


Authority Registries



- Many Authorities are maintained and managed in the Alma Community Zone by Ex Libris
- Unique authorities are contributed by institutions to the Community Zone (BARE, GND, NLI)

Unique Authority Contribution



Broker Systems



- Resource sharing models in Alma: Peer-to-Peer vs. Broker systems
- Integrated broker systems :
 - **OCLC: ILLiad / Tipasa / WorldShare ILL** – NCIP (V2.0) / API
 - **RapidILL** – create borrowing/lending requests using the RapidILL API
 - **Relais D2D/ILL** – Z39.50 (OPAC) / NCIP (V2.0)
 - **INN-Reach** – sync resource sharing requests using INN-Reach API
 - **SLNP** – communication with the ZFL server for the resource sharing workflow in Germany
 - **NACSIS-ILL** – create borrowing and lending requests in NACSIS-ILL system
 - **NETPUNKT** – ILL services provided by the Danish Bibliographic Center

Central Catalogs



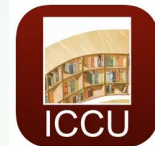
- SBN
- CALIS
- KERIS
- NACSIS-CAT



KOREA EDUCATION AND RESEARCH
INFORMATION SERVICE



NACSIS-CAT/ILL



ExLibris
Part of Clarivate

Central Catalogs



- SBN - Italian Union Catalogue
 - Level 1: Search in central catalog within Alma
 - Level 2: Copy cataloging
 - Level 3: Contribution of Bibliographic/Authority records to SBN
 - Level 4: Alignment of changes to Alma

Level 1: Search in SBN within Alma



The screenshot displays the ExLibris Alma interface. At the top, the 'ExLibris' logo is on the left, and a search bar contains 'All titles' and 'Keywords'. The main navigation bar includes 'None', a user profile icon, a notification bell with '6', 'EX', a help icon, a chat icon, a refresh icon, and a menu icon. Below this, a secondary bar contains 'Save', 'New', 'Record Actions', 'Editing Actions', 'Add Inventory', 'View Related Data', 'Order', 'Search & Browse', and 'Old Editor'. The 'Records List' section is active, showing a 'Search Resources' dialog box. The dialog has a 'Search Cataloging Profile' dropdown set to 'SBN' and a 'Search' dropdown menu open. The search dropdown lists 'SBN Bibliographic Records' (highlighted) and 'SBN Authority Records'. Below the search dropdown, there is a list of checkboxes for various cataloging profiles: 'CercaDatiTit(1)', 'CercaDatiTit(2)', 'CercaDatiTit(3)', 'CercaDocMusicaType', 'CercaDocGraficaType', 'CercaDocCartograficoType', 'CercaDocAudiovisivoType', 'CercaDocElettronicoType', 'ElementoAutLegato', and 'ArrivoLegame'. At the bottom of the dialog are 'Clear' and 'Search' buttons. On the left side of the interface, a vertical sidebar contains icons for 'Alma QA', 'Acquisitions', 'Resources', 'Discovery', 'Fulfillment', 'Admin', 'Analytics', 'Hide MDE', and 'Configuration'.

Level 1: Search in SBN within Alma



ExLibris

All titles | Keywords | Home | Search | None | 6 | Ex | ? | Chat | Refresh | More

Records List | Save | New | Record Actions | Editing Actions | Add Inventory | View Related Data | Order | Search & Browse | Old Editor

Search Resources

Search Cataloging Profile: SBN | Search: SBN Bibliographic Records

CercaDatiTit(1)

BID	<input type="text"/>				
NumSTD					
tipoStd	None	numeroStd	<input type="text"/>		
paeseStd	<input type="text"/>	notaStd	<input type="text"/>		
TitoloCerca					
stringa	<input type="text"/>				
titoloCLET	<input type="text"/>				
editoreKey	<input type="text"/>				
Tipo Ord	1 = BID				
TipoCerca	Moderno				
impronta (012)					
1a parte	<input type="text"/>	2a parte	<input type="text"/>	data+codice data	<input type="text"/>
nota	<input type="text"/>				
T140					
a 140 9	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Hide MDE | Configuration

Level 2: Copy Cataloging from SBN



Search Resources

Search Cataloging: SBN
Profile: CercaDatiTit(1)

BID:

NumSTD:

tipoStd: None | numeroStd:

paeseStd: | notaStd:

TitoloCerca: stringa: **italy ***

titoloCLET:

editoreKey:

Tipo Ord: 1 = BID

TipoCerca: Moderno

Impronta (012):
1a parte: 2a parte: data+codice data:
nota:

Search Resources Results

SBN(986)

1 - 10 of 986 Records | 1 2 ... 99 > | 1 of 99 | Go

- 1 **Italy : a complete guide to 1,000 cities, towns landmarks, with 80 regional tours / Touring Club of Italy**
By *Touring *club *italiano (Book TCI, Milano, c1997)
Other System Number: (SBN)AQ10023954 [View](#) [Import](#)
- 2 1: **Italy : Agrigento to Novara / compiled by Paul Oskar Kristeller**
By Kristeller, Paul Oskar (Book The Warburg Institute : Brill, London Leiden, 1965)
Other System Number: (SBN)AQ10050079 [View](#) [Import](#)
- 3 **Italy and its monarchy / Denis Mack Smith**
By Mack Smith, Denis (Book Yale University Press, New Haven London, ©1989)
Other System Number: (SBN)BVE0001876 [View](#) [Import](#)
- 4 **Italy : a short history / Harry Hearder**
By Hearder, Harry (Book Cambridge University Press, Cambridge [etc.], 1990)
Other System Number: (SBN)BVE0003976 [View](#) [Import](#)
- 5 **Italy : a grand tour for the modern traveller / Charles FitzRoy**
By FitzRoy, Charles (Book Macmillan, London, 1991)
Other System Number: (SBN)BVE0009391 [View](#) [Import](#)

Level 3: Contribution of a Record to SBN



The screenshot displays the ExLibris Alma interface. On the left is a navigation sidebar with icons for Alma, Acquisitions, Resources, Discovery, Fulfillment, Admin, Analytics, Hide MDE, and Configuration. The main area shows a 'Records List' with columns for LDR, record ID, and call number. A context menu is open over the list, with the option 'Contribute Record to Central Catalog' (Ctrl+Alt+C) highlighted with a red box. The menu also includes options like 'Release Record', 'Duplicate Record', 'Merge & Combine', and 'Suppress from Discovery'. The background shows a record editor for 'Touring Club of Italy'.

Level 4: Alignment of changes to Alma

Central Catalogs



- CALIS (China Academic Library & Information System)
 - Contribution of MARC21 or CNMARC bibliographic records
- KERIS (Korean Education Research Information Service)
 - Sharing of holdings information for ILL purposes
- NACSIS-CAT (Japanese central catalog)
 - Search and Copy Cataloging
 - Contribution of Bib/Auth records
 - View graphical representation of a record life cycle
 - Manage member information

NACISIS Cloud App: Search and Copy Cataloging



Welcome, Staff, Ex Libris (Staff, Ex Libris) | 2022/09/01

Recent Pages

- Monitor Jobs Administration
- Customer Parameters Administration
- Publishing Profiles Discovery

アイテム冊数 (12か月間)

Open in a new window

Tasks

- 1 Purchase Requests
- 1 Borrowing Requests
- 6 Lending Requests
- 1715 Order Lines
- 20 Invoices
- 40 Electronic Resources

NACISIS-CAT/ILL

This app includes all functionalities within NACISIS-CAT/ILL

- Holdings: NACISIS holding information management
- Catalog: Search and Copy cataloging NACISIS Bib/Auth records
- Members: NACISIS members information management
- ILL Request: NACISIS borrowing request creation

English | 日本語

NACISIS Cloud App: Search and Copy Cataloging



The screenshot displays the NACISIS Cloud App interface. The main window shows a dashboard with a navigation menu on the left, a 'Welcome, Staff, Ex Libris (Staff, Ex Libris)' header, and a 'Recent Pages' section. Below this, there is a section for 'アイテム冊数 (12か月間)' (Item count (12 months)) and a 'Tasks' section with a list of pending requests.

An inset window titled 'NACISIS-CAT/ILL' is shown on the right, which is a search interface. It includes a search bar with the text 'Japanese history' entered. Below the search bar, there are several input fields for cataloging metadata, including FTITLE, PTBL, AUTH, VOL, AKEY, PUB, YEAR, PLACE, CENTRY, LANG, SH, and others. The search bar and the 'TITLE' field are highlighted with a blue border, and the entire inset window is outlined in red.

NAC SIS Cloud App: Search and Copy Cataloging



The screenshot displays the NAC SIS Cloud App interface. The main header shows 'Welcome, Staff, Ex Libris (Staff, Ex Libris)' and the date '2022/09/01'. Below the header, there are navigation tabs for 'Recent Pages', 'Monitor Jobs Administration', 'Customer Parameters Administration', and 'Publishing Profiles Discovery'. The main content area is divided into two sections: 'アイテム冊数 (12か月間)' (Item count (12 months)) and 'Tasks'. The 'Tasks' section lists various requests: 1 Purchase Requests, 1 Borrowing Requests, 6 Lending Requests, 1719 Order Lines, 20 Invoices, and 40 Electronic Resources. On the right side, a search results window is open, showing 'NAC SIS-CAT/ILL' search results. The search results include a list of records, with the first record highlighted: '1 Papers on Portuguese, Dutch, and Jesuit influences in 16th- and 17th-century Japan : writings of Charles Ralph Boxer / compiled by Michael Moscato'. The record details include the author 'By Boxer, C. R. (Charles Ralph), 1904-', the publisher 'University Publications of America', the year 'eng : 1979', the NAC SIS ID 'BA00120990', the ISBN '0890932557', the series 'Japan studies. Studies in Japanese history and civilization', and the subjects 'Japan -- Civilization -- Occidental influences', 'Japan -- Relations -- Europe -- Addresses, essays, lectures', and 'Europe -- Relations -- Japan -- Addresses, essays, lectures and others'. The interface also shows a language selector at the bottom right, set to 'English | 日本語'.

NACSIS Cloud App: Search and Copy Cataloging



Back to App List

NACSIS-CAT/ILL

Back to menu Clear Search

Search records in NACSIS central catalog

Monographs Serials Names Uniform Titles

Refine Search

Records (2023)

1 **Papers on Portuguese, Dutch, and Jesuit influences in 16th- and 17th-century Japan : writings of Charles Ralph Boxer / compiled by Michael Moscato** ...

By Boxer, C. R. (Charles Ralph), 1904- (Book University Publications of America , eng ; 1979)
NACSIS ID: BA00120990
ISBN: 0890932557
Series title: Japan studies. ; Studies in Japanese history and civilization
Subjects: Japan -- Civilization -- Occidental influences
Japan -- Relations -- Europe -- Addresses, essays, lectures
Europe -- Relations -- Japan -- Addresses, essays, lectures and others

View
Import
View Holdings

2 **Imperial cities : the capitals of Japan from the oldest times until 1229 / writings of Richard A. Ponsoy-Fane ; compiled by Michael Moscato** ...

By Ponsoy-Fane, Richard Arthur Brabazon, 1878-1937 (Book University Publications of America , eng ; 1979)
NACSIS ID: BA00121111
ISBN: 0890932614
Series title: Japan studies. ; Studies in Japanese history and civilization
Subjects: Palaces -- Japan -- History
Cities and towns -- Japan -- History
Japan -- History -- To 1333 and others

3 **The Japanese automobile industry : technology and management at Nissan and Toyota / Michael A. Cusumano** ...

By Cusumano, Michael A., 1954- (Book Council on East Asian Studies, Harvard University : Distributed by the Harvard University Press , eng ; 1985 - :pbk.)
NACSIS ID: BA00156193

English | 日本語

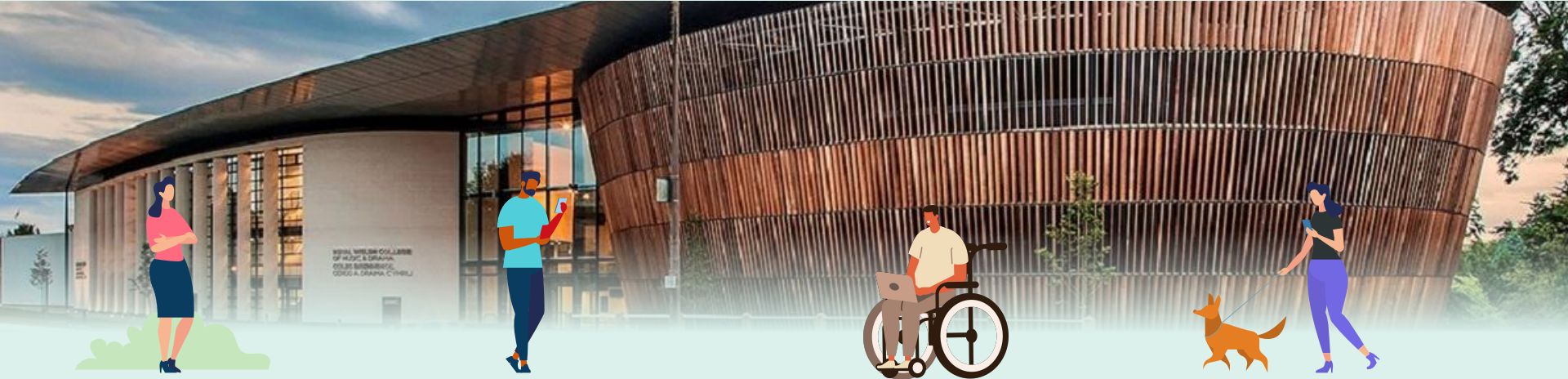
The ABC's of Integration with External Systems

Extending Alma openness for better
connectivity, engagement and collaboration

The diagram features the Alma logo at the center, which is a white cloud with the word 'Alma' in blue. It is surrounded by three overlapping circles with dashed borders: a light blue circle on the left labeled 'AUTHORITY REGISTRIES' with a book icon, a purple circle on the right labeled 'CENTRAL CATALOGS' with a book icon, and a blue circle at the bottom labeled 'END USER SYSTEMS' with a network icon. The background consists of large, overlapping circles in shades of purple and teal.



Q & A



Thank you!

Erez.Shabo@Clarivate.com

