

INTRODUCTION TO **API Development for ArchivesSpace**

May 5, 2023 • Northwest Archivists Annual Meeting • Salem, Oregon

Austin Munsell and Alexa Goff • University of Oregon Libraries

MINI-WORKSHOP PART 1

The background of the slide features a light green topographic map with wavy contour lines. The lines are more densely packed on the right side of the image, creating a sense of depth and texture.

Welcome!

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“Have you tried the **API?”**

OVERVIEW

PART 1

- What is an API?
- What is the ArchivesSpace API?
- What can you do with the ArchivesSpace API?
- Examples from the University of Oregon
- Introduction to using Postman & Demonstration
- Resources

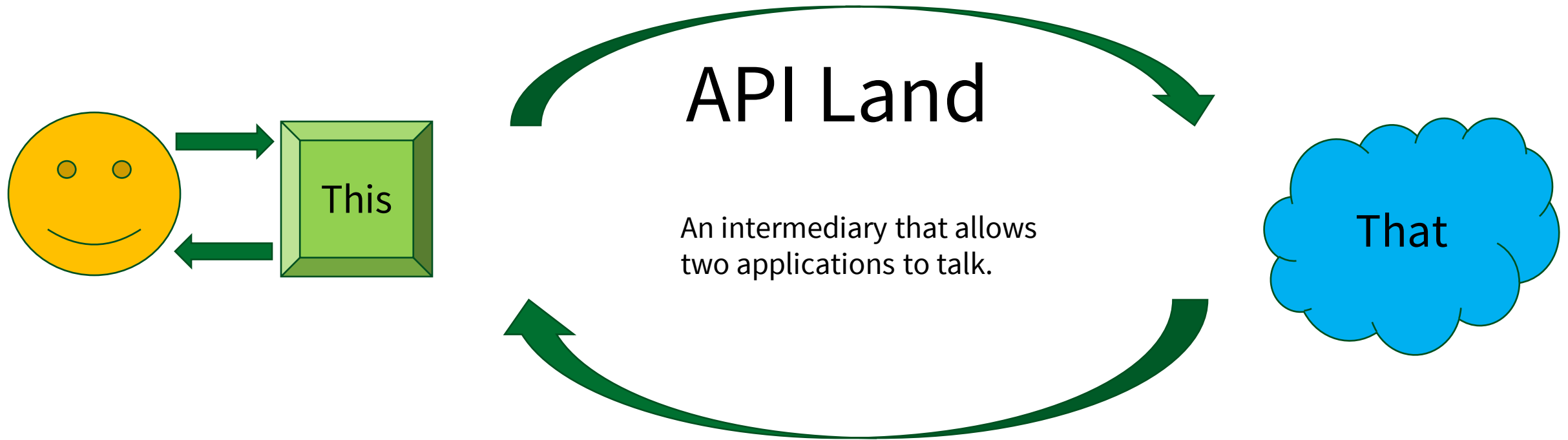
PART 2

- Guided Hands-on Demonstration for Beginners

The background of the slide features a light green topographic map with wavy contour lines. The lines are more densely packed on the right side of the image, creating a sense of depth and texture.

WHAT IS AN **API**?

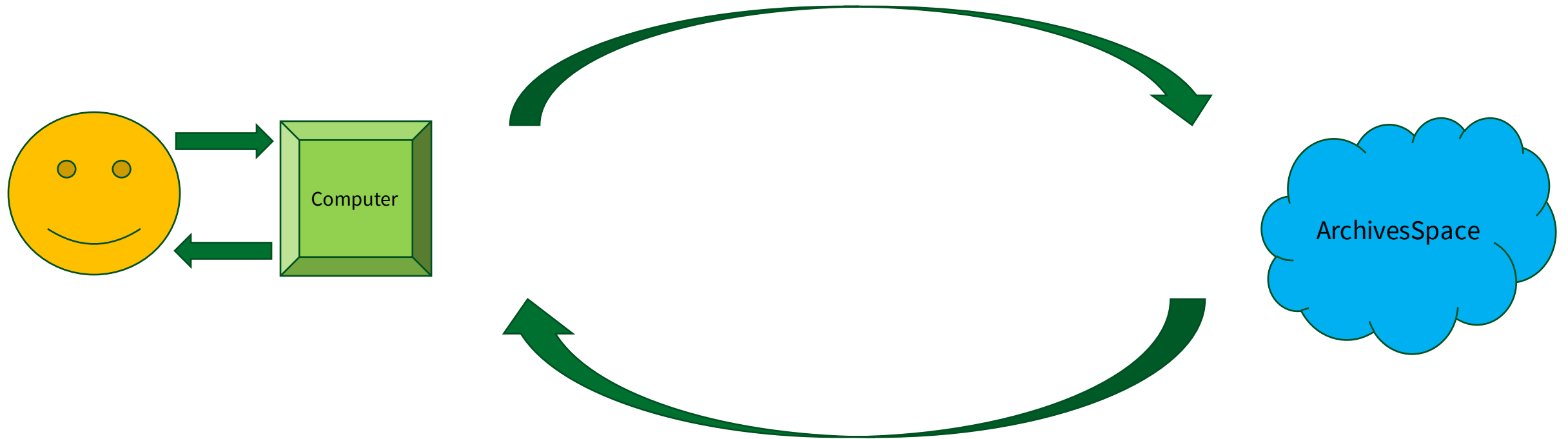
WHAT IS AN API?



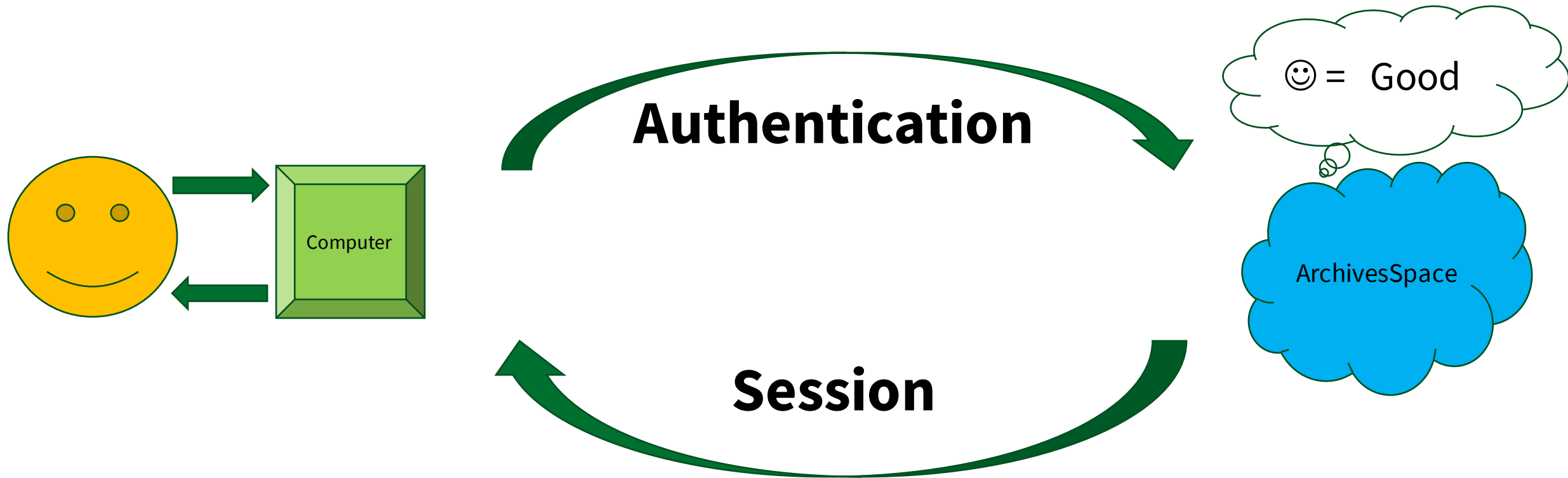
The background of the slide features a light green topographic map with wavy contour lines. The lines are more densely packed on the right side of the image, creating a sense of depth and texture.

WHAT IS THE ARCHIVSPACE API?

WHAT IS THE ARCHIVESSPACE API?



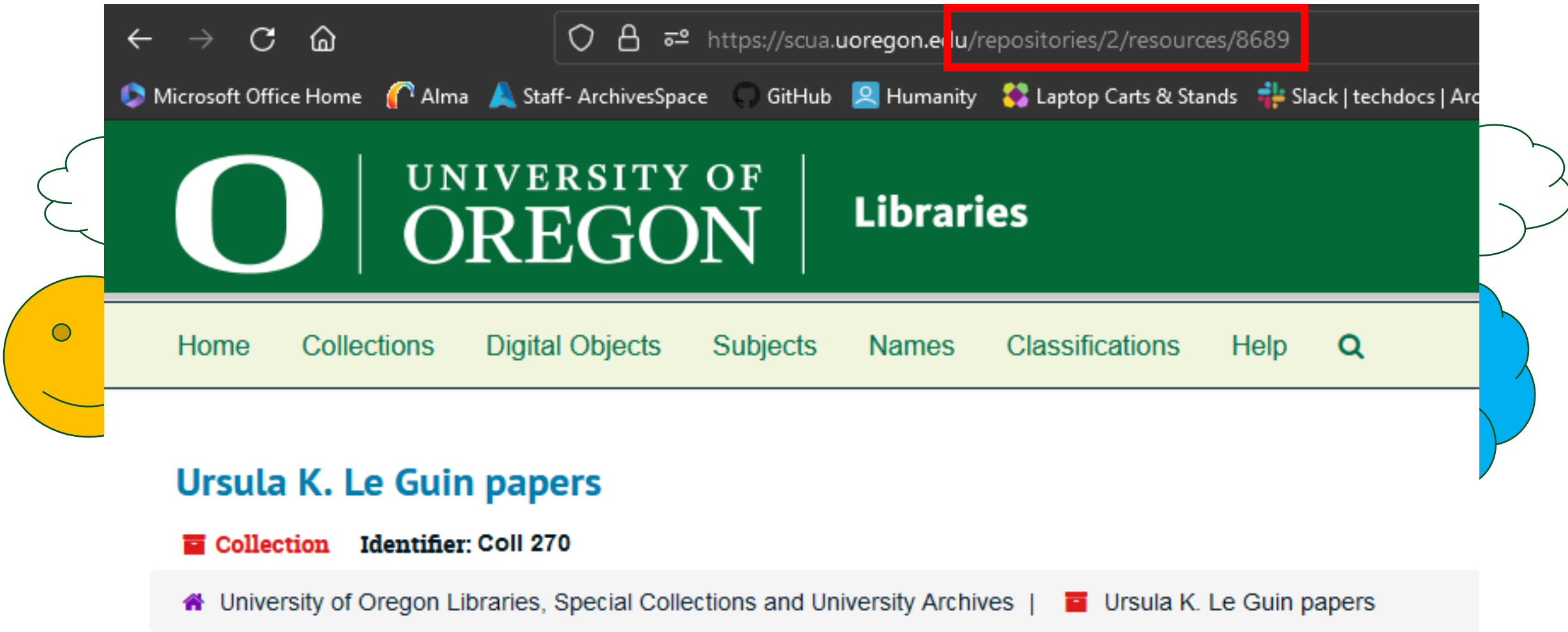
WHAT IS THE ARCHIVESSPACE API?



WHAT IS THE ARCHIVSPACE API?



WHAT IS THE ARCHIVESPACE API?



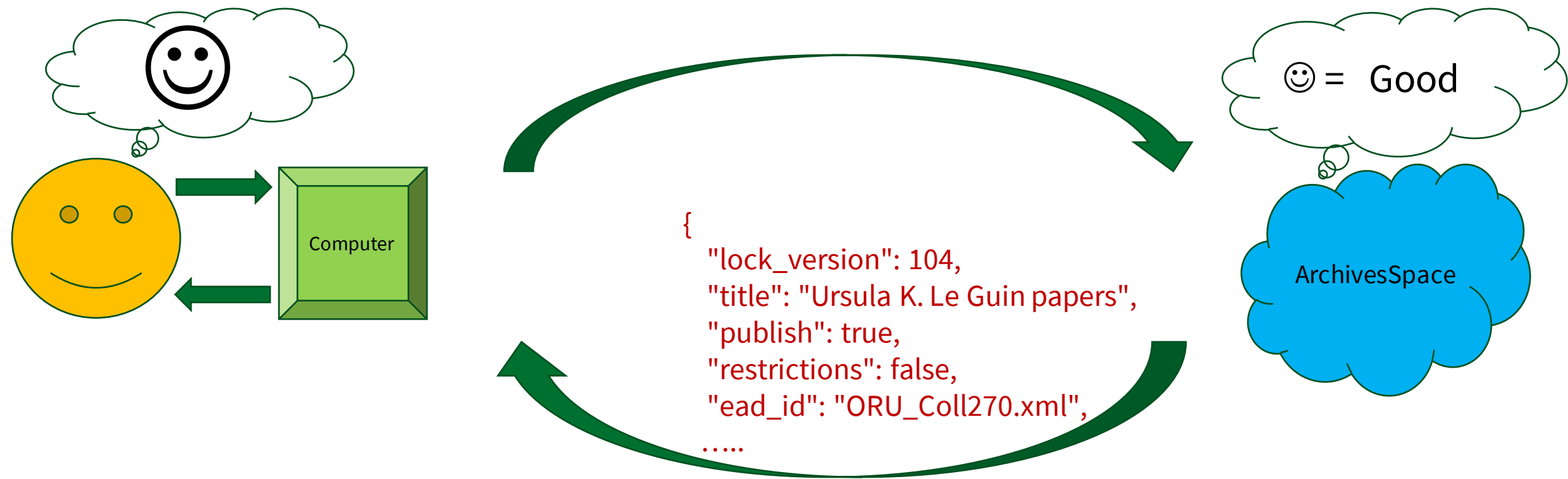
The screenshot shows a web browser window with the URL `https://scua.uoregon.edu/repositories/2/resources/8689` highlighted in a red box. The browser's address bar also shows navigation icons (back, forward, refresh, home) and security icons (lock, shield). Below the address bar is a toolbar with links to Microsoft Office Home, Alma, Staff- ArchivesSpace, GitHub, Humanity, Laptop Carts & Stands, and Slack | techdocs | Arc.

The main header of the page is green and features the University of Oregon logo (a large white 'O') and the text "UNIVERSITY OF OREGON Libraries".

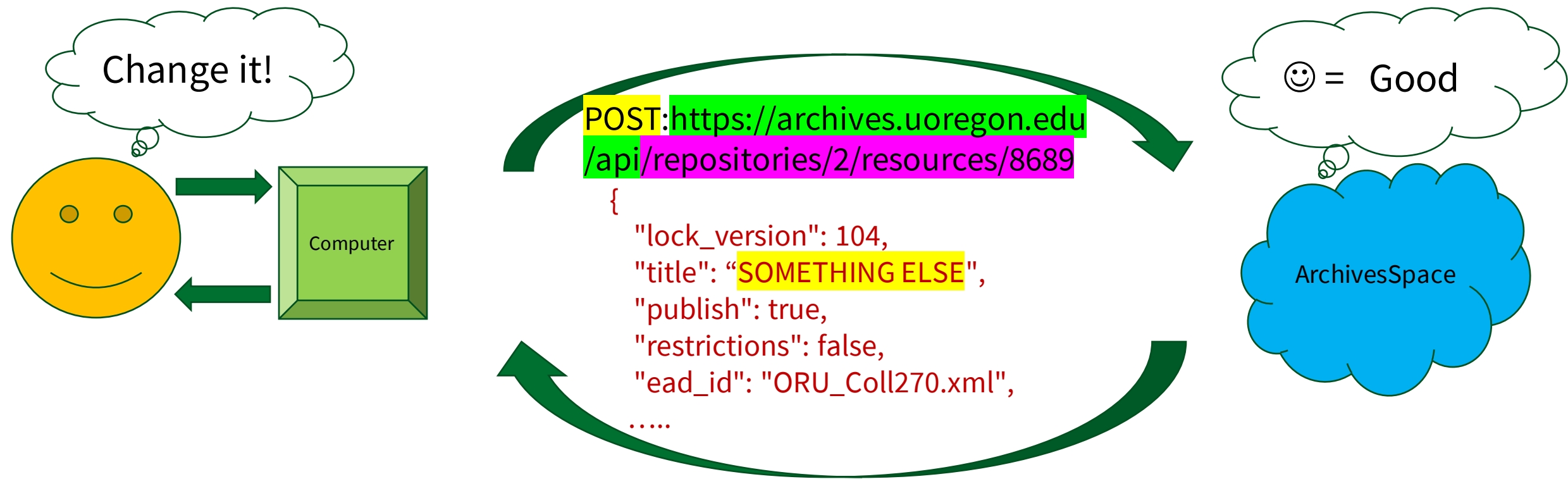
Below the header is a navigation bar with links to Home, Collections, Digital Objects, Subjects, Names, Classifications, Help, and a search icon.

The main content area displays the title "Ursula K. Le Guin papers" in blue. Below the title, it indicates "Collection Identifier: Coll 270". At the bottom, a breadcrumb trail shows the path: "University of Oregon Libraries, Special Collections and University Archives | Ursula K. Le Guin papers".

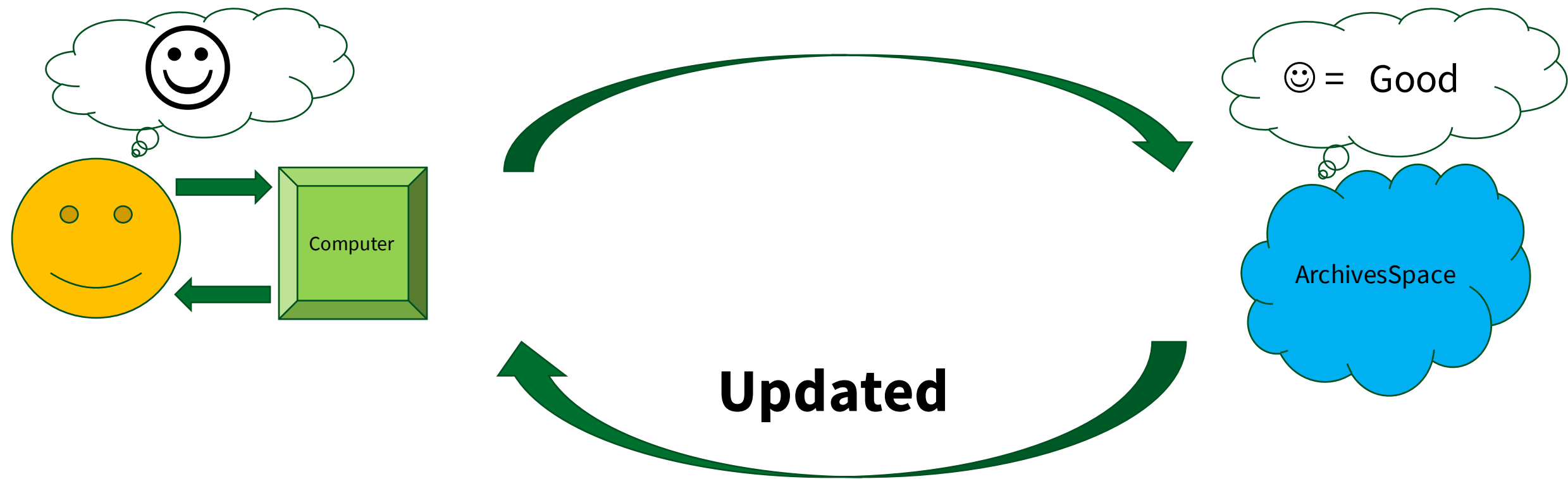
WHAT IS THE ARCHIVSPACE API?



WHAT IS THE ARCHIVSPACE API?



WHAT IS THE ARCHIVESSPACE API?

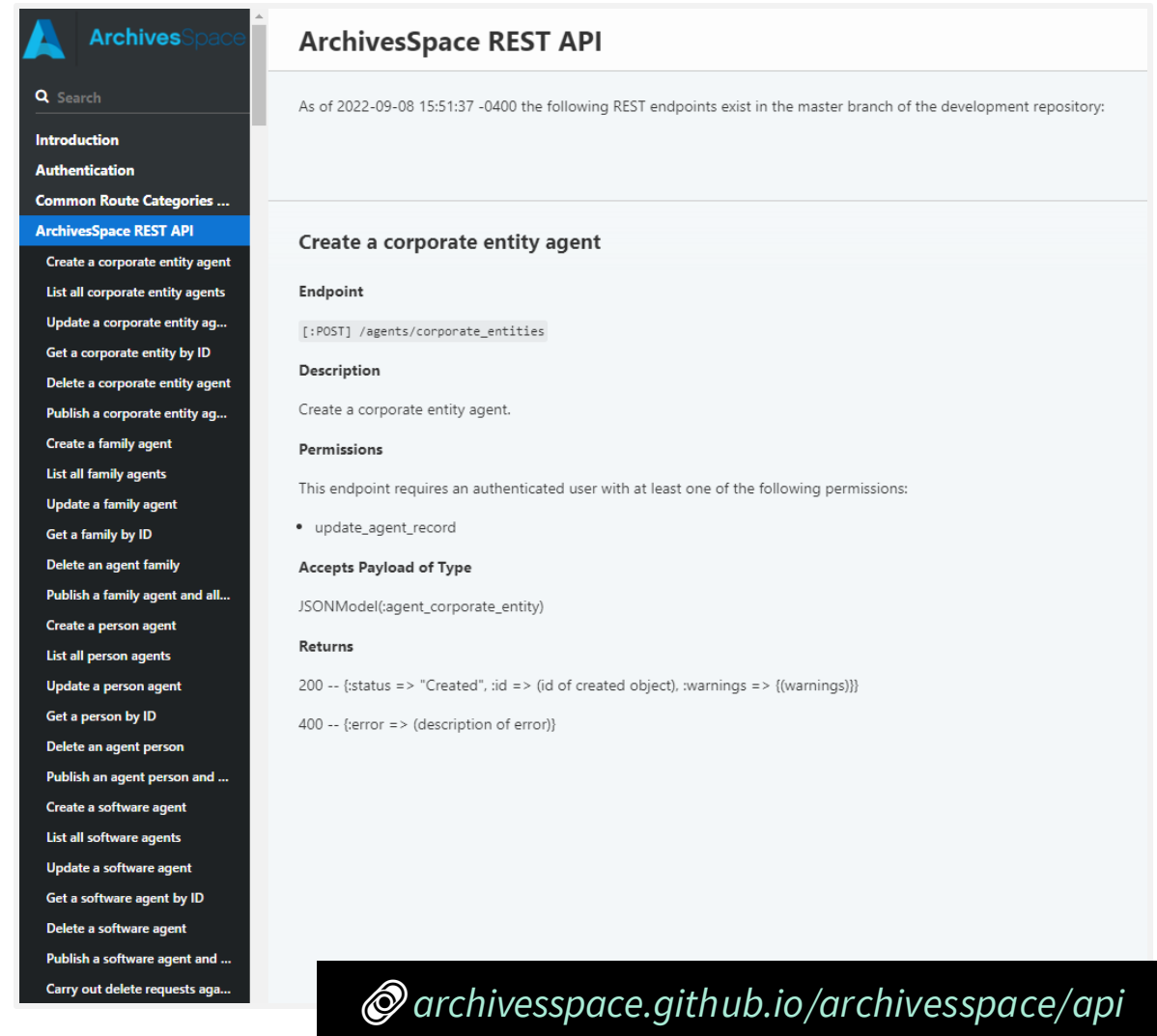


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WHAT CAN YOU DO WITH THE ARCHIVSPACE API?

WHAT CAN YOU DO WITH THE ARCHIVESSPACE API?

- Custom reports (**GET**)
- Create or Update ArchivesSpace things (**POST**)
 - Based on spreadsheets
 - Based on standardized data
 - Based on other records
(if they can also be accessed via API)
- Delete ArchivesSpace things (**DELETE**)



ArchivesSpace REST API

As of 2022-09-08 15:51:37 -0400 the following REST endpoints exist in the master branch of the development repository:

Create a corporate entity agent

Endpoint

`[POST] /agents/corporate_entities`

Description

Create a corporate entity agent.

Permissions

This endpoint requires an authenticated user with at least one of the following permissions:

- update_agent_record

Accepts Payload of Type

JSONModel(agent_corporate_entity)

Returns

200 -- {status => "Created", :id => (id of created object), :warnings => {{warnings}}}

400 -- {error => (description of error)}

archivesspace.github.io/archivesspace/api

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EXAMPLES FROM THE UNIVERSITY OF OREGON

EXAMPLES: UPDATING LANGUAGE AND DESCRIPTION ACROSS ALL COLLECTIONS

- ✓ GET Get all resource IDs
- ✓ GET Get a resource
- ✓ POST Update a resource

Description Rules

Describing Archives: A Content Standard

Language of
Description *

English

Script of
Description *

Latin

Params • Authorization Headers (10) Body • Pre-request Script • Tests • Settings

```
1 var r_body = JSON.parse(pm.environment.get("resource_body"));
2
3 //Set the language of description to eng and the script to latn
4 r_body.finding_aid_language = "eng"
5 r_body.finding_aid_script = "Latn"
6
7 //Turn the updated resource body back into a string so it can be passed
  back into ArchivesSpace.
8 pm.variables.set("resource_body", JSON.stringify(r_body));
9
10
```

EXAMPLES: EXCHANGE BAD AGENT RECORD FOR GOOD ACROSS 12,000 OBJECTS

[Man shaking hands with large dog, woman seated on ground, in front of building at Mt. Scott Park Cemetery, Portland.], 1915

Item — Box: 47, item: PH037_CE00051

University of Oregon Libraries, Special Collections and University Archives | Angelus Studio photographs (PH 037) | [Man shaking hands with large dog, woman seated on ground, in front of building at Mt. Scott Park Cemetery, Portland.],

Dates

1915

Creator

- Angelus Studio (Portland, Or.) (Organization)

Conditions Governing Access note

from the Collection:
Accession is open to the public.
Accession must be used in Special Collections & University Archives Reading Room.
Accession includes

Physical A

ASpace Exchange Agents

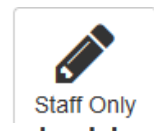
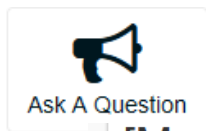
GET ASpace Archival Object for ag...

POST ASpace Archival Object chang...

Collection organization

- California, undated
- Cemeteries, 1915-1925

- [Man shaking hands with large dog, woman seated on ground, in front of building at Mt. Scott Park Cemetery, Portland.], 1915
- [View toward Portland from Mt. Scott Park Cemetery, Portland.], 1915
- [View toward Portland from Mt. Scott Park Cemetery, Portland.], 1915
- [Stone chapel building at Mt. Scott Park Cemetery, Portland.], 1915
- [Entrance to Mt. Scott Park Cemetery, Portland.], 1915
- [Entrance to Mount Scott Park Cemetery, Portland.], 1915
- [Chapel-building at Mt. Scott Park Cemetery, Portland.], 1915
- [of rose chamber in Mt. Scott Park Cemetery, Portland.], 1915
- [Monument at Mt. Scott Park Cemetery, Portland.], 1915



[Man shaking hands with large dog, woman seated at Mt. Scott Park Cemetery, Portland.], 1915

Basic Information

Title	[Man shaking hands with large dog, woman seated on ground, in front o
Ref ID	ref59658_pxs
Level of Description	Item
Publish?	True
Has Unpublished Ancestor?	False
Restrictions Apply?	False

Created by admin 2017-12-29 13:47:09 -0800 | Last Modified by amunsell

Dates

Creation	1915
----------	------

Agent Links

Role	Relator	Agent
Creator		Angelus Studio (Portland, Or.)

EXAMPLES: ADDING INVENTORY AND INSTANCES TO A COLLECTION

	Shelf_Barcode	Barcode	Collection Number	Accession Number	Collection Name (partial)	Description	Box number	resource_uri
400	4scua0008554	35025043119029	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 399	399	/resources/9568
401	4scua0008554	35025043119037	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 400	400	/resources/9568
402	4scua0008554	35025043119045	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 401	401	/resources/9568
403	4scua0008554	35025043119052	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 402	402	/resources/9568
404	4scua0008554	35025043119060	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 403	403	/resources/9568
405	4scua0008554	35025043119078	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 404	404	/resources/9568
406	4scua0008554	35025043119086	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 405	405	/resources/9568
407	4scua0008554	35025043119094	Coll 905	22.064.M	Defazio	Unarranged Box [22.064.M] 406	406	/resources/9568
408								
409								

RUN ORDER

☒

POST

Alma create unarranged spmanus item

☒

POST

ASpace - Create unarranged top containers

☒

GET

ASpace Archival Object

☒

POST

ASpace Update Archival Object

Matching results: 669

Click a column to set the sort ordering. Hold shift to sort by multiple columns.

Click a row to select it for bulk operations. Hold alt while clicking a checkbox to select, or unselect, multiple previous rows.

<input type="checkbox"/>	Resource/Accession	Series	Container Profile	Container Type	Indicator	Barcode	Current Location	IL: Hc ID
<input type="checkbox"/>	Coll 905, Peter A. DeFazio papers			Unarranged Box	[22.064.M] 351	35025043118542	BDC, 48 [4SCUA0008560, Range: 6, Bay: 5, Shelf: 1]	
<input type="checkbox"/>	Coll 905, Peter A. DeFazio papers			Unarranged Box	[22.064.M] 352	35025043118559	BDC, 48 [4SCUA0008560, Range: 6,	

EXAMPLES: THE STACKS STUDENT TOOLKIT

C:\> Stacks Student Toolkit 2 - node app.js

? What would you like to do? (Use arrow keys)

- 1) Add locations to pull slips
- 2) Reshelve a regular cart (USUAL ROUTINE)
- 3) Reshelve a class cart (RARELY USED)

- ☒ **POST** ASpace log in to session
- ☒ **GET** Alma gather SpecColl request barcodes (not printed)
- ☒ **GET** Alma gather requests for bib
- ☒ **GET** ASpace Top Container -get Display Location
- ☒ **GET** Alma get item from barcode -mms,holding,item_pid C
- ☒ **GET** Alma get request - comment, request id
- ☒ **PUT** Alma rewrite request note

Tee A. Corinne papers,

By: Corinne, Tee,

Description: Box 8

Imprint: 1966

Location: Spec Coll manuscripts and archives

Call Number: Coll 263

Destination: Special Collections and University Archives

Request Type: Patron physical item request

**Request Note: | STACKS LOCATION: Knight, 025_Deck 1
[4SCUA0002357, Range: W, Bay: 4, Shelf: 1]**

EXAMPLES: BATCH LEGACY RECORD PROCESSING WORKFLOW (A WORK IN PROGRESS)

```
SCUA_BATCH_PROCESSING
├── __pycache__
├── analysis
│   ├── in
│   │   ├── holding.txt
│   │   ├── input.csv
│   │   └── resources.csv
│   ├── out
│   │   ├── resources.csv
│   │   ├── all_calendar_test.csv
│   │   └── get_resource_csv.py
│   └── Postman Collections
│       ├── 01_aspace_cleanup_tool.json
│       ├── processing
│       │   ├── 01_aspace_cleanup
│       │   ├── 02_worldcat
│       │   ├── 03_alma
│       │   └── 04_aspace_record_updates
```

```
19
20 #Everything above is boilerplate to get the
21
22 with open('analysis/out/resources.csv', 'w',
23           title_writer = csv.writer(testout, delim
24           title_writer.writerow(["resource_uri", "
25
26 with open('analysis/in/input.csv', mode=
27           reader = csv.DictReader(csv_file)
28           for row in reader:
29               resId = row['resId']
30               r = resourceRec(resId,c)
31
32 #Get extent
33 extentCount = len(r["extents"])
34 if extentCount == 0:
35     extNumber = "NO EXTENT"
36     extType = "NO EXTENT"
37 elif extentCount == 1:
38     for extent in r["extents"]:
```

scua_batch_processing tools

New Import

Collections

Environments

History

GET ASpace Resource

POST ASpace Resource Copy

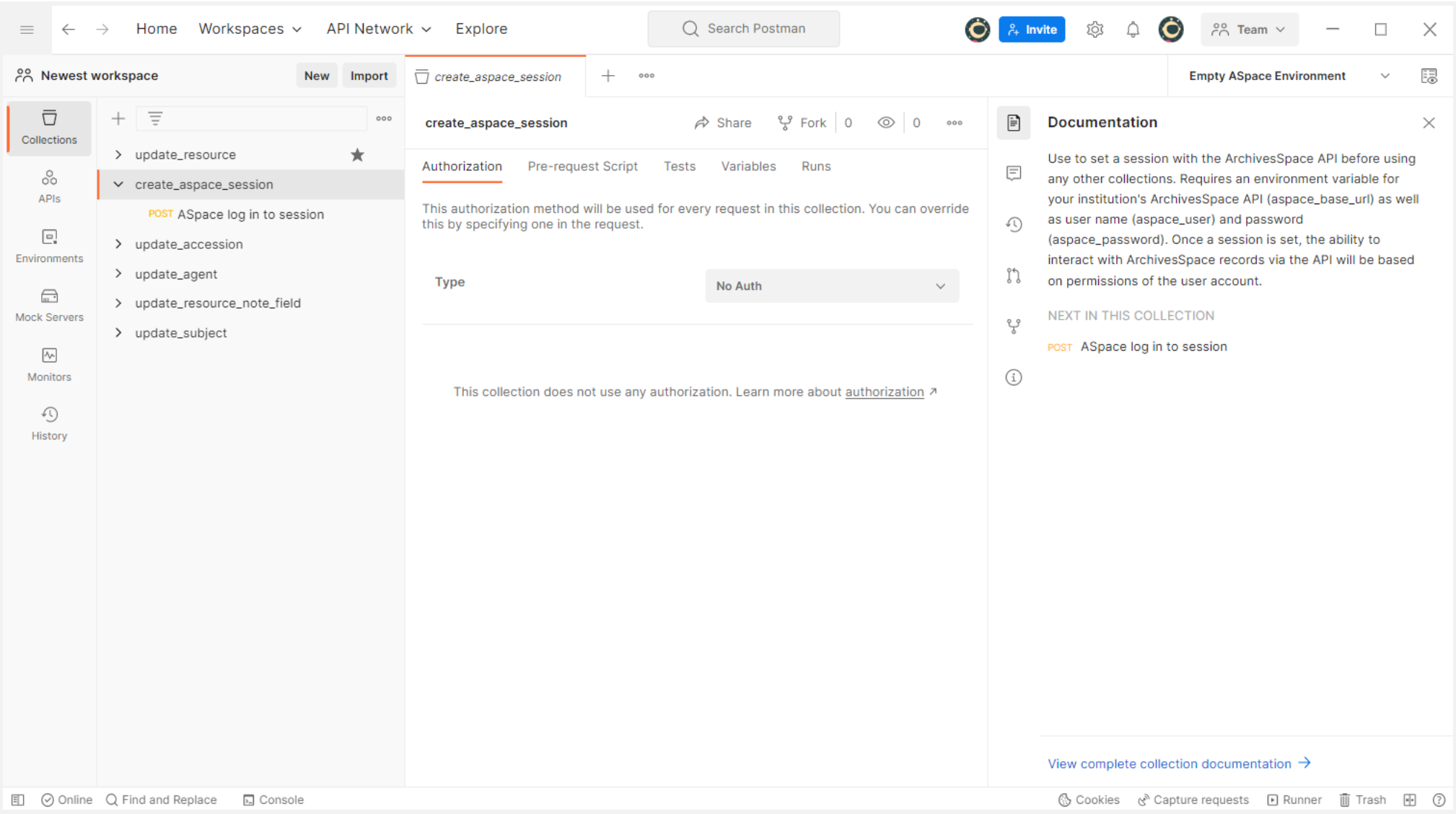
02_worldcat

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF																							
	resource_	Published	Identifier	Identifier	Title	ched	Title	Finding ai	Filing title	Number	o	Extent	Nu	Extent	Tyr	Number	o	Last	Listec	Number	o	Agent	Rec	Authorize	Number	o	Subject	R	Number	o	Date	Expi	Begin	Dat	End	Date	Number	o	Note	Type	Number	o	Abstract	T	Number	o	Physical	D	Number	o	Preferred	Number	o	Scope	an
2	/repositor	FALSE	CA 1783	Nov 1	James Wa	Guide to t	Wadswor	1	0.05	linear	fee	1	Wadswor	1	Wadswor	NO	0	1	1783	Nov	1783-11-0	NO	END	D	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
3	/repositor	FALSE	CA 1787	Sept 5	Betsy Goo	Guide to t	Goodwin	1	0.05	linear	fee	1	Goodwin,	1	Goodwin,	NO	0	1	1787	Sept	1787-09-0	NO	END	D	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
4	/repositor	FALSE	CA 1797	Oct 28	William G	Guide to t	Gordon (V	1	0.05	linear	fee	1	Gordon, V	1	Gordon, V	YES	0	1	1797	Octo	1797-10-0	NO	END	D	6	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
5	/repositor	FALSE	CA 1817	May 13	Samuel Si	Guide to t	Sitgreave	1	0.05	linear	fee	1	Sitgreave	1	Sitgreave	YES	0	1	1817	May	1817-05-0	NO	END	D	6	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
6	/repositor	FALSE	CA 1826	Oct 12	Robert Sh	Guide to t	Bean (Rob	1	0.05	linear	fee	1	Bean, Rob	1	Bean, Rob	YES	0	1	1826	Octo	1826-10-1	NO	END	D	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
7	/repositor	FALSE	CA 1829	Oct 3	William G	Guide to t	Goss (Will	1	0.05	linear	fee	1	Goss, Will	1	Goss, Will	NO	0	1	1829	Octo	1829-10-0	NO	END	D	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
8	/repositor	FALSE	CA 1829	Oct 7	William G	Guide to t	Goss (Will	1	0.05	linear	fee	1	Goss, Will	1	Goss, Will	NO	0	1	1829	Octo	1829-10-0	NO	END	D	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
9	/repositor	FALSE	CA 1834	Apr 24	Abner Jon	Guide to t	Jones (Ab	1	0.05	linear	fee	1	Jones, Abi	1	Jones, Abi	YES	0	1	1834	April	1834-04-0	NO	END	D	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																		
10	/repositor	FALSE	CA 1836	Dec 3	Chamberl	Guide to t	Chamberl	1	0.05	linear	fee	1	Chamberl	1	Chamberl	NO	0	1	1886	Dece	1886-12-0	NO	END	D	6	|abstract	1	The firm c	1	1	folder	1	|Identifica	0	NO	SCOP																			
11	/repositor	FALSE	CA 1839	Mar 14	William G	Guide to t	Goss (Will	1	0.05	linear	fee	1	Goss, Will	1	Goss, Will	NO	0	1	1839	Mar	1839	1839	5	|physdes	0	NO	ABSTR	1	1	folder	1	|Identifica	0	NO	SCOP																				
12	/repositor	FALSE	CA 1841	Sept 24	John Ross	Guide to t	Browne (J	1	0.05	linear	fee	1	Browne, J	1	Browne, J	YES	0	1	1841	Sept	1841-09-2	NO	END	D	8	|abstract	1	Letter. Jo	1	1	folder, li	1	|Identifica	1	Collectio																				
13	/repositor	FALSE	CA 1852	Apr 28a	Hoyt Tyrre	Guide to t	Hoyt Tyrre	1	0.1	linear	fee	1	Tyrrel, Ho	1	Tyrrel, Ho	NO	2	Pioneers (	1	1852	April	1852-04-2	NO	END	D	7	|physloc	0	NO	ABSTR	1	1	folder	1	|Identifica	1	Collectio																	
14	/repositor	FALSE	CA 1853	Dec 6	John M. M	Guide to t	McDonald	1	0.05	linear	fee	1	McDonald	1	McDonald	NO	5	physdes	0	NO	ABSTR	1	1	1853	Dece	1853-12-0	NO	END	D	5	physdes	0	NO	ABSTR	1	1	folder	1	Identifica	0	NO	SCOP													
15	/repositor	FALSE	CA 1854	May 28	R.H. Hubb	Guide to t	Hubbard (	1	0.1	linear	fee	1	Hubbard,	1	Hubbard,	NO	2	Pioneers (	1	1854	May	1854-05-2	NO	END	D	9	|abstract	1	This colle	1	1	folder	1	|Identifica	1	This colle																	
16	/repositor	FALSE	CA 1854	Oct 31	Robert Th	Guide to t	Robert Th	1	0.1	linear	fee	1	Thompson	2	Thompson	NO	2	Pioneers (	1	1854	Octo	1854-10-3	NO	END	D	11	|physloc	1	Robert Th	1	1	folder	1	|Identifica	1	The colle																		

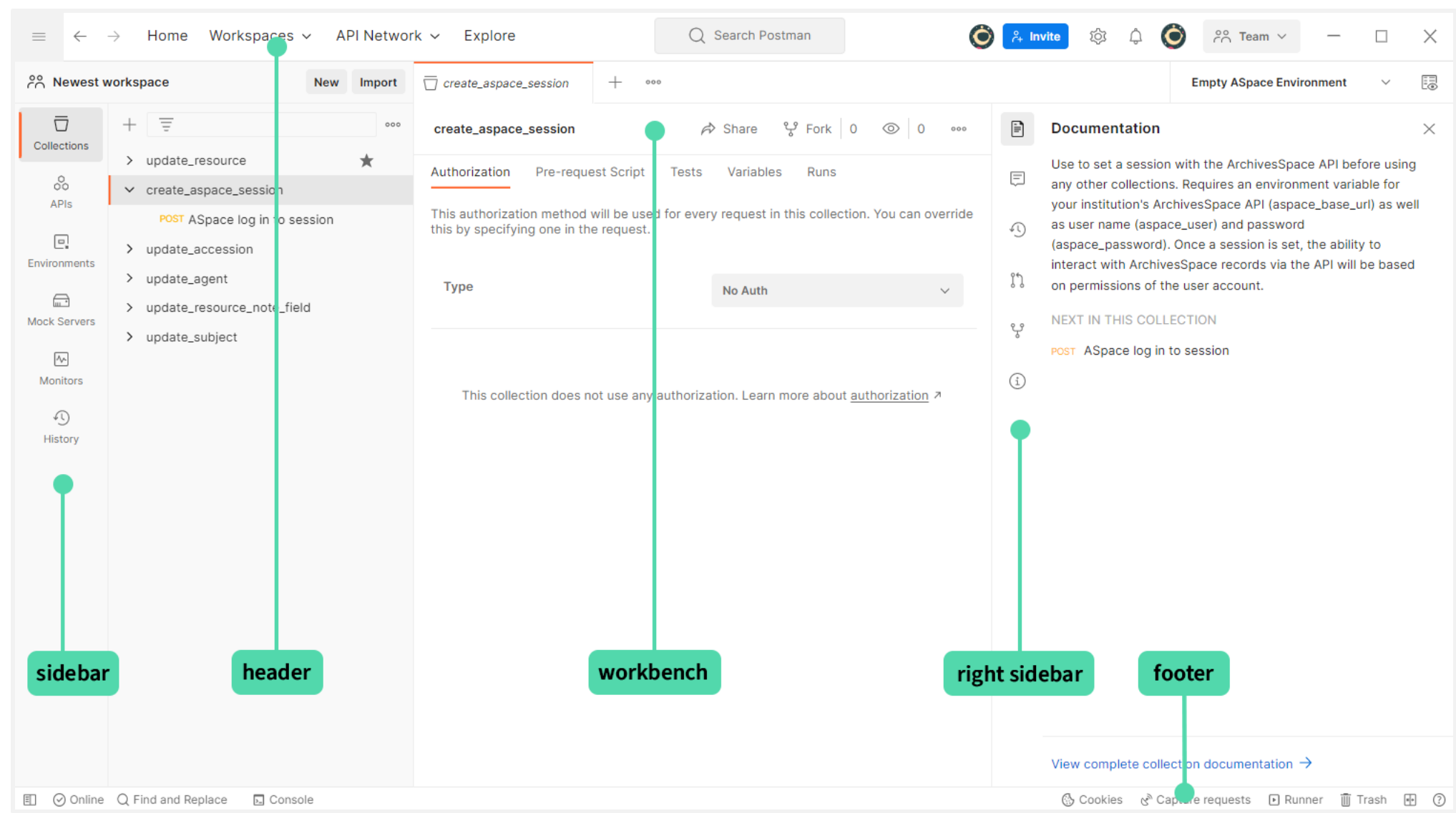
INTRODUCTION TO USING POSTMAN



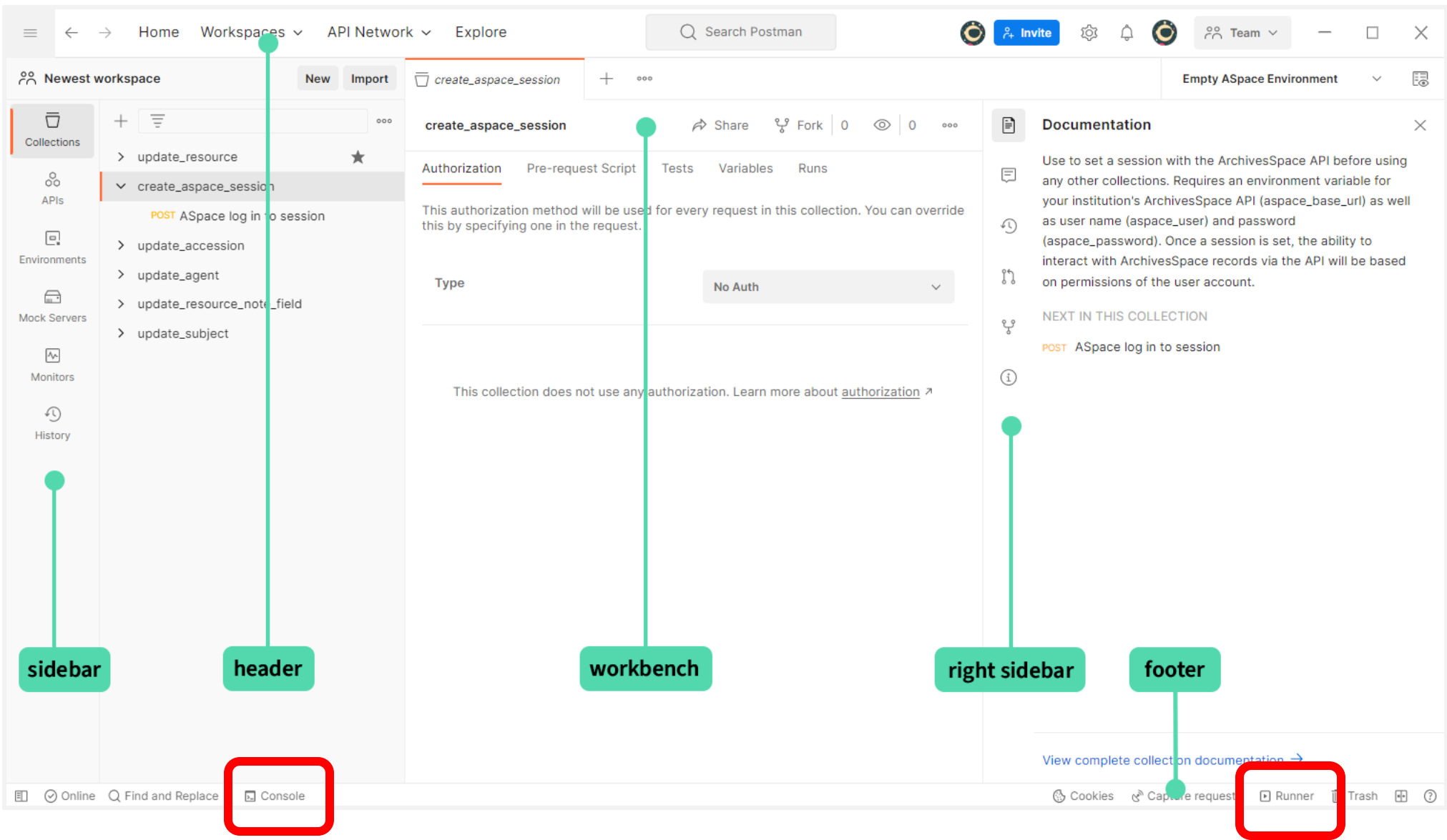
POSTMAN: USER INTERFACE



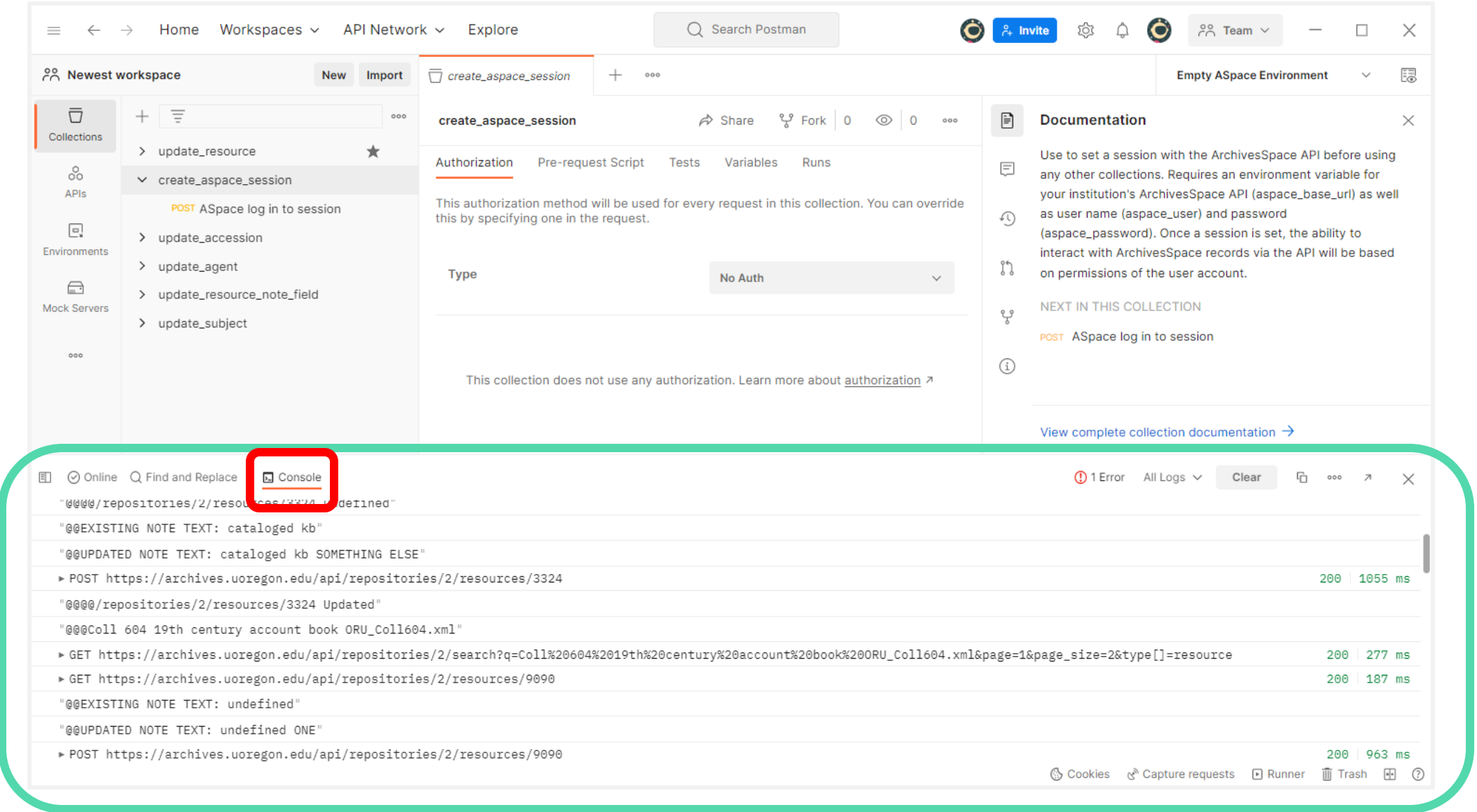
POSTMAN: USER INTERFACE



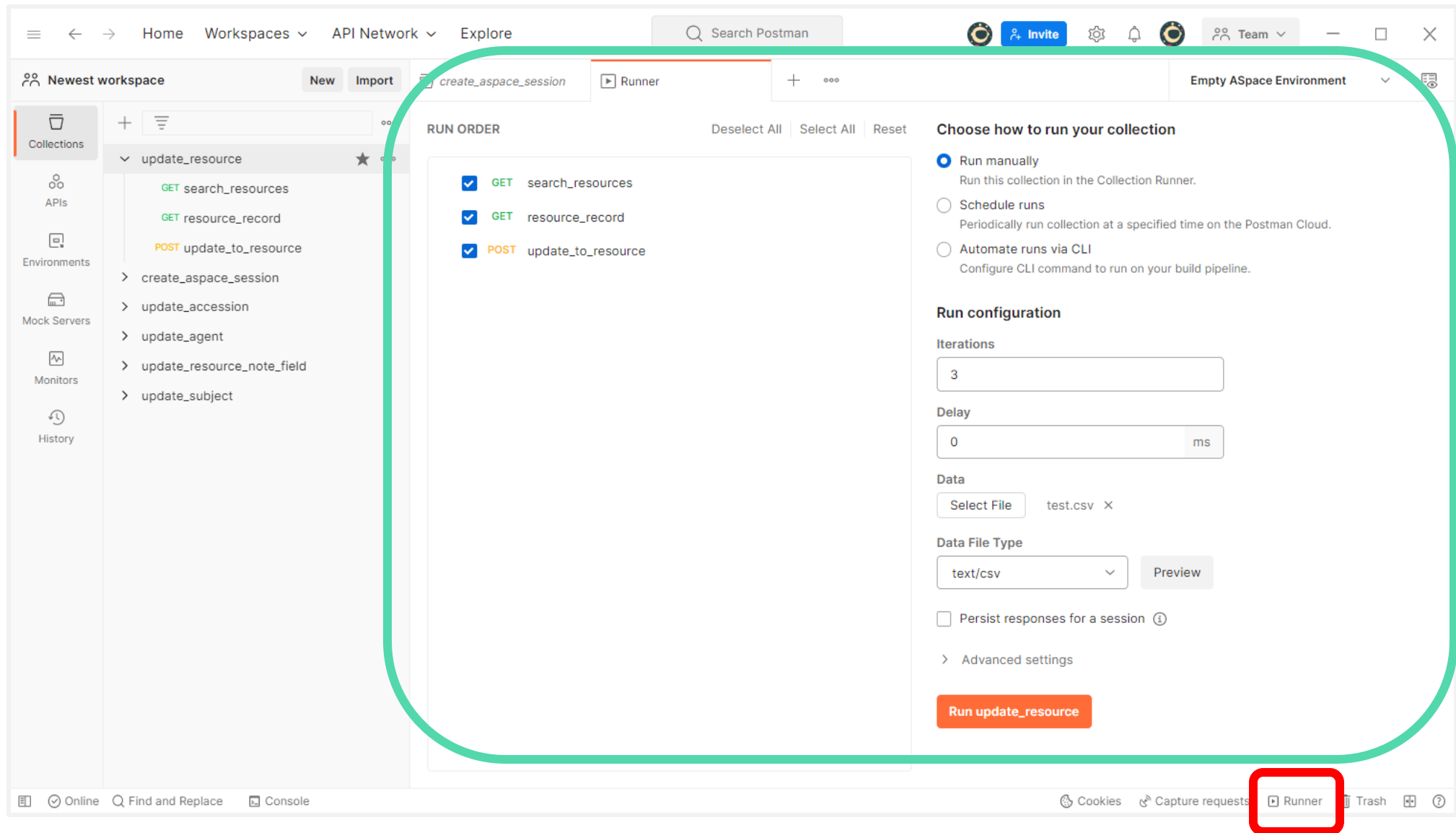
POSTMAN: USER INTERFACE



POSTMAN: CONSOLE



POSTMAN: COLLECTION RUNNER



POSTMAN: SWITCH TO LIVE DEMO

Save

Add Event ▾ Publish All Unpublish All View Published Export ▾

Gladys Lucy Adshead papers Resource

Basic Information

Title *

Gladys Lucy Adshead papers

Identifier *

Ax 446

Level of Description *

Collection

Resource Type

Paper

Publish?

☒

Repository Processing Note

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

```
1 //This retrieves the resource record saved in the previous step
2   var r_body = JSON.parse(pm.environment.get("resource_body"))
3
4 //This section introduces a variable that will be appended to the
5   spreadsheet, comment out the Testing variable (add "//" at the
6   start of the line)
7
8   //Spreadsheet variable:
9   var n = pm.iterationData.get("new_thing")
10
11   //Testing variable:
12   //var n = "SOMETHING ELSE neat!"
13
14 //This gets the repository processing note from the resource record
15   var repo_note = r_body.repository_processing_note
16
17 //This logs the current repository processing note to the console
18   console.log("@@EXISTING NOTE TEXT: " + repo_note)
```

	E	F	G	H	
	extents	ead_id	audit_info	new_thing	
365	1 --- linear feet	ORU_Ax446.xml		Test data for Adshead papers	
370	3.67 --- linear feet	ORU_Ax506.xml		Test data for Ayer papers	
380	3 --- linear feet	ORU_Coll233.xml		Test data for Bach papers	

Materials from this session available at our

GitHub repository



bit.ly/nwa-api



INTRODUCTION TO **API Development for ArchivesSpace**

May 5, 2023 • Northwest Archivists Annual Meeting • Salem, Oregon

Austin Munsell and Alexa Goff • University of Oregon Libraries

MINI-WORKSHOP PART 2

Requirements to participate in Part 2:

- ✓ Laptop
- ✓ Connected to Wi-Fi
- ✓ Institutional VPN *(may not be required)*
- ✓ Institutional ArchivesSpace API URL
- ✓ Institutional ArchivesSpace user credentials *(sign-in now)*
- ✓ Postman application installed with user credentials *(sign-in now)*

Ready? Go to: **bit.ly/nwa-api**

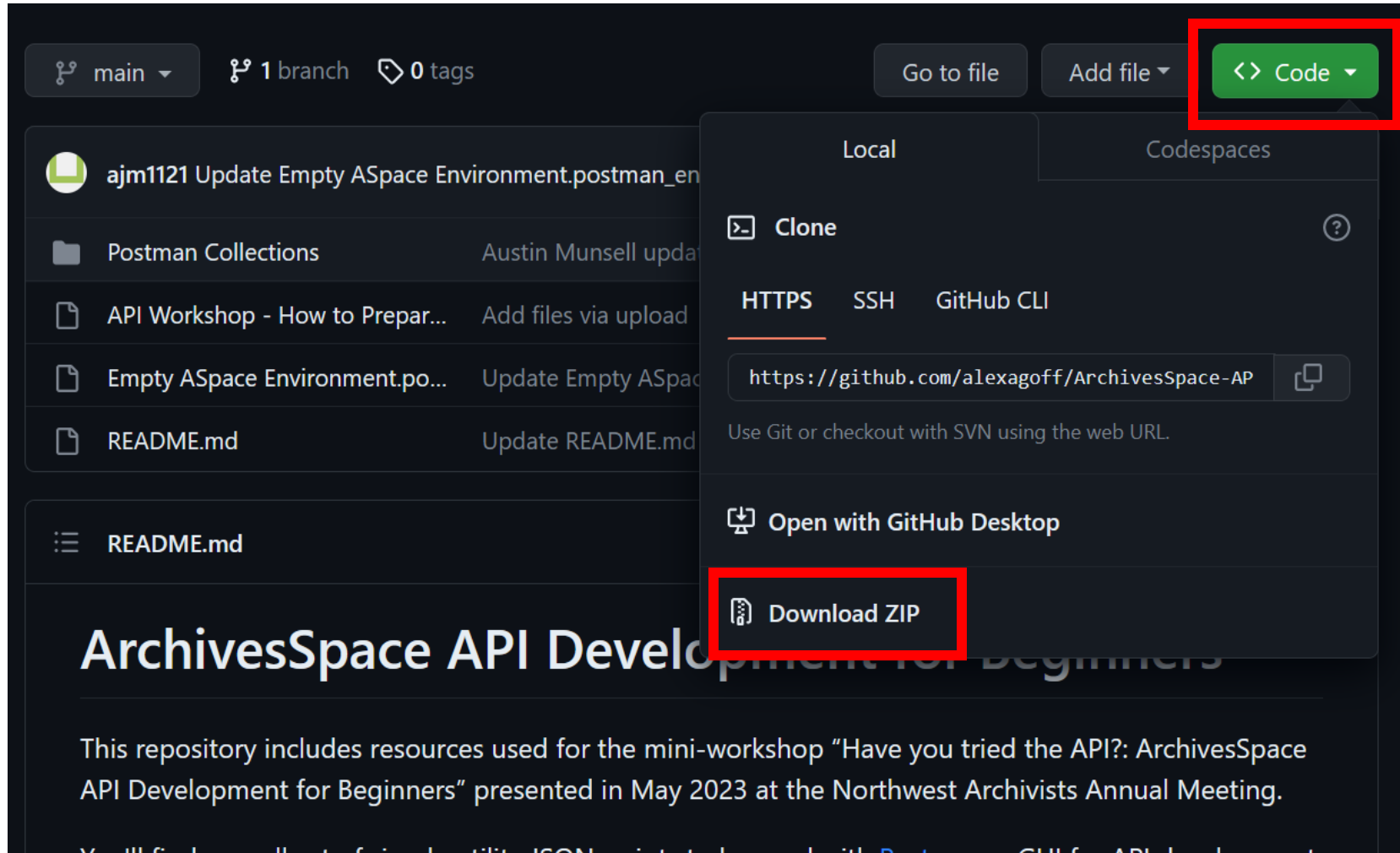


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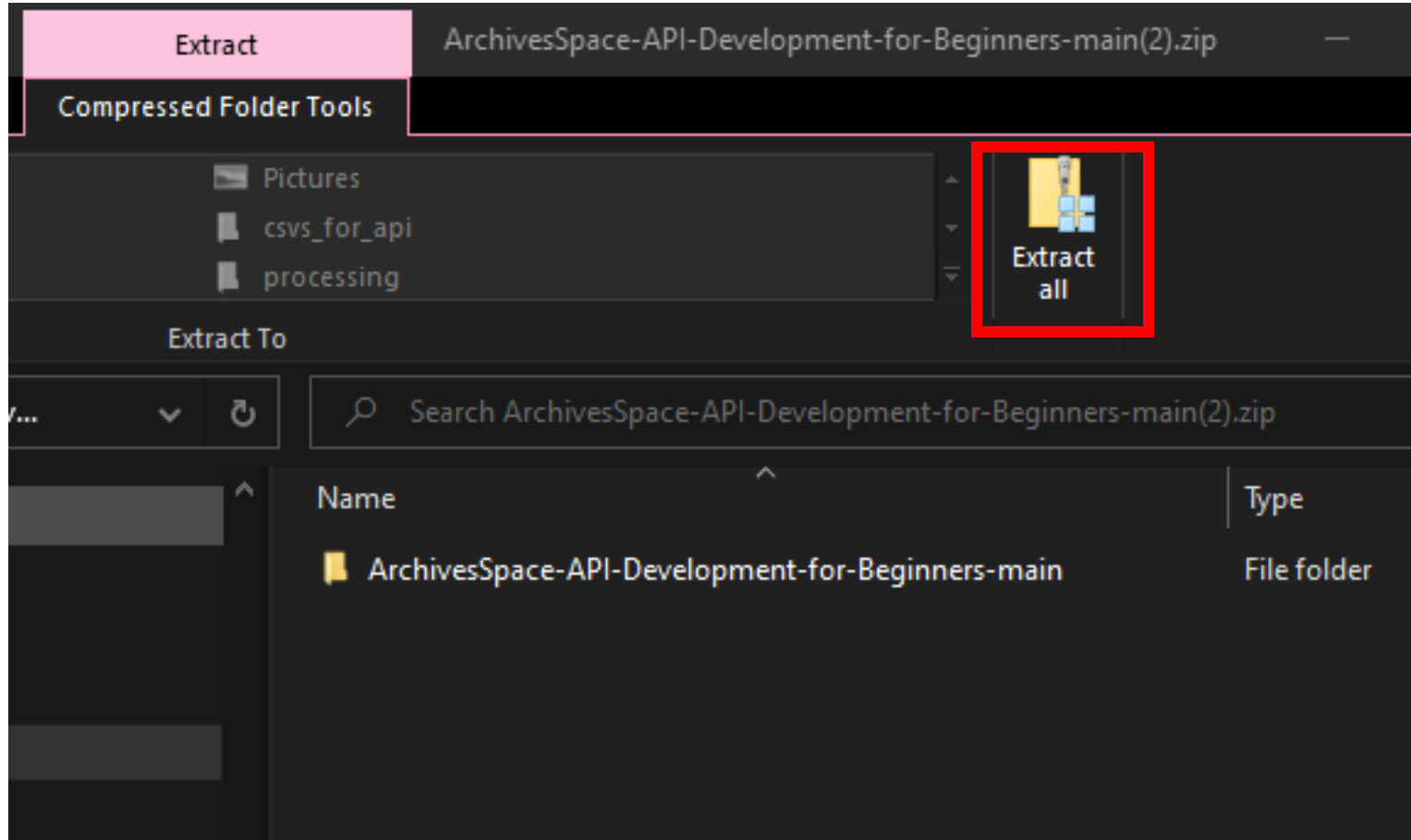
PART 1: GETTING SET UP

SETTING UP: DOWNLOAD AND UNZIP THE GITHUB FILES

bit.ly/nwa-api

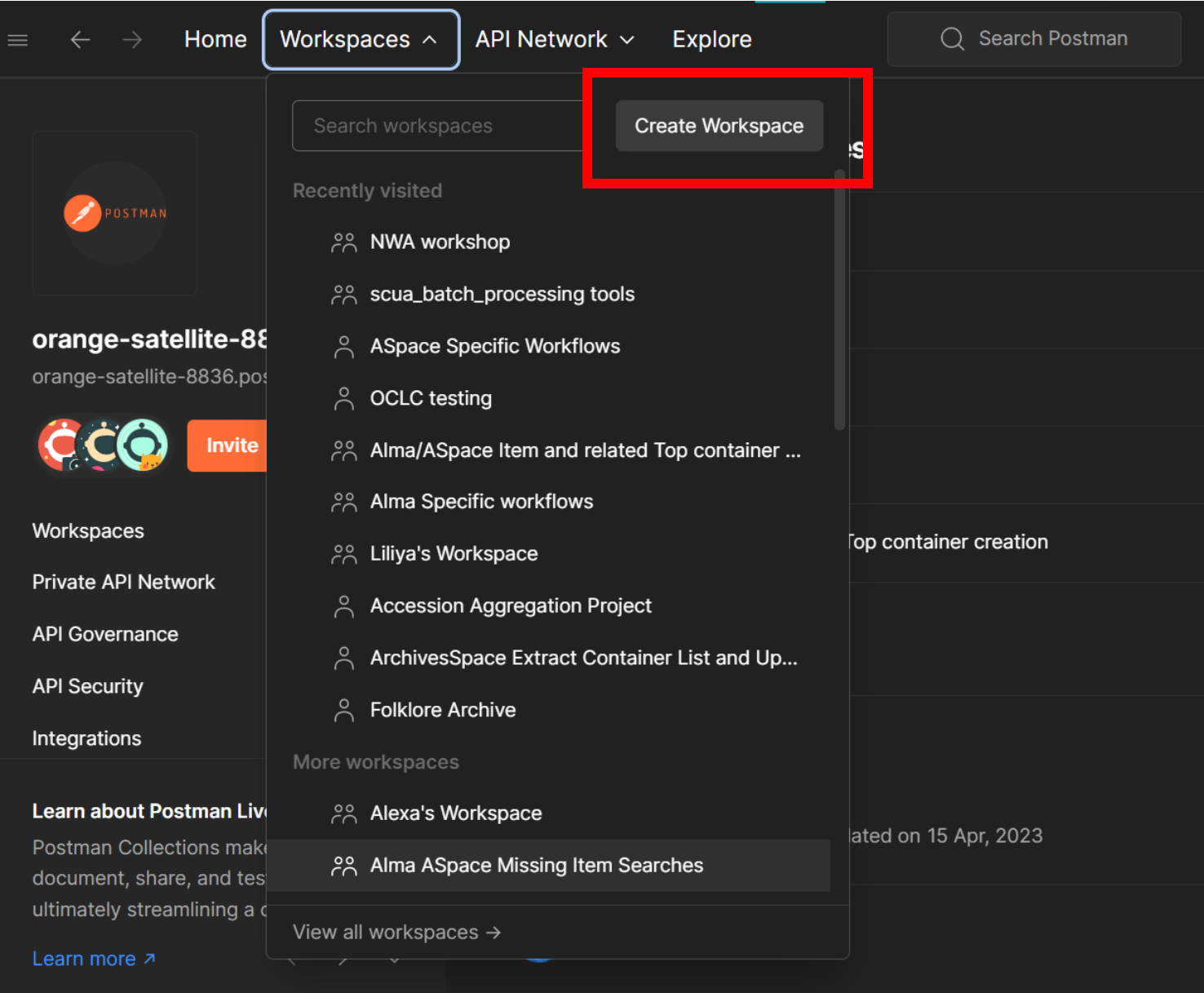
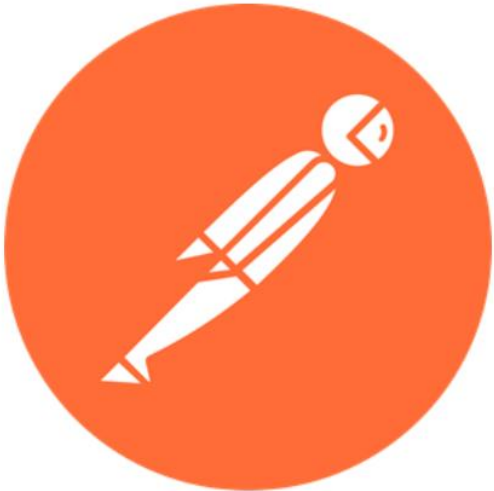


SETTING UP: DOWNLOAD AND UNZIP THE GITHUB FILES



**PUT IT
SOMEWHERE
YOU CAN
FIND IT
AGAIN**

SETTING UP: OPEN POSTMAN AND CREATE A NEW WORKSPACE



SETTING UP: OPEN POSTMAN AND CREATE A NEW WORKSPACE

Create workspace

Name

My NWA Workspace

Summary

Add a brief summary about this workspace.

Visibility

Determines who can access this workspace.

☒

Personal

Only you can access

☐

Private

Only invited team members can access

☐

Team

All team members can access

☐

Partner

NEW

Only invited partners and team members can access

☐

Public

Everyone can view

Create Workspace

Cancel

My NWA Workspace

NewImport

Collections

APIs

Environments

Mock Servers

Monitors

History

My first collection

First folder inside collection

GET

POST

GET

Second folder inside collection

GET

GET

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create Collection

Overview

My NWA Workspace

Add a brief summary about this workspace

Add a description to explain all about this workspace

Activity

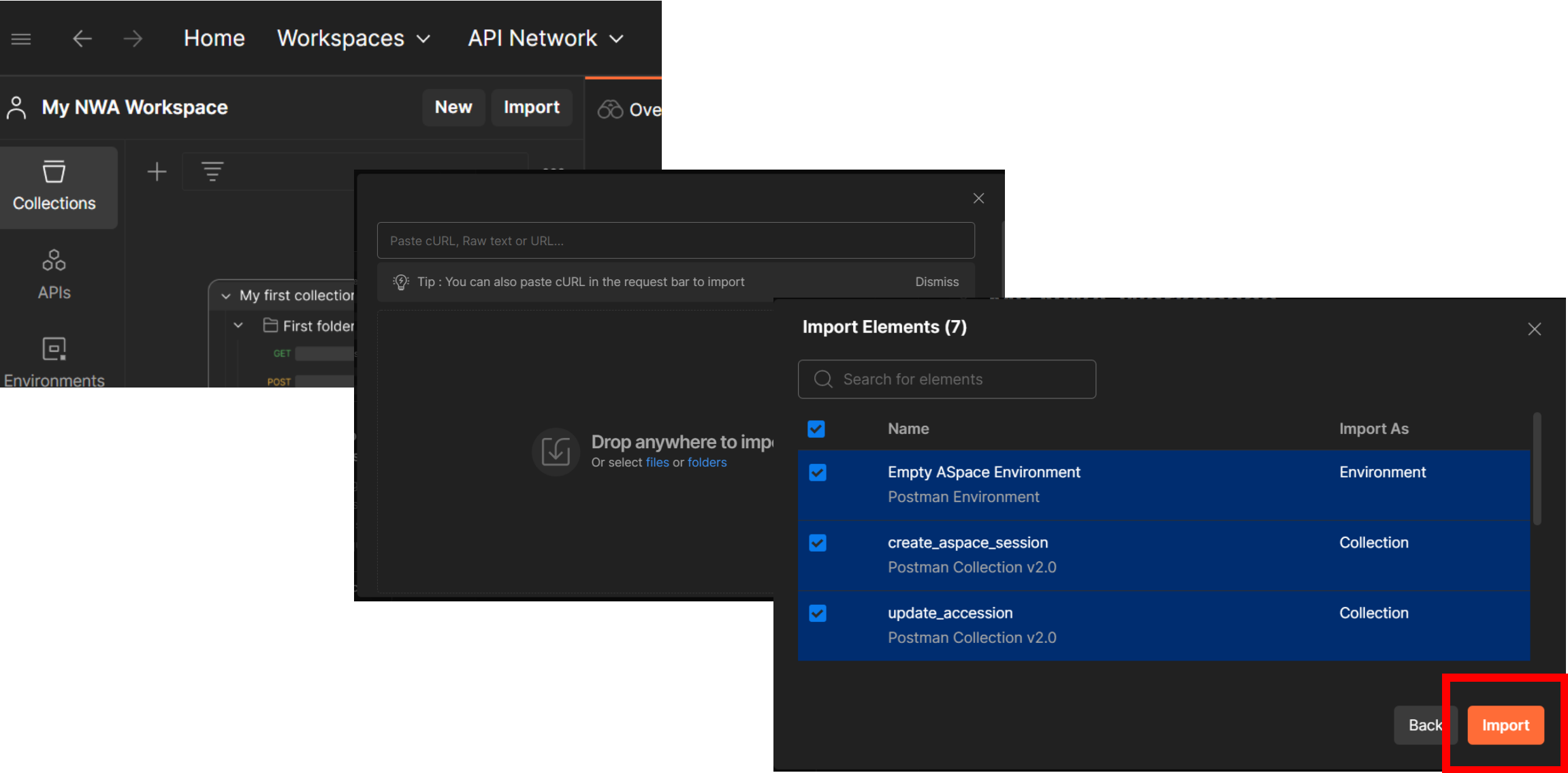
Today

Austin Munsell

created this personal workspace

just now

SETTING UP: IMPORT THE FILES INTO POSTMAN



SETTING UP: IMPORT THE FILES INTO POSTMAN

≡

←

→

Home

Workspaces ▾

API Network ▾

Explore

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Search Postman

👤

⚙️

🔔

👥 Team ▾

👤 My NWA Workspace

New

Import

🔗 Overview

📄 Import Elements

+

⋮

No Environment

🗑️ Collections

🔗 APIs

🖨️ Environments

📄 Mock Servers

📈 Monitors

🕒 History

+

☰

⋮

> create_aspace_session

> update_accession

> update_agent

> update_resource

> update_resource_note_field

> update_subject

Import complete

7 out of 7 elements were imported.

✅

Empty ASpace Environment · Postman Environment

✅

create_aspace_session · Postman Collection v2.0

✅

update_accession · Postman Collection v2.0

✅

update_agent · Postman Collection v2.0

✅

update_resource · Postman Collection v2.0

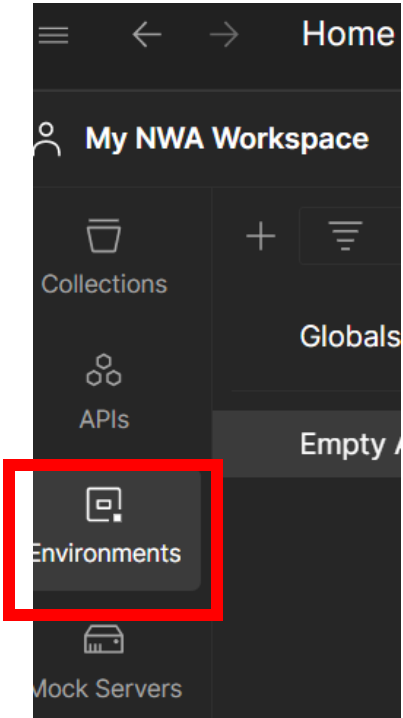
✅

update_resource_note_field · Postman Collection v2.0

✅

update_subject · Postman Collection v2.0

SETTING UP: ADD CREDENTIALS TO THE ENVIRONMENT



UPDATE THE CURRENT VALUE COLUMN

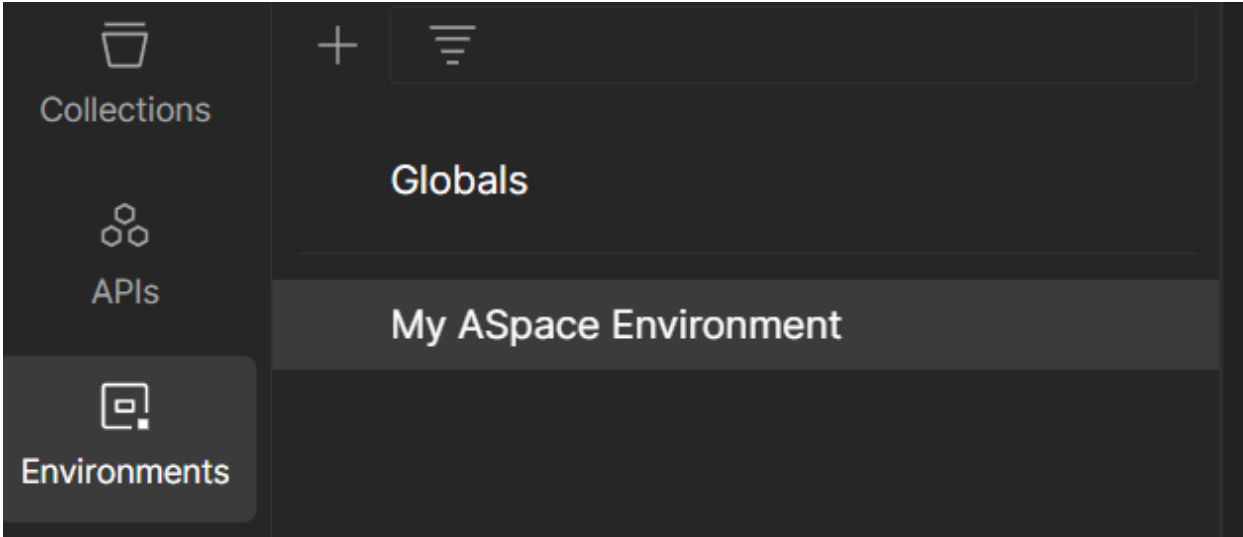
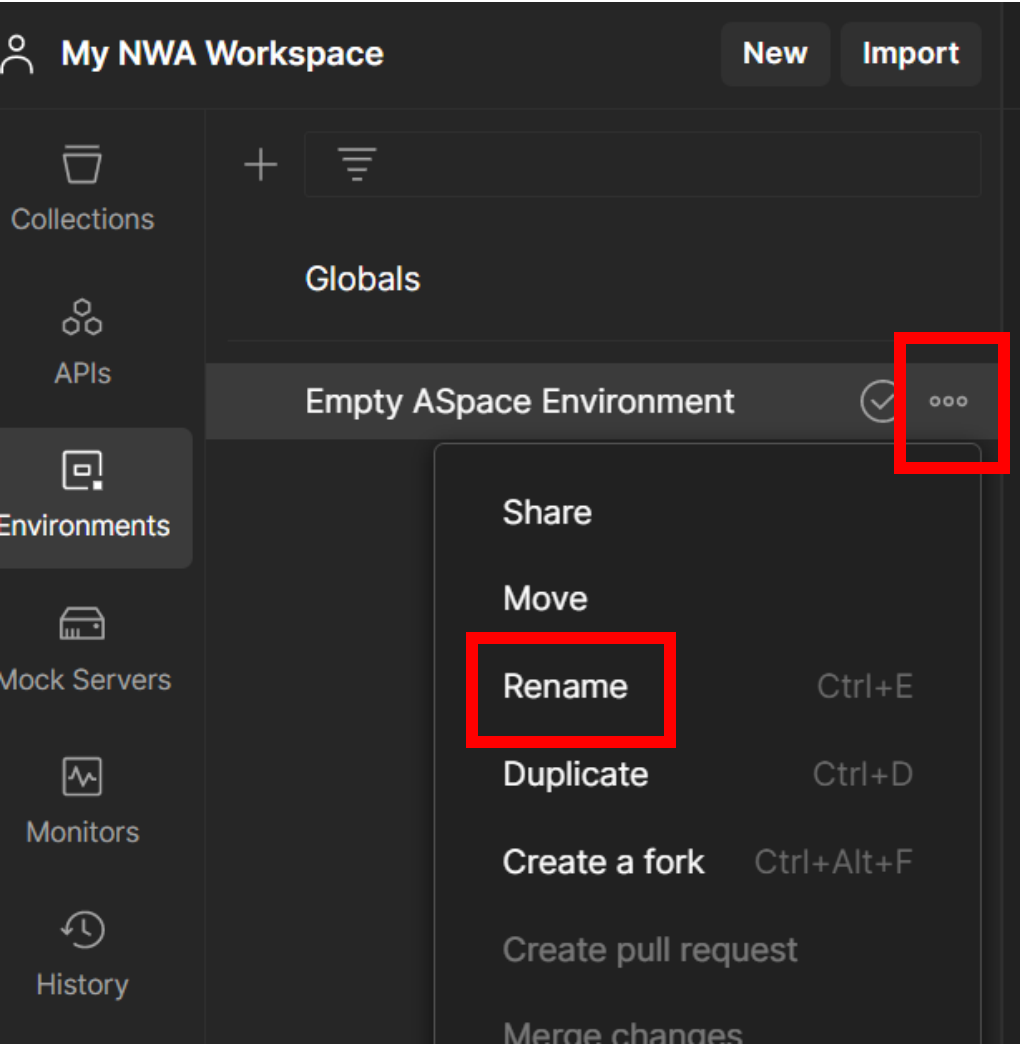
My ASpace Environment

Fork | 0 Save Share

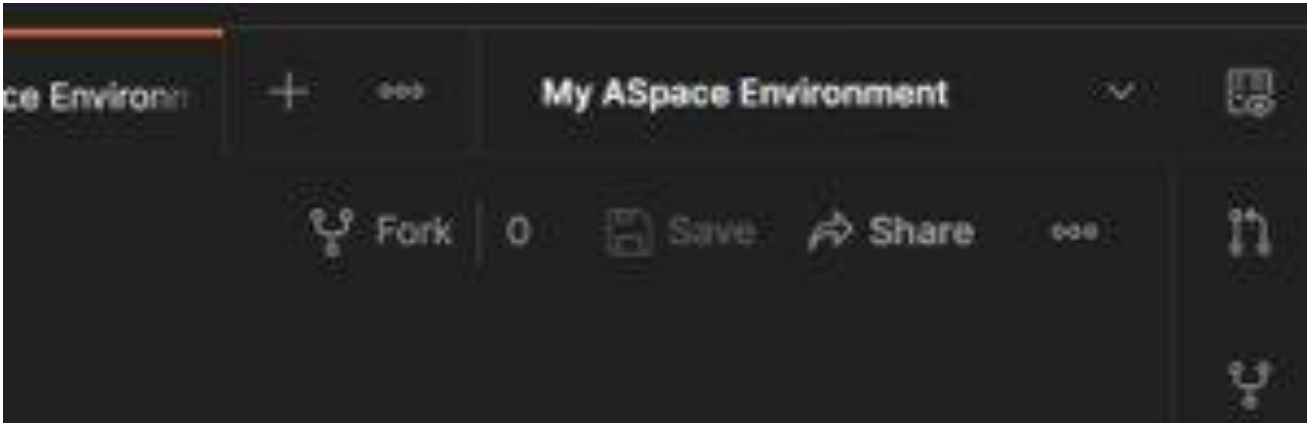
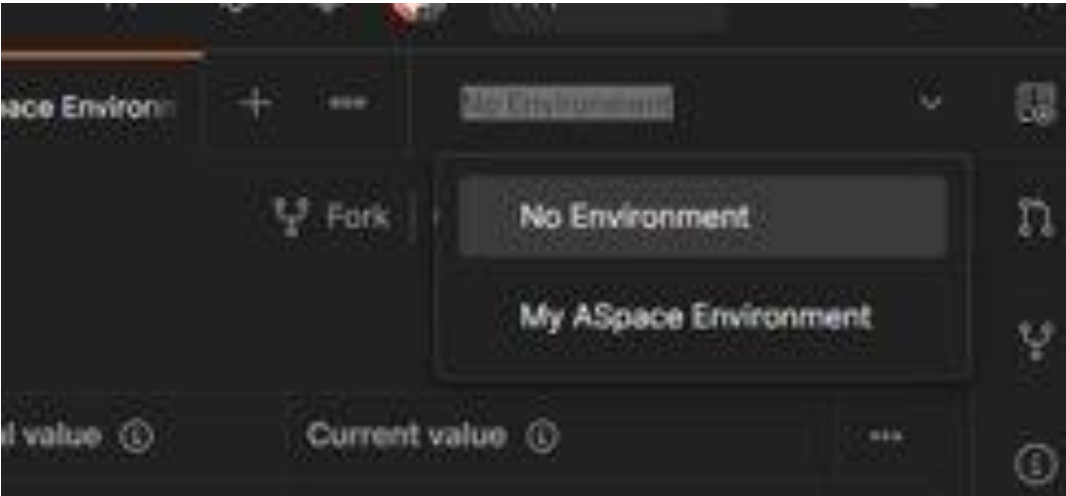
Filter variables

	Variable	Type	Initial value	Current value	...
<input checked="" type="checkbox"/>	aspace_password	secret	.....	.....
<input checked="" type="checkbox"/>	aspace_user	default	scuaapidemo	scuaapidemo	
<input checked="" type="checkbox"/>	aspace_base_url	default	https://archives.uore..	https://archives.uoregon.edu/api	
	Add new variable				

SETTING UP: RENAME THE ENVIRONMENT



SETTING UP: MAKE YOUR ENVIRONMENT ACTIVE



SETTING UP: RUN ASpace LOG IN TO SESSION TO SET YOUR SESSION

HomeWorkspaces ▾API Network ▾Explore

Search Postman

Team ▾

My NWA Workspace

NewImport

OverviewPOST ASpace log in to session+⋮My ASpace Environment ▾

Collections

create_aspace_session

POST ASpace log in to session

update_accession

update_agent

update_resource

update_resource_note_field

update_subject

create_aspace_session / ASpace log in to session

Save ▾⋮

Send ▾

POST ▾

{{aspace_base_url}}/users/{{aspace_user}}/login?password={{aspace_password}}

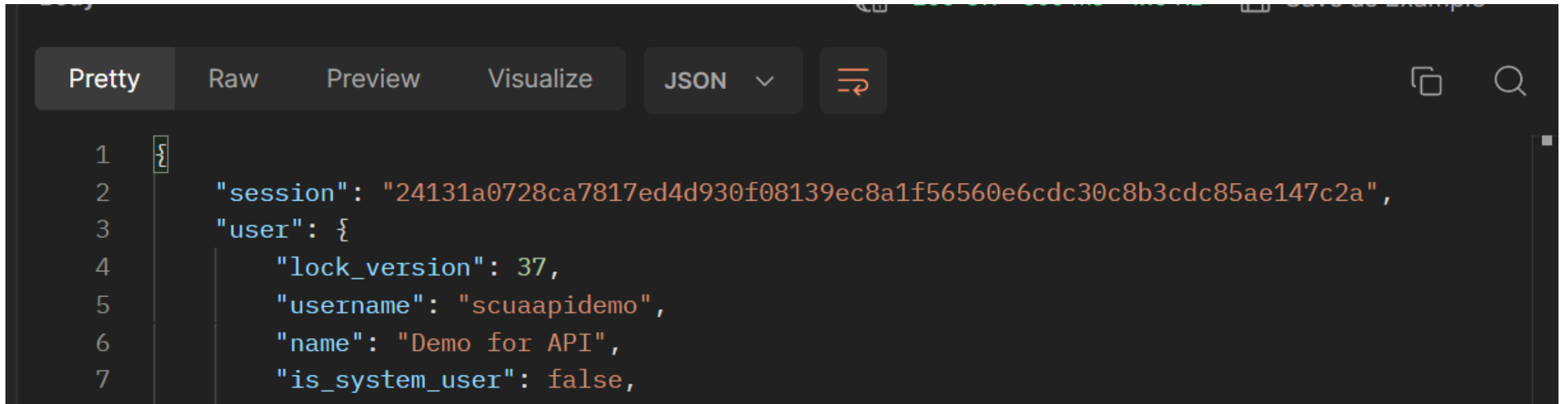
ParamsAuthHeaders (9)BodyPre-req.Tests ⬢Settings

Query Params

	Key	Value	Description	⋮	Bulk Edit
<input checked="" type="checkbox"/>	password	{{aspace_password}}			
	Key	Value	Description		

Response ▾

A GOOD RESPONSE RETURNS A "SESSION" THAT LOOKS LIKE THIS:


A screenshot of a code editor showing a JSON response. The editor has a dark theme and a top bar with tabs for 'Pretty', 'Raw', 'Preview', and 'Visualize'. The 'Pretty' tab is selected. The JSON is displayed with line numbers 1 through 7 on the left. The response is a JSON object with a 'session' string and a 'user' object containing 'lock_version', 'username', 'name', and 'is_system_user' fields.

```
1 {  
2   "session": "24131a0728ca7817ed4d930f08139ec8a1f56560e6cdc30c8b3cdc85ae147c2a",  
3   "user": {  
4     "lock_version": 37,  
5     "username": "scuaapidemo",  
6     "name": "Demo for API",  
7     "is_system_user": false,
```


The background of the slide features a light green topographic map with wavy contour lines. The lines are more densely packed on the right side of the slide, creating a sense of depth and texture.


PART 2: UPDATING A SINGLE RESOURCE

EDITING RESOURCES 1: EXPORT A CSV FROM ASPACE RESOURCE BROWSE

 Browse ▾ Create ▾

Search All Records





Home / Resources


☐ Show Components

Filtered By

Clear All

• Subject: Oregon ✕

Filter by text



Subject

• Correspondence 689

• Oregon 657

• Photographs 247

• Colleges and Universities 162

• Universities and colleges Oregon

Edit Default Values ▾

Download CSV

Resources

Showing 1 - 30 of 1746 Results, Sort by: Title Ascending ▾ and: Select ▾

<input type="checkbox"/>	Identifier	Finding Aid Status	Title ▾	Resource Type	Published	EAD ID
<input type="checkbox"/>	Coll 604	Complete description	19th century account book	Collection	True	ORU_Coll604.xml
<input type="checkbox"/>	A 225	Complete description	Abbett (James T.) sermons	Papers	True	ORU_A225.xml
<input type="checkbox"/>	SFM 242	Complete description	Abell (Ron) Memoir on Wayne Morse 1968 Re-election Campaign for U.S. Senate	Papers	True	ORU_SFM242.

EDITING RESOURCES 1: OPEN SEARCH_RESOURCES IN UPDATE_RESOURCE

My NWA Workspace

NewImport

Collections

APIs

Environments

Mock Servers

Monitors

History

update_resource

GET search_resources

GET resource_record

GET update_to_resource

create_aspace_session

update_accession

update_agent

update_resource_note_field

update_subject

GET search_resources

update_resource / search_resources

GET

{{aspace_base_url}}/repositories/2/search?q={{search_term}}&page=1&page_size=...

Send

ParamsAuthHeaders (8)BodyPre-req.TestsSettingsCookies

☒

page

1

☒

page_size

2

☒

type[]

resource

Key

Value

Description

Response

EDITING RESOURCES 1: SET A TESTING VARIABLES IN THE PRE-REQUEST

Params ● Auth Headers (8) Body **Pre-req. ●** Tests ● Settings

```
3 //Spreadsheet search variable block:
4 //var i = pm.iterationData.get("identifier")
5 //var t = pm.iterationData.get("title")
6 //var e = pm.iterationData.get("ead_id")
7
8 //Testing search variable block:
9 var i = "Coll 604"
10 var t = "19th century account book"
11 var e = "ORU_Coll604.xml"
12
13 //This logs to the console so you can see the search
   string passed:
14 console.log ("@@@" + i + " " + t + " " + e)
15
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. Learn more about [pre-request scripts](#) ↗

Snippets

[Get an environment variable](#)

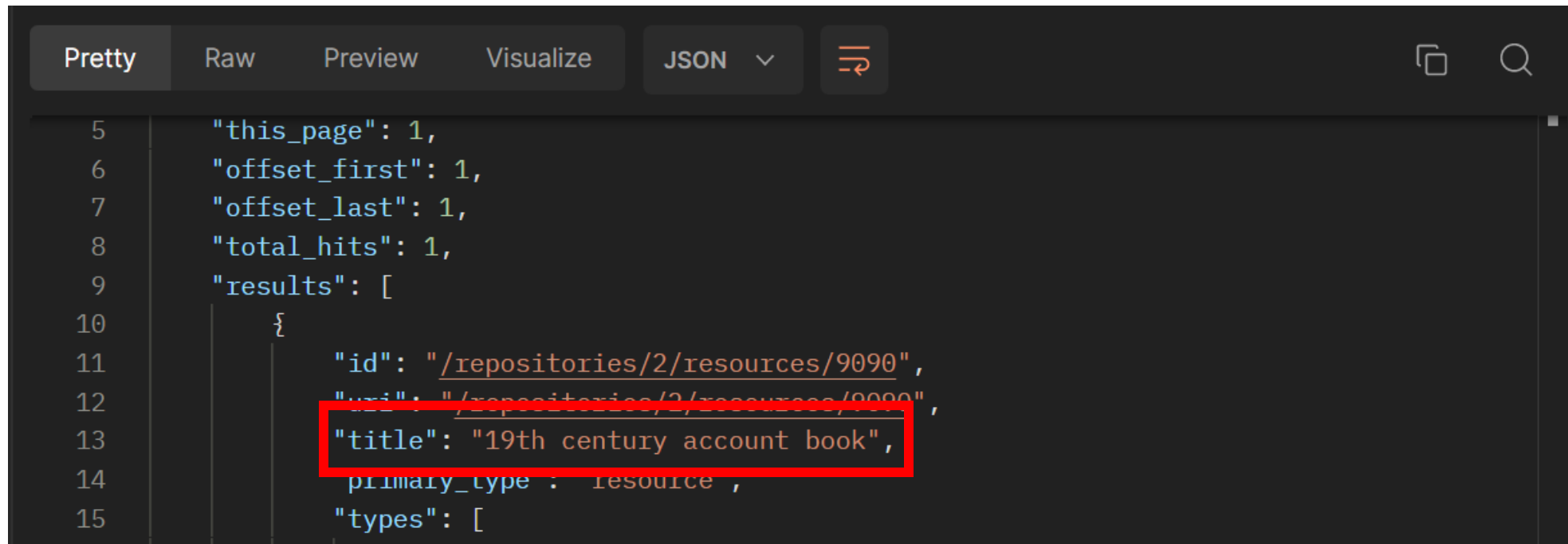
[Get a global variable](#)

[Get a variable](#)

[Get a collection variable](#)

[Set an environment variable](#)

A GOOD RESPONSE SHOULD SHOW THE TITLE FROM YOUR SEARCH SOMEWHERE NEAR THE TOP OF THE RESULT:



```
5  "this_page": 1,  
6  "offset_first": 1,  
7  "offset_last": 1,  
8  "total_hits": 1,  
9  "results": [  
10   {  
11     "id": "/repositories/2/resources/9090",  
12     "uri": "/repositories/2/resources/9090",  
13     "title": "19th century account book",  
14     "primary_type": "resource",  
15     "types": [  

```

The screenshot shows a JSON viewer interface with tabs for 'Pretty', 'Raw', 'Preview', and 'Visualize'. The 'Pretty' tab is selected. The JSON content is displayed with line numbers on the left. A red rectangle highlights the 'title' field in the first result object, which contains the text '19th century account book'.

A GOOD RESPONSE IS THE RESOURCE RECORD AS JSON:

The screenshot shows a REST client interface with a sidebar on the left containing a list of endpoints under the 'update_resource' folder. The main panel displays the details of a GET request to the endpoint `{{aspace_base_url}}{{resource_uri}}`. The response status is 200 OK, with a response time of 361 ms and a body size of 8.38 KB. The response body is shown in JSON format, which is highlighted by a red rectangle. The JSON data represents a resource record with various fields including lock_version, title, publish status, restrictions, ead_id, ead_location, and finding_aid_title.

update_resource / resource_record

GET `{{aspace_base_url}}{{resource_uri}}` Send

Params Auth Headers (8) Body Pre-req. Tests Settings Cookies

Key	Value	Description
Key	Value	Description

Body 200 OK 361 ms 8.38 KB Save as Example

Pretty Raw Preview Visualize JSON

```
1 {
2   "lock_version": 24,
3   "title": "19th century account book",
4   "publish": true,
5   "restrictions": false,
6   "ead_id": "ORU_Coll604.xml",
7   "ead_location": "http://archiveswest.orbiscascade.org/ark:/80444/xv787383",
8   "finding_aid_title": "Guide to 19th century account book",
```

EDITING RESOURCES 1: OPEN GET UPDATE_TO_RESOURCE; CHECK PRE-REQUEST

The screenshot shows a REST client interface with a sidebar on the left containing a collection named 'update_resource' with a star icon. Under this collection, several endpoints are listed, including 'GET search_resources', 'GET resource_record', 'GET update_to_resource' (which is selected), 'create_aspace_session', 'update_accession', 'update_agent', 'update_resource_note_field', and 'update_subject'. The main panel displays the details for the 'GET update_to_resource' endpoint, showing the URL as '{{aspace_base_url}}{{resource_uri}}'. Below the URL bar, there are tabs for 'Params', 'Auth', 'Headers (10)', 'Body', and 'Pre-req.', with the 'Pre-req.' tab currently active. The pre-request script is written in JavaScript and includes several comments and a variable declaration. A red rectangular box highlights the line `var n = "SOMETHING ELSE"` on line 10 of the script.

```
1 line).
2
3
4
5
6 //Spreadsheet variable:
7 //var n = pm.iterationData.get("new
8
9 //Testing variable:
10 var n = "SOMETHING ELSE"
11
12 //This gets the repository processing n
```

**var n = the
thing that
will be
appended**

EDITING RESOURCES 1: RUN GET UPDATE_TO_RESOURCE AND CHECK CONSOLE

My NWA Workspace

NewImport

Collections

APIs

Environments

update_resource

GET search_resources

GET resource_record

GET update_to_resource

create_aspace_session

update_accession

update_agent

update_resource_note_field

update_resource / update_to_resource

GET{{aspace_base_url}}{{resource_uri}}

ParamsAuthHeaders (10)BodyPre-req. TestsSettings

```
22 }
23 //If the repo note is not empty, n is appended to
    the end, preceded by a space.
24 else {
```

Body

200 OK308 ms8.38 KB

Save as Example

OnlineFind and ReplaceConsole

All LogsClear

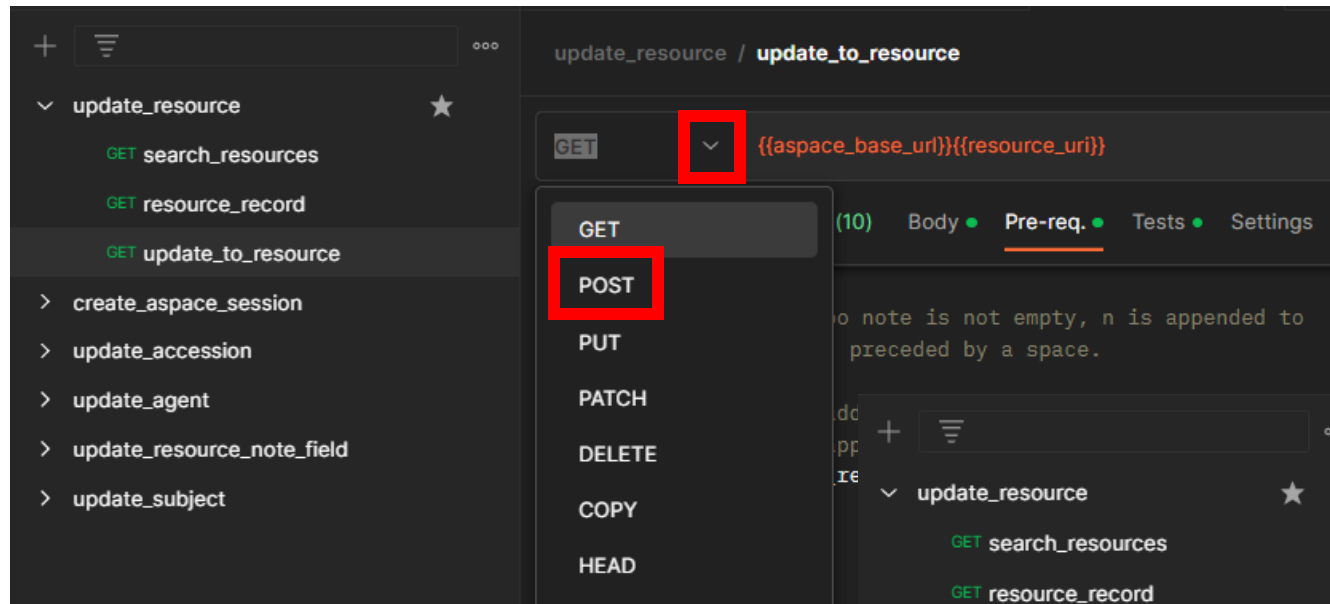
@@@EXISTING NOTE TEXT: undefined

@@@UPDATED NOTE TEXT: SOMETHING ELSE

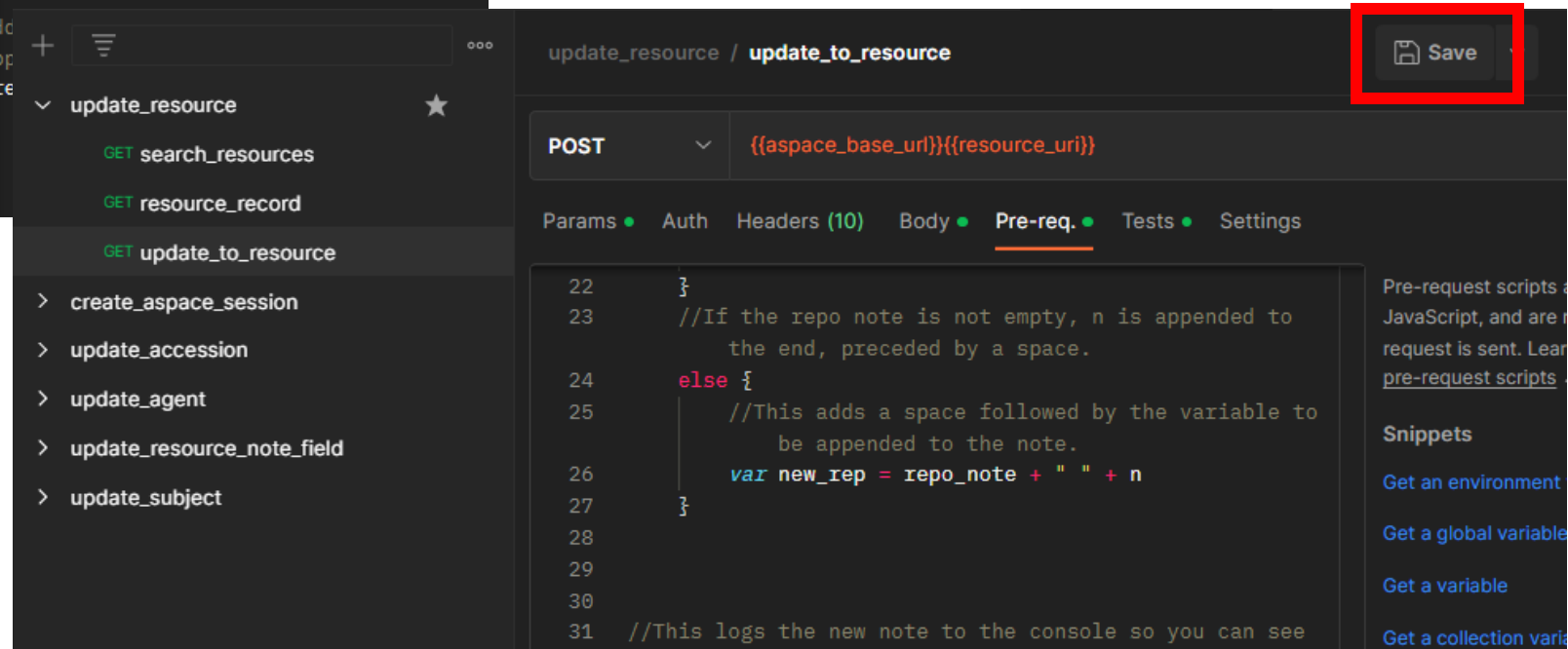
▶ GET https://archives.uoregon.edu/api/repositories/2/resources/9090200308

@@@@/repositories/2/resources/9090 undefined

EDITING RESOURCES 1: CHANGE GET TO POST IN UPDATE_TO_RESOURCE



**DON'T FORGET
TO SAVE**



EDITING RESOURCES 1: RUN POST UPDATE_TO_RESOURCE

A GOOD RESPONSE IS 200 OK AND STATUS: "UPDATED"

The screenshot displays a REST client interface with a sidebar on the left listing various endpoints. The main panel shows a POST request to `update_resource / update_to_resource` with a URL template `{{aspace_base_url}}{{resource_uri}}`. The 'Pre-request Script' tab is active, showing a JavaScript snippet that appends a note to the end of a repository URI. Below this, the 'Body' tab is selected, displaying a JSON response. The response status is '200 OK' (highlighted with a red box), and the response body (also highlighted with a red box) contains the following JSON:

```
1 {
2   "status": "Updated",
3   "id": 9090,
4   "lock_version": 25,
5   "stale": true,
6   "uri": "/repositories/2/resources/9090",
7   "warnings": []
8 }
```

EDITING RESOURCES 1: CHECK ASpace TO REVIEW YOUR RESULT

Edit

Add Event ▼Publish AllUnpublish AllView

19th century account bookResource

Basic Information

Title	19th century account book
Identifier	Coll 604
Level of Description	Collection
Resource Type	Collection
Publish?	True
Restrictions Apply?	False
Repository	SOMETHING ELSE
Processing Note	

The background of the slide features a light green topographic map with wavy contour lines. The lines are more densely packed on the right side of the image, creating a sense of depth and texture.

PART 3: UPDATING A BATCH OF RESOURCES

EDITING RESOURCES 2: ADD A NEW COLUMN TO YOUR CSV

```
line).
5
6 //Spreadsheet variable:
7 var n = pm.iterationData.get("new_thing")
8
```

	A	B	C	D	E	F	G
1	identifier	finding_ai	title	resource_	publish	ead_id	new_thing
2	Coll 604	Complete	19th centu	collection	TRUE	ORU_Coll60	ONE THING
3	A 225	Complete	Abbett (Ja	papers	TRUE	ORU_A225.)	TWO THING
4	SFM 242	Complete	Abell (Ror	papers	TRUE	ORU_SFM24	THREE THING
5							
6							

EDITING RESOURCES 2: COMMENT OUT TEST VARIABLES AND UNCOMMENT OTHERS

GET `{{aspace_base_url}}/repositories/2/search?q= {{search_term}} &page=1&page_size ...`

Params ● Auth Headers (8) Body Pre-req. ● Tests ● Settings

of the line) and uncomment the Spreadsheet search variable block (remove "//" at the beginning of the line)

```
2
3 //Spreadsheet search variable block:
4 var i = pm.iterationData.get("identifier")
5 var t = pm.iterationData.get("title")
6 var e = pm.iterationData.get("ead_id")
7
8 //Testing search variable block:
9 //var i = "Coll 604"
10 //var t = "19th century account book"
11 //var e = "ORU_Coll604.xml"
12
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. Learn more about [pre-request scripts](#)

POST `{{aspace_base_url}}{{resource_uri}}`

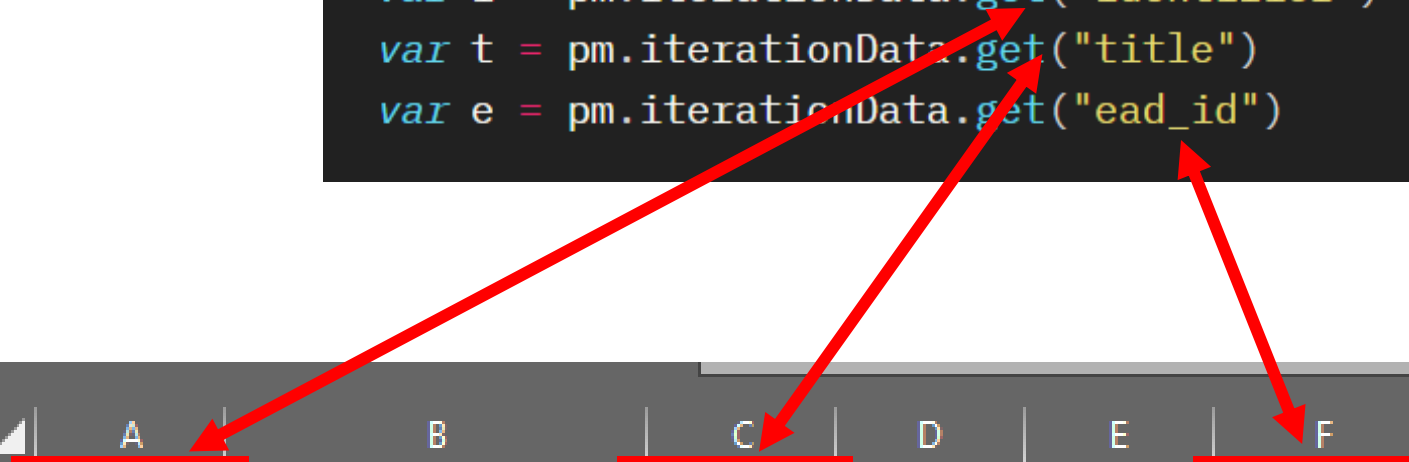
Params ● Auth Headers (10) Body ● Pre-req. ● Tests ● Settings

```
5
6 //Spreadsheet variable:
7 var n = pm.iterationData.get("new_thing")
8
9 //Testing variable:
10 //var n = "SOMETHING ELSE"
11
12 //This gets the repository processing note from the
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. Learn more about [pre-request scripts](#)

pm.iterationData.get GETS COLUMNS FROM YOUR CSV BY COLUMN HEADING

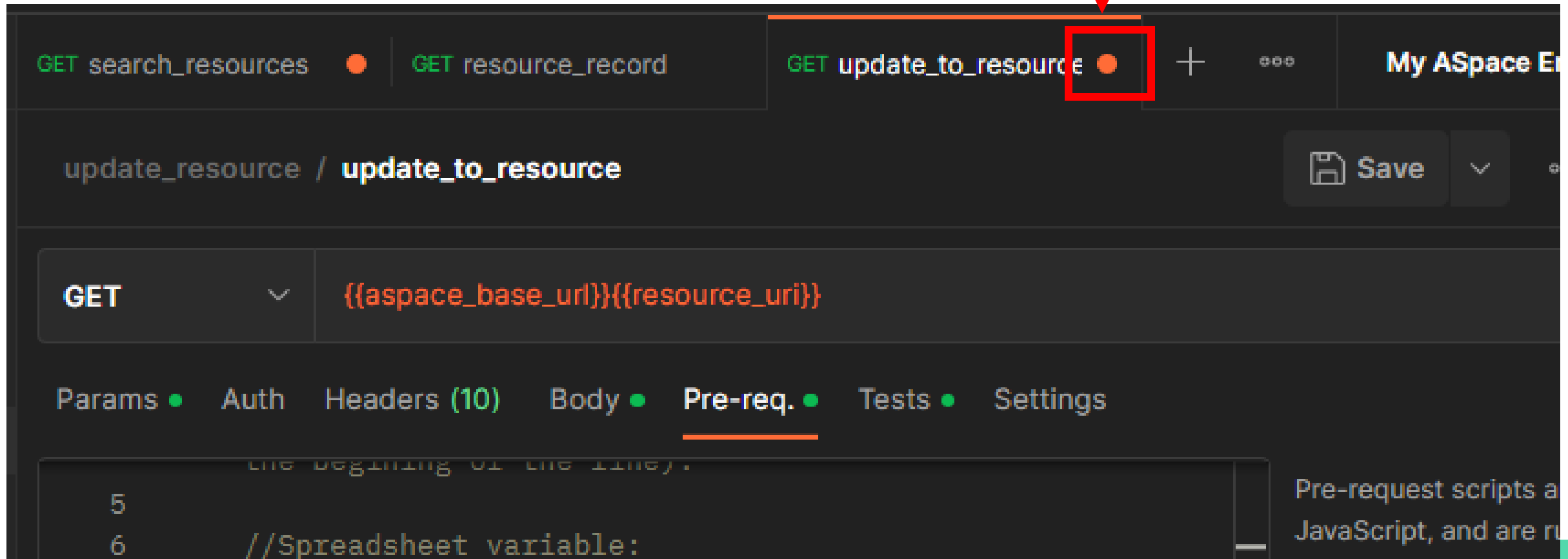
```
//Spreadsheet search variable block:  
var i = pm.iterationData.get("identifier")  
var t = pm.iterationData.get("title")  
var e = pm.iterationData.get("ead_id")
```



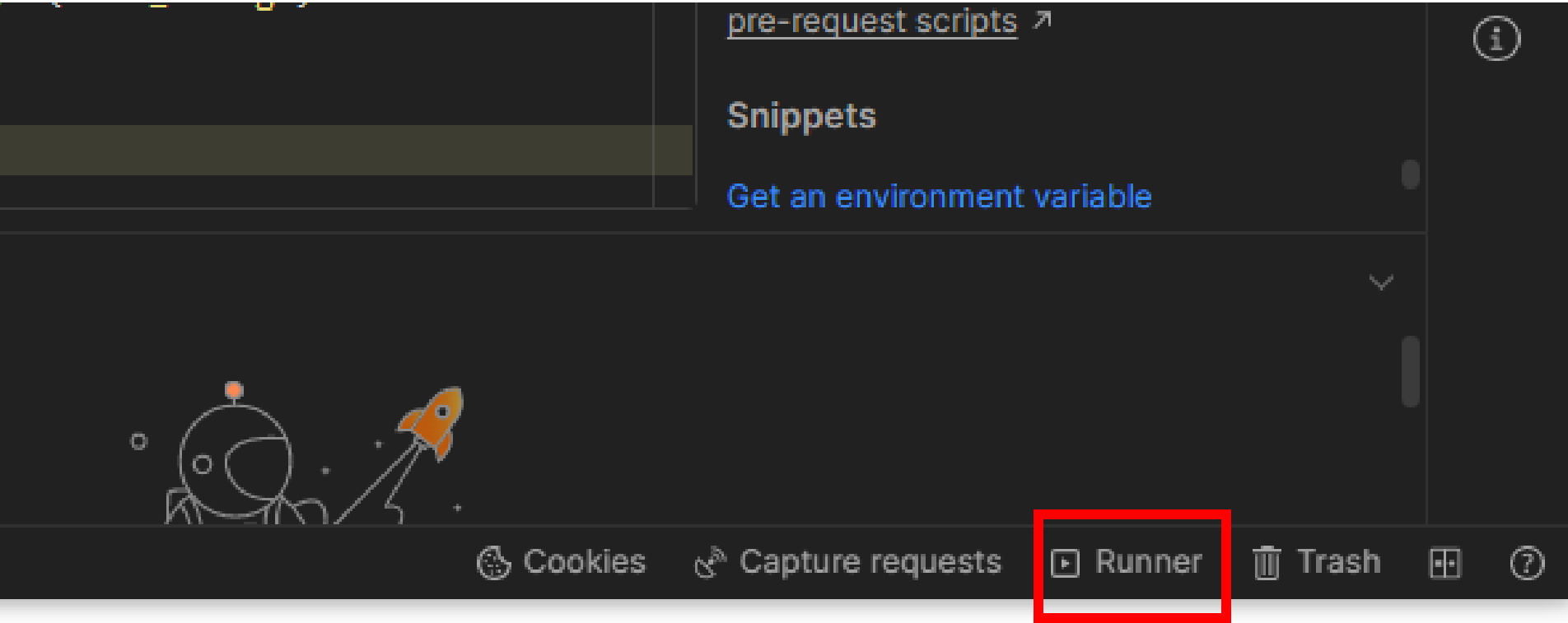
	A	B	C	D	E	F	G	H
1	identifier	finding_aid_status	title	resource_	publish	ead_id	new_thing	
2	Coll 604	Complete description	19th centu	collection	TRUE	ORU_Coll60	ONE THING	

EDITING RESOURCES 2: CHANGE ALL REQUESTS TO GET AND SAVE FOR TEST RUN

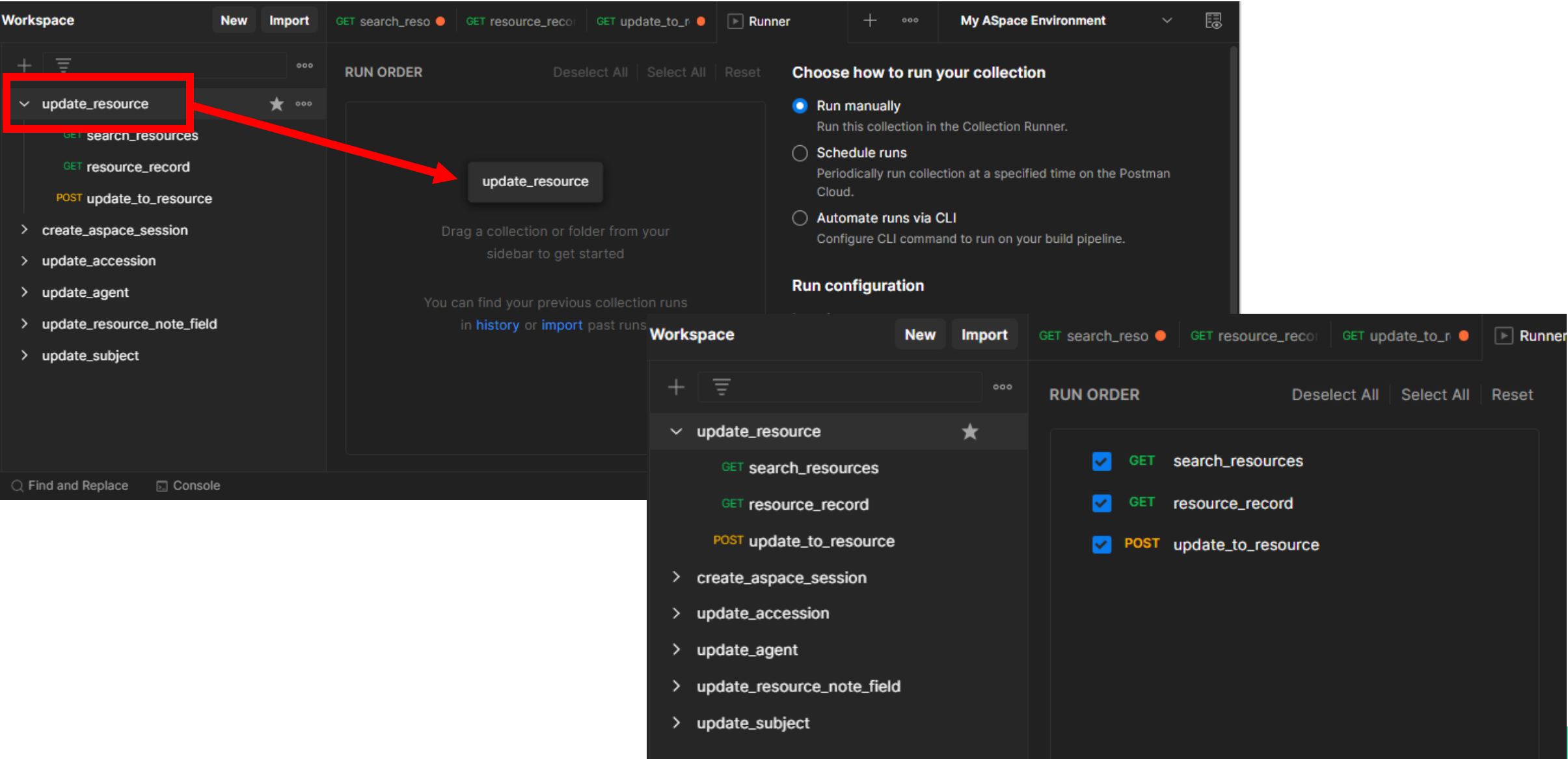
IN POSTMAN, A LITTLE **ORANGE CIRCLE**
MEANS NOT SAVED



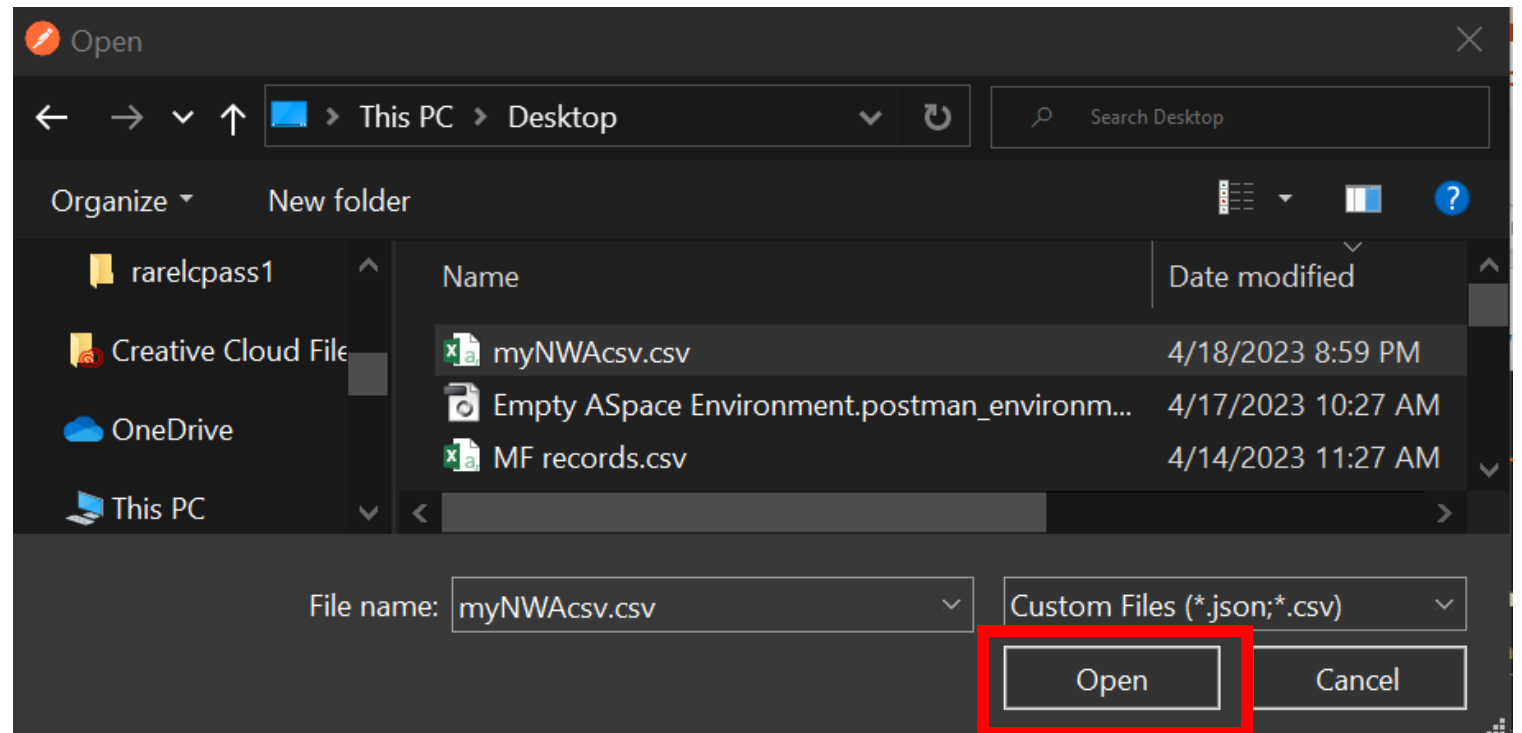
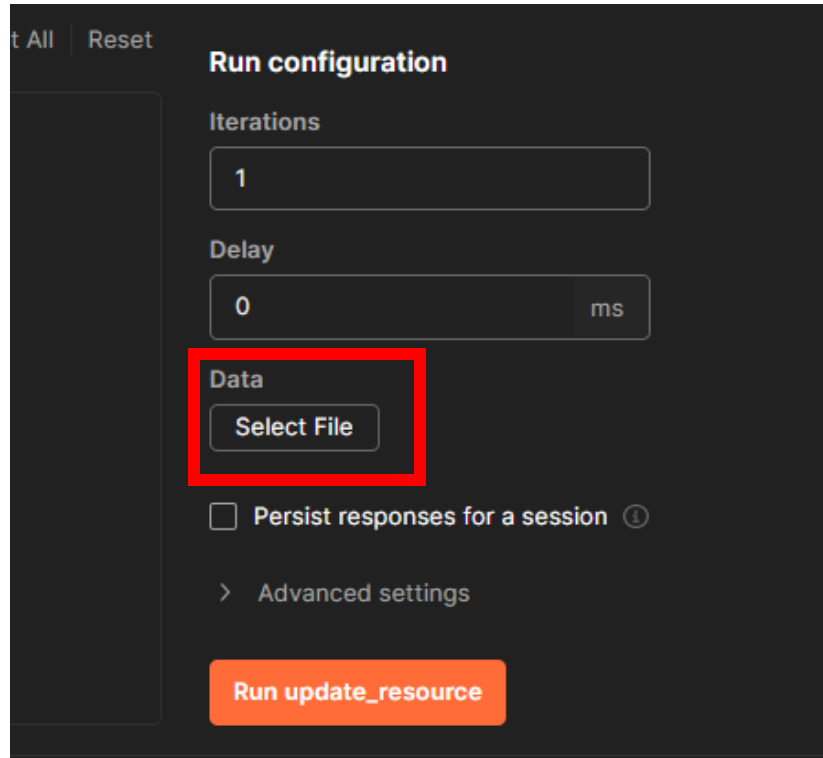
EDITING RESOURCES 2: OPEN THE RUNNER



EDITING RESOURCES 2: DRAG AND DROP THE COLLECTION INTO THE RUNNER



EDITING RESOURCES 2: SELECT YOUR CSV AS THE DATA FILE



EDITING RESOURCES 2: PREVIEW YOUR DATA TO MAKE SURE IT LOOKS RIGHT

0ms

Data

Select FilemyNWAcsv.csv X

Data File Type

text/csv

Preview

☐ Persist responses for a session ⓘ

PREVIEW DATA

	resource_type	publish	ead_id	new_thing
count bo	"collection"	"TRUE"	"ORU_Coll604.xml"	"ONE THING"
T.) sermo	"papers"	"TRUE"	"ORU_A225.xml"	"TWO THING"
noir on W B Re-elect for U.S. S	"papers"	"TRUE"	"ORU_SFM242.xml"	"THREE THING"

EDITING RESOURCES 2: MAKE 1 TEST RUN BY CHANGING ITERATIONS TO 1

NOTE: FREE ACCOUNTS MAY HAVE A LIMITED NUMBER OF RUNS PER MONTH

The screenshot shows the Postman interface for running a collection. On the left, under 'RUN ORDER', three requests are listed: 'GET search_resources', 'GET resource_record', and 'POST update_to_resource', all with checkboxes selected. On the right, the 'Choose how to run your collection' panel is visible, with 'Run manually' selected. Below this, the 'Run configuration' panel is shown, where the 'Iterations' field is set to 1. The 'Delay' field is set to 0 ms. The 'Data' section shows a file named 'myNWAcsv.csv' selected. The 'Data File Type' is set to 'text/csv'. The 'Persist responses for a session' checkbox is unchecked. At the bottom, the 'Run update_resource' button is highlighted.

Run configuration

Iterations: 1

Delay: 0 ms

Data: Select File myNWAcsv.csv

Data File Type: text/csv

Persist responses for a session

Advanced settings

Run update_resource

EDITING RESOURCES 2: CHECK THE RUN RESULTS

update_resource - Run results Run Again Automate Run + New Run Export Results

Run on Today, 16:00:46 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	My ASpace Environment	1	1s 794ms	1	376 ms

All Tests Passed (1) Failed (0) Skipped (0) [View Summary](#)

Iteration 1

GET search_resources
https://archives.uoregon.edu/api/repositories/2/search?q=Coll 604 19th century account book ORU_Coll604.xml&page=1&page_size=2&type[]=resource 200 OK 152 ms 34.628 KB

No tests found

GET resource_record
https://archives.uoregon.edu/api/repositories/2/resources/9090 200 OK 143 ms 8.677 KB

No tests found

POST update_to_resource
https://archives.uoregon.edu/api/repositories/2/resources/9090 200 OK 833 ms 443 B

PASS Status code is 200

"STATUS CODE IS 200" IS A GOOD
RESULT

EDITING RESOURCES 2: CHECK THE RESULTS IN THE POSTMAN CONSOLE

```
▼ POST https://archives.uoregon.edu/api/repositories/2/resources/9090
  ► Network
  ▼ Request Headers
    X-ArchivesSpace-Session: "619ac900379bbcc6ba3a9e3ad8b3701e5aaec9fd4292f191772f3e5372e9f5b8"
    Content-Type: "application/json"
    User-Agent: "PostmanRuntime/7.32.2"
    Accept: "*/*"
    Cache-Control: "no-cache"
    Postman-Token: "65c595b4-9761-4498-9641-0d411d3b4fc8"
    Host: "archives.uoregon.edu"
    Accept-Encoding: "gzip, deflate, br"
    Connection: "keep-alive"
    Content-Length: "8309"
  ► Request Body ↗
  ▼ Response Headers
    Server: "nginx"
    Date: "Wed, 19 Apr 2023 23:00:47 GMT"
    Content-Type: "application/json"
    Content-Length: "115"
    Connection: "keep-alive"
    Cache-Control: "private, must-revalidate, max-age=0"
    X-Content-Type-Options: "nosniff"
    X-Frame-Options: "SAMEORIGIN"
    X-Content-Type-Options: "nosniff"
    X-XSS-Protection: "1; mode=block"
  ▼ Response Body ↗
    {"status":"Updated","id":9090,"lock_version":26,"stale":true,"uri":"/repositories/2/resources/9090","warnings":[]}
  @@@@/repositories/2/resources/9090 updated
```

EDITING RESOURCES 2: CHECK ARCHIVESSPACE TO SEE IF YOUR CHANGE WORKED

19th century account book

Resource

Basic Information

Title	19th century account book
Identifier	Coll 604
Level of Description	Collection
Resource Type	Collection
Publish?	True
Restrictions Apply?	False
Repository Processing Note	"SOMETHING ELSE" ONE THING

EDITING RESOURCES 2: RUN THE FULL SPREADSHEET

update_resource - Run results

Run AgainAutomate Run+ New RunExport Results

Run on Today, 16:07:52 · View all runs

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	My ASpace Environment	3	3s 315ms	3	258 ms

All Tests

Passed (3)Failed (0)Skipped (0)

View Summary

Iteration 2

GET search_resources

https://archives.uoregon.edu/api/repositories/2/search?q=A 225 Abbett (James T.) sermons ORU_A225.xml&page=1&page_size=2&type[]=resource

200 OK 96 ms 41.962 KB

No tests found

GET resource_record

https://archives.uoregon.edu/api/repositories/2/resources/251

200 OK 99 ms 10.103 KB

No tests found

POST update_to_resource

https://archives.uoregon.edu/api/repositories/2/resources/251

200 OK 578 ms 441 B

PASS Status code is 200

Iteration 3

GET search_resources

https://archives.uoregon.edu/api/repositories/2/search?q=SFM 242 Abell (Ron) Memoir on Wayne Morse 1968 Re-election Cammpaign for U.S. Senate ORU_SFM242.xml&page=1&page_size=2&type[]=...

200 OK 109 ms 71.962 KB

No tests found

GET resource_record

https://archives.uoregon.edu/api/repositories/2/resources/2614

200 OK 103 ms 10.829 KB

No tests found

POST update_to_resource

https://archives.uoregon.edu/api/repositories/2/resources/2614

200 OK 618 ms 443 B

PASS Status code is 200

69

The background of the slide features a light green topographic map with wavy contour lines. The lines are more densely packed on the right side of the image, creating a sense of depth and texture.

THE END