
Best Practice Toolkit: Alma API

What is it?

Alma REST APIs (**RE**presentational **S**tate **T**ransfer **A**pplication **P**rogramming Interface) provide access^[AC1] to data and workflows stored in Alma. REST APIs enable institutions to integrate Ex Libris solutions with local systems, create innovative services, increase the value of the library and help meet the institution's goals and objectives.

REST APIs can use these HTTP protocols, such as:

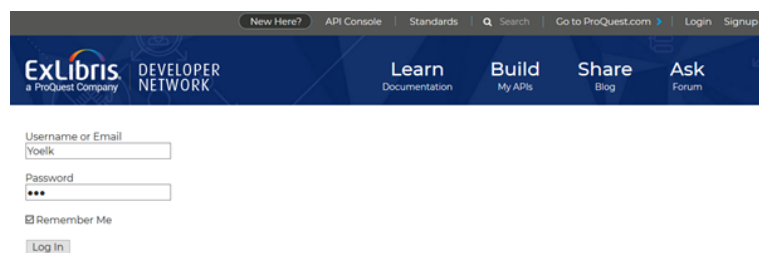
- GET (read data)
- POST (write data)
- DELETE (delete data)
- PUT (update/replace data)

Ex Libris has created a wide range of Alma REST APIs including:

- Acquisitions
- Analytics
- Bibliographic Records and Inventory
- Configuration and Administration
- Courses
- Provider Zone
- Electronic Resources
- Resource Sharing Partners
- Task Lists
- Users and Fulfillment

Where is it?

Try the API by logging in here with the credentials provided to you: <https://developers.exlibrisgroup.com/alma/apis/>



Username or Email
Yoelk

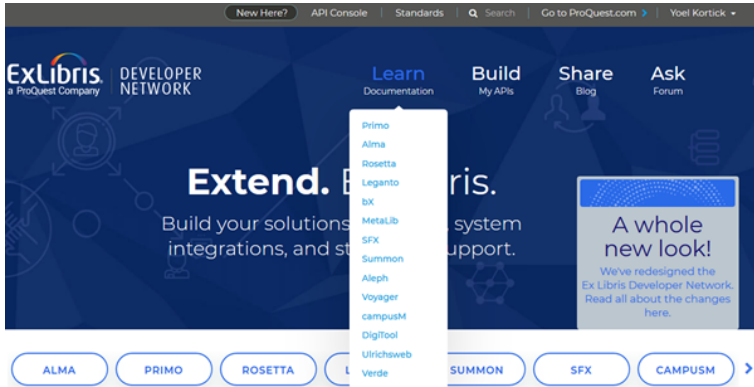
Password
•••

Remember Me

Log In

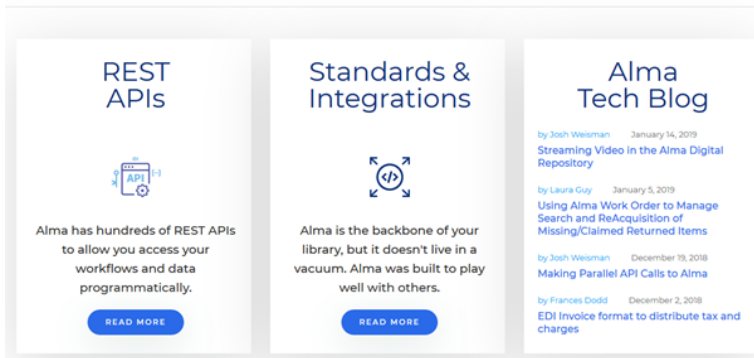
To use REST APIs:

Choose the Alma documentation in the Learn tab.

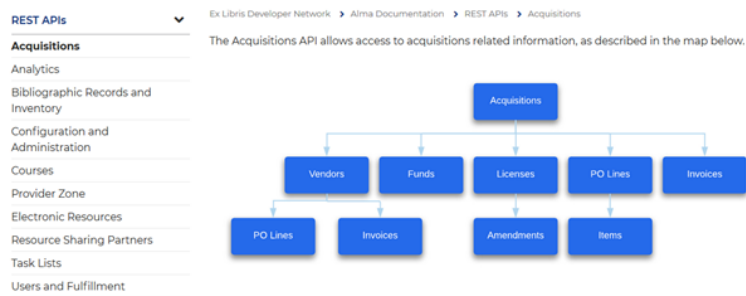


Click Read more under the Alma REST API tab.

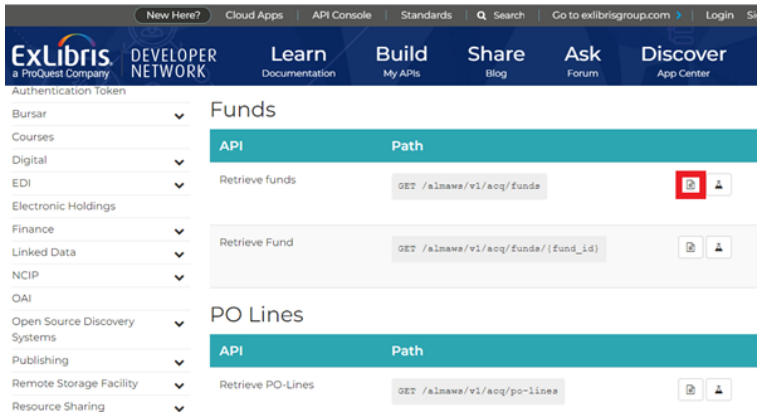
Alma Documentation



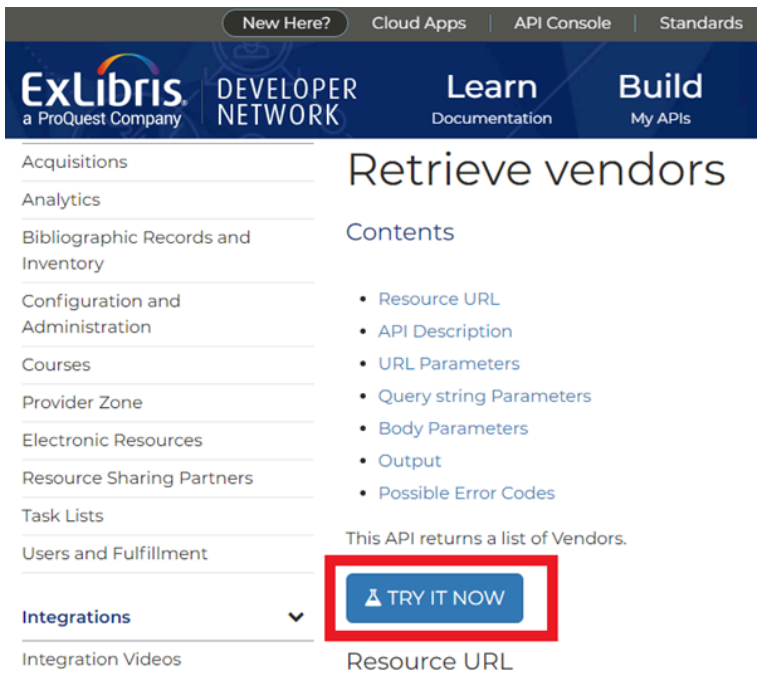
Choose the areas you are interested in on the left:



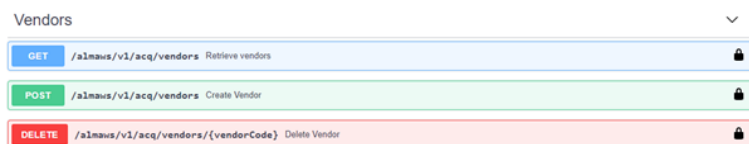
Click View Doc on the right-hand side on the API row.



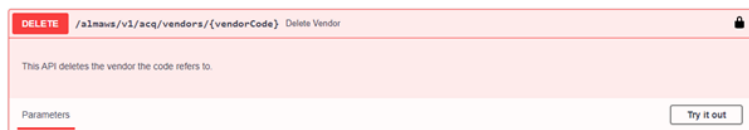
Click Try it Now:



This brings you to the API console page. Click the API that you want to try:



Review the input parameter and response objects, click Try it out on the right to input the specified parameters and desired return format.



Click Execute.

Name	Description
vendorCode * required	Specific vendor code
string (path)	<input type="text" value="vendorCode - Specific vendor code"/>

Execute

View the results, curl, request URL and syntax. You can copy or download the response body.

Request URL

```
https://api-eu.hosted.exlibrisgroup.com/alma/v1/acq/po-lines?author=Safrani&status=CLOSED&limit=10&offset=0&order_by=title&direction=desc&acquisition_method=ALL&library=OLIN&main_expected_arrival_date=2018-11-08&max_expected_arrival_date=2018-11-10&apikey=
```

Server response

Code **Details**

200

Response body

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<qo_lines total_record_count="1">
  <qo_line link="https://api-eu.hosted.exlibrisgroup.com/alma/v1/acq/po-lines/POL-45022">
    <number>POL-45022</number>
    <catalog_desc>"Closed"</catalog_desc>
    <owner_desc>"Main Library"</owner_desc>
    <type_desc>"Physical - One Time"</type_desc>
    <vendor_desc>"J and S Ltd. (Formerly &quot;Johnson and Smith Ltd.&quot;)"</vendor_desc>
    <vendor_account>"J_S_MLIBC/vendor_account"</vendor_account>
    <vendor_reference_number></vendor_reference_number>
    <vendor_reference_number></vendor_reference_number>
    <source_type_desc>"API"</source_type_desc>
    <qo_number>POL-45022</qo_number>
    <resource_metadata>
      <ama_id link="https://api-eu.hosted.exlibrisgroup.com/alma/v1/bibs/99157011100121">99157011100121</ama_id>
      <title>"French librarians in the mid 17th century"</title>
    </resource_metadata>
  </qo_line>
</qo_lines>
```

The Curl or Request URL can be used as syntax for applications with which your institution is integrating.

Responses

Curl

```
curl -X DELETE "https://api-eu.hosted.exlibrisgroup.com/alma/v1/acq/vendors/181518?apikey=17x2af7939c63424511946efcd35fe22a" -H "accept: */*"
```

Request URL

```
https://api-eu.hosted.exlibrisgroup.com/alma/v1/acq/vendors/181518?apikey=17x2af7939c63424511946efcd35fe22a
```


To create and manage my own APIs

Go to the Build my APIs tab on the Developer Network. Click Manage keys.

New Here? API Console Standards Search Go to ProQuest.com Yoel Kortick

ExLibris a ProQuest Company **DEVELOPER NETWORK**


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API Keys

Add or manage your API keys

MANAGE KEYS



Reports

Gain insights into your API usage

ANALYTICS

Click Add API Key to create an API key for an area of Alma, e.g.: Acquisitions, for read and write in the production environment.

Enabled	Name	API Key	Supported APIs	Action
<input checked="" type="checkbox"/>	All areas read write production	***** Copy	<ul style="list-style-type: none"> Bibs - Production Read/write Configuration - Production Read/write Acquisition - Production Read/write More... > 	Edit Delete
<input checked="" type="checkbox"/>	Configuration Read Write Production	***** Copy	<ul style="list-style-type: none"> Configuration - Production Read/write 	Edit Delete

[Add API Key](#)

Name your API key and add permission. Click Save.

Add/Edit API Key ✕

Name

Description

Enabled

Restriction Profile

Permissions

Area	Env	Permissions	Action
Add Permission			

[Save](#) [Cancel](#)

Now the new API Key appears in the API console list and you can use it. You can click Copy next to it to copy it.

Manage API Keys

Enabled	Name	API Key	Supported APIs	Action
<input checked="" type="checkbox"/>	Acquisitions Read Production	***** Copy	<ul style="list-style-type: none"> Acquisition - Production Read-only 	Edit Delete
<input checked="" type="checkbox"/>	Acquisitions Read Write Production	***** Copy	<ul style="list-style-type: none"> Acquisition - Production Read/write 	Edit Delete
<input checked="" type="checkbox"/>	Configuration Read Write Production	***** Copy	<ul style="list-style-type: none"> Configuration - Guest Sandbox Read-only 	Edit Delete
<input checked="" type="checkbox"/>	Misc	***** Copy	<ul style="list-style-type: none"> Acquisition - Production Read/write Analytics - Production Read/write 	Edit Delete

Related articles:

https://knowledge.exlibrisgroup.com/Alma/Best_Practices_and_How-Tos/APIs

https://knowledge.exlibrisgroup.com/Alma/Training/Extended_Training/Presentations_and_Documents_-_APIs